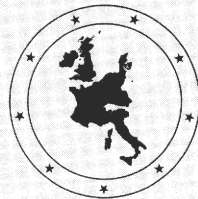


COMMISSION OF THE EUROPEAN COMMUNITIES

energy

**PERMANENT DIRECTORY
OF
ENERGY INFORMATION SOURCES IN THE
EUROPEAN COMMUNITY**



1977 edition

EUR 5425 e

COMMISSION OF THE EUROPEAN COMMUNITIES

e n e r g y

**PERMANENT DIRECTORY
OF
ENERGY INFORMATION SOURCES IN THE
EUROPEAN COMMUNITY**

by

F. BLAMOUTIER, M. MAURICE, C. MILELLI

Prepared by a group of national experts
of the Committee for Information and Documentation in
Science and Technology (CIDST) on Energy Documentation

With the help of the "Réseau d'Information
sur l'Économie de l'Énergie"

**Directorate-General "Scientific and Technical
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1977

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M. MAURICE
*Secretary of the
CIDST "Energy Documentation" Group*

EXPLANATION CONCERNING THE AVAILABILITY OF DOCUMENTS OR SERVICES MENTIONED

A detailed explanation of conditions governing the availability of documents or services from each organisation entered in this directory is not possible.

The terms used are only intended to give to the user a rough idea of the availability.

For documents (primary literature)

AVAILABLE : documents or copies can be obtained on request.

NOT AVAILABLE : large dissemination of this literature is not foreseen, the documents produced are reserved for particular groups : staff members, subscribers, members of an association.

For documentation services

NOT RESTRICTED : services are available on request.

RESTRICTED : services are reserved for members of particular groups.

NO ACCESS : private services for internal use only.

ALPHABETICAL LIST OF COMMUNITY SOURCES BY COUNTRIES AND INTERNATIONAL ORGANISATION SOURCES

BELGIUM

Trade and professional organisation

0001

ASSOCIATION DES CENTRALES ELECTRIQUES INDUSTRIELLES DE BELGIQUE (ACEIB)
Rue Joseph II, 36, B 1040 BRUXELLES, Belgium .

Aims: Defence and promotion of industrial electricity producers. Documentation for the members. (Orientation: technological, economic, legal.)

NAME: Monsieur Adelain THONON, Directeur; tel.(02) 217.12.83-(02) 217.20.85.

Primary Information:

- Periodicals, Reports.
- Revue Energie, freq. 4, available.
- Rapport annuel, freq. 1, available.

Documentation:

- Bibliographies, restricted.
- Consultant services, restricted.

Trade and professional organisation

0002

ASSOCIATION DES INGENIEURS ELECTRICIENS SORTIS DE L'INSTITUT ELECTROTECHNIQUE MONTEFIORE (A.I.M.)
Rue St-Gilles, 31, B 4000 LIEGE, Belgium .

Aims: Study, protection and development of the professional interests of its members. Progress and improvement of the various uses of energy. (Orientation: scientific, technological.)

NAME: Monsieur Lucien CRAISSE, Secrétaire Administratif; tel.(041) 32.29.46.

Primary Information:

- Periodicals, Conference proceedings.
- Bulletin scientifique de l'Association des Ingénieurs Electriciens sortis de l'Institut Electrotechnique Montefiore, freq. 4, available.

Documentation:

- Library services, restricted.

Non-energy enterprise with strong interest in energy

0003

ASSOCIATION VINCOTTE
B 1640 RHODE-SAINT-GENESE, Belgium .

Aims: Promotion, assessment and verification of quality, security of equipments and the safety of persons, in the different industry sectors, more particularly nuclear industry and electric powerplants (thermal and hydraulic). (Orientation: scientific, technological.)

NAME: Monsieur Jean LAMBERT, Documentaliste; tel.(02) 358.35.80; tex.22550.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.

- Library services, not restricted.
- Information analysis and synthesis services, no access.

Trade and professional organisation

0004

ASSURANTIE VAN DE BELGISCHE BOERENBOND N.V
Minderbroedersstraat, 8, B 3000 LEUVEN, Belgium .

Aims: Insurances. (Orientation: economic, legal.)

NAME: Dhr Hubert CLAASSENS, Onderdirecteur; Postbus 91, B 3000 LEUVEN, Belgium; tel.(016) 22.09.71 ext 215; tex.26448.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Consultant services, restricted.

Financial institution

0005

BANQUE BRUXELLES LAMBERT

Service de Documentation Economique et Financière
Rue de la Régence, 2, B 1000 BRUXELLES, Belgium .

Aims: Collection and treatment of all kinds of documentation about the economic, financial, bank and industrial fields. (Orientation: economic.)

NAME: Monsieur Louis VERBOOMEN, Fondé de pouvoirs et responsable du service; tel.(02)513.69.20 ext 7654.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, no access.

Financial institution

0006

BANQUE DE PARIS ET DES PAYS-BAS

Boulevard Emile Jacqmain, 162-Boîte 2, B 1000 BRUXELLES, Belgium .

Aims: Bank activities. (Orientation: economic.)

NAME: Monsieur Jacques PIRENNE, Directeur du Service de Documentation; tel.(02) 219.30.10.

Primary Information:

- Periodicals, Bulletins, Others.
- Notes économiques, freq. 12, available.
- Etudes financières, available.
- Rapport annuel, freq. 1, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.

Information purveyor

0007

BUREAU D'ETUDES INDUSTRIELLES ET AGRONOMIQUES F. COURTOY (BEI-AGRER)

Rue des Colonies, 43, B 1000 BRUXELLES, Belgium .

Aims: Office of consulting engineer with an important activity in energy (building of hydraulic and thermal powerplants). (Orientation: technological.)

NAME: Mademoiselle Waltraud SAENEN, Bibliothécaire; tel.(02) 513.40.80; tex.24553.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Liste bibliographique de l'OCD, freq. 52
- Information analysis and synthesis services, restricted.

Research centre

0008

CENTRE D'ETUDES ET DE RECHERCHES GAZIERES (CERGA)

B 1640 RHODE-SAINT-GENESE, Belgium .

Aims: Study of problems about treatment, distribution and utilisation of gas; control of equipments, construction of prototypes of

machines and equipments; technical assistance to exploitation societies, industries by diffusion of information and documentation.
(Orientation: scientific, technological.)
NAME: Monsieur Paul-Robert HELMANN, Directeur; tel.(02) 358.35.27.

Primary Information:

- Periodicals, Books, Reports.
- Nouvelles du CERGA, available.
- CERGA Nieuws, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.

Information purveyor

0009

CENTRE D'INFORMATION DES COMBUSTIBLES LIQUIDES (CEDICOL)

Rue de la Rosée, 12, B 1070 BRUXELLES, Belgium .

Aims: Information and professional education of fuel-combustion workers. Organization agreed by the Ministry of Public Health for certificates in control of combustions and maintenance of the installations in liquid combustible. (Orientation: technological.)

NAME: Monsieur Jacques BOLLE, Directeur; tel.(02) 522.04.99.

Primary Information:

- Periodicals, Books.
- Chauffage-Informations, freq. 24, available.
- Warmte-Informatie, freq. 24, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Consultant services, restricted.

Non-energy enterprise with strong interest in energy

0010

CENTRE NATIONAL DE RECHERCHES SCIENTIFIQUES ET TECHNIQUES POUR L'INDUSTRIE CIMENTIERE (CRIC)

Rue César Franck, 46, B 1050 BRUXELLES, Belgium .

Aims: Research, information, testing. (Orientation: scientific, technological.)

NAME: Monsieur Pierre KERCKHOVE, Chef du Service de documentation; tel.(02) 649.98.50.

Primary Information:

- Reports.
- Rapports de recherches du CRIC, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Fichier du CRIC, freq. 12
- Bibliographies, not restricted.
- Translation services, not restricted.
- Information analysis and synthesis services, not restricted.

Non-energy enterprise with strong interest in energy

0011

COCKERILL

Direction Recherche et Développement/Documentation technique

Rue F. Nicolay, B 4200 OUGREE, Belgium .

Aims: Metallurgical society. Steel-mechanical construction. (Orientation: technological, economic.)

NAME: Monsieur Jean HOGGE, Chef de bureau; tel.(041) 34.48.90; tex.41270; cab.Cocrilougrée.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, no access.
 - Recherche et Développement. Bulletin bimestriel, freq. 6
- Bibliographies, restricted.
- Translation services, no access.

Trade and professional organisation

0012

COMITE BELGE D'ELECTROTHERMIE ET D'ELECTROCHIMIE (CBEE)

Galerie Ravenstein, 4, B 1000 BRUXELLES, Belgium .

Aims: Promotion of electrothermic and electrochemical industries. (Orientation: technological.)
NAME: Monsieur Gaëtan VAN DYCK, Administrateur-Délégué; tel.(02) 511.19.70.

Primary Information:

- Periodicals, Conference proceedings.
- Electrothermie-Electrochimie dans l'industrie et l'artisanat, freq. 4, available.

Research centre

0013

COMITE DE DOCUMENTATION DU GROUPE EUROPEEN DE RECHERCHES GAZIERES
B 1640 RHODE-SAINT-GENESE, Belgium .

Aims: Study of documents in the field of gas in order to help the research work of all European research committees. (Orientation: scientific, technological.)
NAME: Monsieur Paul-Robert HELMANN, Directeur; tel.(02) 358.35.27.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.

Information purveyor

0014

COMITE ELECTROTECHNIQUE BELGE (CEB)
Galerie Ravenstein, 3, B 1000 BRUXELLES, Belgium .

Aims: Normalization in the electrotechnical and electronic field. (Orientation: scientific, technological, legal.)
NAME: Madame Monique DEBELLE, Ingénieur-Chef de service; tel.(02) 512.00.28.

Primary Information:

- Bulletins.
- Notices de presse, freq. 4, available.

Documentation:

- Translation services, restricted.

Trade and professional organisation

0015

COMPTOIR BELGE DES CHARBONS (COBECHAR)
Rue de la Loi 99-101 Bte 8, B 1040 BRUXELLES, Belgium .

Aims: Sales office of the Belgian coal-mines. (Orientation: economic, legal.)
NAME: Monsieur Jean URBAIN, Chef du Service-Ventes; tel.(02) 513.28.10; tex.21471; cab.Cobechar-Bruxelles.

Primary Information:

- Periodicals, Reports, Statistical information.
- Bulletin quotidien d'informations, available.
- Statistique de base de l'industrie charbonnière, freq. 1, available.
- Bulletin statistique, freq. 12, not available.
- Rapport annuel, freq. 1, available.

Documentation:

- Query answering, restricted.
- Abstracting journals, restricted.
 - Bulletin quotidien d'informations

Information purveyor

0016

ELECTROBEL
Place du Trône, 1, B 1000 BRUXELLES, Belgium .

Aims: Information (technical and economic) for consulting-engineers society. (Orientation: technological, economic, legal.)
NAME: Monsieur Henri Paul CLAESSENS, Head of Information Department and Library; tel.(02) 511.72.40; tex.21852.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Bulletin bibliographique. Documentation générale. Section économique
 - Bulletin bibliographique. Documentation générale. Section technique
- Bibliographies, restricted.

Financial institution

0017

ELECTRORAIL
Avenue de l'Astronomie, 23, B 1030 BRUXELLES, Belgium .

Aims: Holding company. (Orientation: economic.)
NAME: Madame Colette THYSSEN, Documentaliste; tel.(02) 218.61.70; tex.23325.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- Library services, restricted.

Non-energy enterprise with strong interest in energy

0018

ELEKTRISCHE NIJVERHEIDS-INSTALLATIES N.V. (ENI)
Kontichsesteenweg, 25, B 2630 AARTSELAAR, Belgium .

Aims: Engineering, construction and erection of electrical, electronic and instrumentation installations. (Orientation: technological.)
NAME: Dhr. Jules BRUYNSEELS, Head of Information and Documentation Service; tel.(031) 87.40.81; tex.31598; cab.E.N.I.-B.

Primary Information:

- Reports, not available.

Documentation:

- Retrospective research, no access.
- Library services, no access.
- Information analysis and synthesis services, no access.

Trade and professional organisation

0019

FEDERATION DE L'INDUSTRIE DU GAZ (FIGAZ)
Avenue Palmerston, 4, B 1040 BRUXELLES, Belgium .

Aims: Confederation of gas transmission and distribution companies mainly in Belgium. (Orientation: economic, legal.)
NAME: Monsieur Lieven BLOM, Conseiller; tel.(02) 733.82.32; cab.Figaz-Bruxelles.

Primary Information:

- Reports, Bulletins, Statistical information.
- Annual report, freq. 1, available.
- Statistical yearbook, freq. 1, available.
- Information Bulletin, freq. 12, available.

Documentation:

- Query answering, restricted.
- Library services, not restricted.

Trade and professional organisation

0020

FEDERATION PETROLIERE BELGE
Rue de la Science, 4, B 1040 BRUXELLES, Belgium .

Aims: Represents the interests of the Belgian oil industry in the legal, economic, social and technological fields. (Orientation: economic, legal.)
NAME: Monsieur Claude LARIVIERE, Bibliothécaire; tel.(02) 512.30.03; tex.26930.

Primary Information:

- Periodicals, Books, Statistical information.
- Points de vues de l'Industrie Pétrolière Belge, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Trade and professional organisation

0021

FEDERATION PROFESSIONNELLE DES PRODUCTEURS ET DISTRIBUTEURS D'ELECTRICITE DE BELGIQUE
Rue de la Bonté, 5, B 1050 BRUXELLES, Belgium .

Aims: 1. Production, co-ordination of the production, transport and distribution of electric power. 2. Advise to the Government on these topics. (Orientation: economic.)
NAME: Madame Monique OZ; tel.(02) 512.99.46.

Primary Information:

- Books, Reports, Bulletins, Statistical information.
- Annuaire statistique, freq. 1, available.
- Rapport, freq. 1, available.
- Statistiques provisoires, freq. 1, available.
- Secteurs de distribution, freq. 1, available.
- Consommation d'électricité par province et région, freq. 1, available.
- Répertoire des entreprises de production d'électricité, freq. 1, available.
- Liste d'adresses des entreprises d'électricité, not available.
- Bulletin d'information, freq. 12, available.

Trade and professional organisation

0022

FORUM NUCLEAIRE BELGE A.S.B.L

Rue de la Pépinière, 36, B-1000 BRUXELLES, Belgium .

Aims: To promote the development of the Nuclear Industry To represent Belgium in FORATOM (European Association of Atomic Forums). (Orientation: scientific, technological, economic.)

NAME: M. Fernand SEYNAEVE, Président; tel.(02) 512-29-80.

Primary Information:

- Books, Reports, Conference proceedings, Bulletins, Others.
- Information Bulletin, freq. 6, available.

Documentation:

- Query answering, not restricted.

Non-energy enterprise with strong interest in energy

0023

GLAVERBEL

Secrétariat technique/Bibliothèque

Chaussée de La Hulpe, 166, B 1170 BRUXELLES, Belgium .

Aims: Manufacture and sale of sheet-glass and other glass elaborated products for buildings and cars. (Orientation: technological.)
NAME: Mademoiselle Claire RENDERS, Chef de Service; tel.(02) 673.40.40; tex.21097; cab.GLAVERBEL BRUXELLES.

Primary Information:

- Periodicals, Bulletins.
- Glaverbel Magazine, available.
- Glass in building news, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.

Trade and professional organisation

0024

GROUPEMENT DES HAUTS FOURNEAUX ET ACIERIES BELGES

Rue Montoyer, 47, B 1040 BRUXELLES, Belgium .

Aims: To keep the Belgian Steel firms informed of the general, economic, technological developments in the world. To defend the interests of the Belgian Steel firms. To keep informed of the activities of the Belgian Steel firms. (Orientation: technological, economic.)

NAME: Monsieur Bernard WINDELS, Chef du Département Documentation; tel.(02) 513.38.20; tex.21287; cab.Groupacier-Bruxelles.

Primary Information:

- Reports, Bulletins.
- Bulletin d'information, freq. quotidien, not available.
- Rapport annuel, freq. 1, available.
- Jaarverslag, freq. 1, available.
- L'industrie sidérurgique belge, freq. 1, available.
- Belgische ijzer en staalnijverheid, freq. 1, available.
- The Belgian iron and steel industry, freq. 1, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, not restricted.
- Translation services, no access.
- Information analysis and synthesis services, restricted.

Information purveyor

0025

INSTITUT D'HYGIENE DES MINES

Havermarkt, 22, B 3500 HASSELT, Belgium .

Aims: Research, medical and technical consultancy about safety and hygiene in (coal) mines. (Orientation: scientific.)

NAME: Dhr. Jacques SPAAS, Secretaris; tel.(011) 22.21.75.

Primary Information:

- Periodicals.
- Revue de l'Institut d'Hygiène des Mines, freq. 4, available.

Documentation:

- Abstracting journals, restricted.
 - Bulletin de documentation médicale "Pneumoconioses", freq. 4
- Bibliographies, restricted.

Research centre

0026

INSTITUT NATIONAL DES INDUSTRIES EXTRACTIVES

Rue du Chéra, 200, B 4000 LIEGE, Belgium .

Aims: Research in production and valorization of coal. Security and health problems in mines and quarries. Experimentation and agreement of security materials. Study on coke paste and production of formed coke. Control of atmosphere pollution. Research on polymers combustion characteristics and on the effects of mineral charge incorporation. Research on quarries and terra cotta industries. Radio transmissions in underground mines. (Orientation: scientific, technological.)

NAME: Monsieur Pierre STASSEN, Directeur du Secteur Mines; tel.(041) 52.71.50; tex.41128.

Primary Information:

- Periodicals, Conference proceedings, Bulletins.
- Annales des Mines de Belgique, freq. 12, available.
- Annalen der Mijnen van België, freq. 12, available.
- Bulletin technique Iniex "Mines et Carrières", available.
- Bulletin technique Iniex "Sécurité et Salubrité", available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Fiches de documentation Iniex
- Translation services, not restricted.

Trade and professional organisation

0027

INTERMIXT

Rue Royale, 45 Boîte 4, B 1000 BRUXELLES, Belgium .

Aims: Association of administrators representing the townships concerning gas, electricity, teledistribution problems. (Orientation: economic, legal.)

NAME: Monsieur Armand MOONS, Chef du service Information et Etudes; tel.(02) 217.14.57 (02) 217.07.09.

Primary Information:

- Periodicals, Bulletins.
- Bulletin d'information, available.
- Cahiers, available.

Financial institution

0028

KREDIETBANK

Arenbergstraat, 7, B 1000 BRUXELLES, Belgium .

Aims: Banking activities. (Orientation: economic.)

NAME: Dhr. Hendrik AMTER, Procuratierhouder-Hoofd van Dienst; tel.(02)513.80.50 ext 1341.

Primary Information:

- Periodicals.
- Weekly Bulletin, freq. 52, available.

Documentation:

- Bibliographies, not restricted.

Research centre

0029

LABORATOIRE BELGE DE L'INDUSTRIE ELECTRIQUE-BELGISCH LABORATORIUM VAN DE ELECTRICITEITS-INDUSTRIE (LABORELEC)

Service de Documentation-Documentatiedienst
B 1640 RHODE-SAINT-GENESE, Belgium .

Aims: The aims of the society are tests, studies and scientific and technical research in the field of production, transport, distribution and utilisation of electric energy for its members or for third parties. (Orientation: scientific, technological.)

NAME: Monsieur Claude SALMON, Chef du Service Documentation; tel.(02) 358.35.10 ext.119; tex.22297.

Primary Information:

- Periodicals, Reports, Others.
- Note d'Information Laborelec, freq. 2, available.
- Compte rendu des réunions de l'IERE, freq. 1, available.
- Rapports d'étude et de recherche établis par les Sections de Laborelec, freq. apériodique, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
 - Liste trimestrielle des travaux publiés par les Sections, freq. 4
 - Documentation échangée dans le cadre des activités de l'IERE, freq. 2
- Bibliographies, restricted.
- Information analysis and synthesis services, restricted.

National administration and decision making body

0030

MINISTERE DES AFFAIRES ECONOMIQUES

Administration des Mines

Rue Montoyer, 3, B 1040 BRUXELLES, Belgium .

Aims: Public Service. (Orientation: scientific, technological, economic, legal.)

NAME: Monsieur José DE BACKER; tel.(02) 511.72.25.

Primary Information:

- Periodicals, Conference proceedings, Theses and dissertations, Bulletins, Statistical information.
- Statistiques Mines de Houille (provisoires), freq. 52, available.
- Statistiques Mines de Houille (définitives), freq. 12, available.
- Annales des Mines, freq. 1, available.

Documentation:

- Library services, not restricted.

National administration and decision making body

0031

MINISTERE DES AFFAIRES ECONOMIQUES

Administration des Mines/Service Géologique

Rue Jenner, 13, B 1040 BRUXELLES, Belgium .

Aims: Public Service. (Orientation: scientific.)

NAME: Madame Maria STASSEYNS-VASTIAU, Secrétaire d'Administration-Gestionnaire de Bibliothèque; tel.(02) 649.20.94.

Primary Information:

- Periodicals, Others.
- Professional Paper, available.
- Cartes géologiques détaillées de la Belgique, available.
- Mémoire pour servir à l'explication des cartes géologiques et minières de la Belgique, available.

Documentation:

- Library services, not restricted.

National administration and decision making body

0032

MINISTERE DES AFFAIRES ECONOMIQUES

Bibliothèque centrale Fonds Quetelet

Rue de l'Industrie, 6, B 1040 BRUXELLES, Belgium .

Aims: General library and documentation centre at the service of the Ministry and research workers in economics. (Orientation: economic.)

NAME: Mademoiselle Agnès PHILIPS, Directeur; tel.(02) 511.19.30; tex.21.262.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Documentation économique et sociale, Résumés analytiques, freq. 4
 - Economische en sociale documentatie. Referaten, freq. 4
- Bibliographies, not restricted.

National administration and decision making body

0033

MINISTERE DES AFFAIRES ECONOMIQUES

Conseil central de l'Economie/Conseil consultatif de l'énergie

Avenue de la Joyeuse Entrée, 17-21, B 1040 BRUXELLES, Belgium .

Aims: Advice to the Government about general problems of energy, concerning especially needs in energy. (Orientation: economic.)

NAME: Monsieur Félix MICHIELSEN, Secrétaire général du Conseil central de l'Economie; tel.(02) 735.40.00.

Primary Information:

- Reports, not available.

National administration and decision making body

0034

MINISTERE DES AFFAIRES ECONOMIQUES

Direction générale de l'Energie/Coordination de la politique énergétique

Rue de Trèves, 49-51, B 1040 BRUXELLES, Belgium .

Aims: Public Service. (Orientation: technological, economic, legal.)

NAME: Monsieur Paul MARKEY, Conseiller; tel.(02) 511.42.60.

Primary Information:

- Periodicals, Bulletins, Statistical information.

- Bilans énergétiques, freq. 4, available.
- L'énergie électrique, freq. 12, available.
- Extrait de l'Economie belge: le secteur énergétique, freq. 1, available.
- Statistiques électricité, freq. 1, available.
- Répertoire des centrales statistiques électricité, freq. 1, available.

Documentation:

- Consultant services, restricted.

National administration and decision making body

0035

OFFICE BELGE DU COMMERCE EXTERIEUR

Boulevard Emile Jacqmain, 162, B 1000 BRUXELLES, Belgium .

Aims: Promotion of exports. (Orientation: economic.)

NAME: Monsieur François CLAES, Conseiller adjoint-Chef de service; tel.(02) 219.44.50; tex.21502; cab.Belpromex.

Primary Information:

- Periodicals, Bulletins.
- Informations du Commerce Extérieur-Berichten voor de Buitenlandse Handel, freq. 104, available.

Documentation:

- Query answering, restricted.
- Library services, not restricted.
- Abstracting journals, restricted.
 - Documentation Selection, freq. 24
- Bibliographies, restricted.
- Information analysis and synthesis services, restricted.

Non-energy enterprise with strong interest in energy

0036

SIDMAR

Documentatiebureau

President J.F. Kennedylaan, 51, B 9020 GENT, Belgium .

Aims: Steel industry. (Orientation: technological.)

NAME: Mevrouw Paula ANSIAUX, Secretaresse van het Documentatiebureau; tel.(091) 45.04.10 ext 1076.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.

Non-energy enterprise with strong interest in energy

0037

SOCIETE NATIONALE DES CHEMINS DE FER BELGES (SNCB)

Bureau de Documentation et Bibliothèque/Bureau 51-13 Section 2

Rue de Louvain, 17-21, B 1000 BRUXELLES, Belgium .

Aims: Documentation and professional information for the staff of the society. (Orientation: technological.)

NAME: Monsieur Charles VANOOTEGHEM, Chef de bureau; tel.(02) 513.18.70 EXT 3940.

Primary Information:

- Bulletins.
- Bulletin de documentation, freq. 6, available.

Documentation:

- Library services, not restricted.
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

0038

UNION DES EXPLOITATIONS ELECTRIQUES EN BELGIQUE (UEEB)

Service de Documentation

Galerie Ravenstein, 4 Bte 6, B 1000 BRUXELLES, Belgium .

Aims: Professional organization of private societies which principal aim is the production and the distribution of electrical energy. (Orientation: economic, legal.)

NAME: Monsieur Robert DETHIOU, Sous-Directeur; tel.(02) 511.19.70; cab.Belgunion-Bruxelles.

Primary Information:

- Periodicals, Books, Statistical information.
- Electricité-Elektricititeit, freq. 2, available.
- Statistiques annuelles, freq. 1, available.
- Règlement technique auquel doivent satisfaire les installations électriques à basse ou à moyenne tension, available.

- Cours relatifs à l'électricité, available.
- Electricité pour Vous-Elektriciteit voor U, freq. 4, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Information de presse, freq. quotidien
 - Notice bibliographique, freq. 52
- Bibliographies, restricted.

University and educational establishment

UNIVERSITE CATHOLIQUE DE LOUVAIN. LABORATOIRE D'ENZYMOLOGIE
Place Croix-du-Sud, 1, B-1348 LOUVAIN-LA-NEUVE, Belgium .

Aims: Fundamental research in bioenergetics and university teaching. (Orientation: scientific.)
NAME: Monsieur André GOFFEAU, Professeur; tel.(010) 41-81-81; tex.59037 UCLB.

Primary Information:

- Theses and dissertations, available.

DENMARK

University and educational establishment

0040

AARHUS UNIVERSITET

Institut for Statskundskab
8000 AARHUS C, Denmark .

Aims: Teaching and research in political science generally. (Orientation: economic.)
NAME: Hr. Jerome D. DAVIS, Assistant professor; tel.(06) 13.01.11.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

Information purveyor

0041

AKADEMIET FOR DE TEKNISKE VIDENSKABER (ATV)

Lundtoftevej, 266, 2800 LYNGBY, Denmark .

Aims: The object of ATV is to further technical scientific research and the application of its results for the benefit of the Danish community and its industry and trade. (Orientation: technological.)

NAME: Hr. BJERRE LAVESSEN, Secretary-general; tel.(02) 88.13.11.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.

Research centre

0042

ATOMENERGIKOMMISSIONENS FORSOEGSANLAAG, RISOE, ATOMENERGIKOMMISSIONENS BIBLIOTEK

Risoe, 4000 ROSKILDE, Denmark .

Aims: Information and documentation in nuclear science and technology. (Orientation: scientific, technological.)

NAME: Fr. Eva PEDERSEN, Head of the library; tel.(03) 35.51.01; tex.43116; cab.RISATOM.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, restricted.
- Consultant services, restricted.

Research centre

0043

BIOTEKNISK INSTITUT

Holbergsvej, 10, 6000 KOLDING, Denmark .

Aims: Processing of feeds and food. (Orientation: technological.)

NAME: Hr. M. MOELLER, Head of the project and information service; tel.(05) 52.04.33; cab.BIOTECH.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Research centre

0044

CARLSBERG LABORATORY-DEPARTMENT OF PHYSIOLOGY

Gamle Carlsbergvej, 10, 2500 VALBY, Denmark.

Aims: Research on the photosynthetic apparatus in higher plants. (Orientation: scientific.)

NAME: D. von WETTSTEIN, Professor, Head of Department of Physiology; tel.(01) 22-10-22.

Primary Information:

- Periodicals.
- Carlsberg Research Communications, freq. 6, available.

Trade and professional organisation

0045

DANATOM

Tingvej, 7, 4690 HASLEV, Denmark .

Aims: Information about nuclear energy. (Orientation: technological, economic.)

NAME: Hr. Manfred SCHOU, Head; tel.(03) 69-27-00; tex.40234; cab.DANATOM.

Primary Information:

- Periodicals, Reports.
- Kort nyt om atomenergi, freq. 12, available.

Documentation:

- Query answering, restricted.

University and educational establishment

0046

DANMARKS INGENIOERAKADEMI (DIA)

Kemifdelingen

Bygning 375, 2800 LYNGBY, Denmark .

Aims: As an academic engineering school to give intensive courses leading to a bachelor's degree. The education is supported to a certain degree by R & D work.

NAME: Hr. Carl JENSEN-HOLM, Professor; tel.(02) 88-56-00.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.

National administration and decision making body

0047

DANMARKS STATISTIK

Sejroegade, 11, 2100 KOEBENHAVN, Denmark.

Aims: Collect, process and publish statistical information on social and economic conditions, possibly in collaboration with local authorities and other statistical bodies. (Orientation: economic.)

NAME: Hr. Anders K. ANDERSEN, Secretary; tel.(01) 29.82.22; tex.16236.

Primary Information:

- Statistical information.

Documentation:

- Query answering, not restricted.

Information purveyor

0048

DANMARKS TEKNISKE BIBLIOTEK (DTB) MED DANSK CENTRAL FOR DOKUMENTATION (DCD)

Anker Engelundsvej, 1, 2800 LYNGBY, Denmark .

Aims: The National Technological Library of Denmark provides research, industry and higher education with scientific and technological literature and documentation. (Orientation: scientific, technological.)

NAME: Fr. Vibeke AMMUNDSEN, Director; tel.(02) 88.30.88; tex.1 50 48; cab.DANTEKBIBLIO.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

University and educational establishment 0049
DANMARKS TEKNISKE HOEJSKOLE (DTH)
Afdelingen for Fluid Mekanik
Bygning 404, 2800 LYNGBY, Denmark .

Aims: Teaching and research in Fluid Mechanics, Fluid Physics and Thermodynamics from the fundamental mathematical models to the applied processes. (Orientation: scientific, technological.)
NAME: Hr. H. SAUSTRUP KRISTENSEN, Assistant professor; tel.(02) 88.46.22.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment 0050
DANMARKS TEKNISKE HOEJSKOLE (DTH)
Fysisk Laboratorium III
Bygning 309, 2800 LYNGBY, Denmark .

Aims: Developing system dynamic simulation models for Denmark, aimed at investigating the economic, social and environmental consequences of various energy policies and various international energy situations over the next 25 to 50 years. (Orientation: scientific, technological.)
NAME: Hr. Joergen S. NOERGAARD, Assistant professor; tel.(02) 88.16.11.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment 0051
DANMARKS TEKNISKE HOEJSKOLE (DTH)
Laboratoriet for Energiteknik
Bygning 403, 2800 LYNGBY, Denmark .

Aims: Investigations and education concerning energy produced from fossil fuels. Power and efficiencies. Distribution and consumption of energy. Combined plants (Diesel engines, steam turbines, gas turbines, electricity and heat production). Air pollution from internal combustion engines. (Orientation: scientific, technological.)
NAME: Hr. Bjoern QUALE, Professor; tel.(02) 88.46.22.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment 0052
DANMARKS TEKNISKE HOEJSKOLE (DTH)
Laboratoriet for Koeleteknik
Bygning 402B, 2800 LYNGBY, Denmark .

Aims: Engineering education and research in thermal and environmental engineering with special regard to processes and plant design in refrigeration, air conditioning and cryogenics. (Orientation: scientific, technological.)
NAME: Hr. P. WORSOE-SCHMIDT, Professor; tel.(02) 88.46.22.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment 0053
DANMARKS TEKNISKE HOEJSKOLE (DTH)
Laboratoriet for Varme-og Klimateknik
Bygning 402A, 2800 LYNGBY, Denmark .

Aims: Teaching and research in the subject of heating, ventilating and air conditioning and thermal comfort. (Orientation: scientific, technological.)
NAME: Hr. N.F. BISGAARD, Professor; tel.(02) 88.46.22.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment

0054

DANMARKS TEKNISKE HOEJSKOLE (DTH)

Laboratoriet for Varmeisolering

Bygning 118D, 2800 LYNGBY, Denmark .

Aims: The use of thermal insulation and solar energy to reduce the conventional energy consumption in buildings. (Orientation: scientific, technological.)

NAME: Hr. Vagn KORSGAARD, Professor; tel.(02) 88.35.11.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

Trade and professional organisation

0055

DANSK INGENIOERFORENING (DIF)

Vester Farimagsgade, 31, 1606 KOEBENHAVN V, Denmark .

Aims: 1) To promote technical development for the benefit of the community. 2) To advance the importance of scientific technical education and research, 3) To attend to the interests and social requirements of the profession including the economical interests of its members, and 4) To promote collegial relations between members. (Orientation: technological.)

NAME: Hr. Paul Erik LARSON, Head of the technical department; tel.(01) 15.65.65; cab.DIFINGENIOER.

Primary Information:

- Reports.

Documentation:

- Query answering, no access.

Trade and professional organisation

0056

DANSK KEDELFORENING

Skt. Pedersvej, 8, 2900 HELLERUP, Denmark .

Aims: To advise the members of the association of owners of heating and power boilers on economical production and utilisation of heat and mechanical energy. (Orientation: technological.)

NAME: Hr. Frands RASMUSSEN, Head of the information department; tel.(01) He-92-11.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

Information purveyor

0057

DANSK TEKNISK OPLYSNINGSTJENESTE (DTO)

OErnevej, 30, 2400 KOEBENHAVN NV, Denmark .

Aims: Referral centre for industry. (Orientation: technological, economic.)

NAME: Hr. K. KLINTOE, Director; tel.(01) 10.91.95; cab.DANTEKOP.

Documentation:

- Query answering, not restricted.

Trade and professional organisation

0058

DANSKE ELVAERKERS FORENING

Vodroffsvej, 59, 1 900 KOEBENHAVN V, Denmark .

Aims: The Danish Associations of electricity supply undertakings. (Orientation: technological, economic, legal.)

NAME: Hr. Alvin C. DAHLGREN, Head of the information office; tel.(01) 39-01-11; cab.DANELVAERK.

Primary Information:

- Periodicals, Reports, Statistical information, Others.
- Elektroteknikerens, freq. 12, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0059

DANSKE ELVAERKERS FORENINGS UDRETNINGSAFDELING (D.E.F.U.)

Lundtoftevej, 100, 2800 LYNGBY, Denmark .

Aims: Within the field of production, transmission and distribution of electricity to carry out technical and economical investigations and studies on request of the electric utilities. (Orientation: technological, economic.)
NAME: Hr. J. KELLER-JACOBSEN, Secretary; tel.(02) 88-14-00.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Trade and professional organisation

0060

DANSKE FJERNVARMEVAERKERS FORENING (DFF)

Hadersleuvej, 79, 6000 KOLDING, Denmark .

Aims: To organize the co-operation between the members. To take care of their interests in relations to the authority, to advise technical, economical and legal. (Orientation: technological, economic.)
NAME: Hr. Jack MATHIASSEN, Director; tel.(05) 52-88-11.

Primary Information:

- Periodicals, Reports.
- Fjernvarmen, freq. 12, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0061

FORENINGEN DANSK GAS

Carolinevej, 4, 2900 HELLERUP, Denmark .

Aims: Economic and technical assistance to the members of the association of Danish town gas producers. (Orientation: technological, economic.)
NAME: Hr. VIKKELSOE, Secretary; tel.(01) HE-93-50.

Primary Information:

- Statistical information.
- Statistical Information, not available.

Documentation:

- Query answering, restricted.

National administration and decision making body

0062

GROENLANDS TEKNISKE ORGANISATION (GTO)

Hauserplads, 20, 1127 KOEBENHAVN K, Denmark .

Aims: Construction and plant activities in Greenland-manages: Surveys (topographic mapping), Geotechnical investigations (rock and soil mechanics), Planning and projections etc. (Orientation: technological, economic.)
NAME: Herrn G. LIND-PEDERSEN, Deputy chiefengineer; tel.(01) 13-84-72; tex.22979; cab.GRONLANDTEKNIK KH.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.

National administration and decision making body

0063

HANDELSMINISTERIET

Slotsholmsgade, 12, 1216 KOEBENHAVN K, Denmark .

Aims: Ministry of Trade, Industry Handicraft and Shipping. (Orientation: economic, legal.)
NAME: Hr. Eyvind MOE, Principal, energy office; tel.(01) 12.11.97; tex.22373; cab.SOEFART.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0064

INDUSTRIRAADET

H.C. Andersens Boulevard, 18, 1596 KOEBENHAVN V, Denmark .

Aims: To promote the interests of Danish industry towards government and society as a whole. (Orientation: technological, economic.)

NAME: Hr. Hans-Erik HANSEN, Head of technical department; tel.(01) 15.22,33; tex.22993; cab.Industriraadet.

Primary Information:

- Periodicals, Reports.
- Dansk Industri, freq. 12, available.

Documentation:

- Query answering, restricted.

Research centre

0065

INSTITUT FOR FREMTIDSFORSKNING

Vester Farimagsgade, 3, 1606 KOEBENHAVN V, Denmark .

Aims: Non—profit making Research Institute on future trends. (Orientation: economic.)

NAME: Hr. Christian BARNHOLT, Research director; tel.(01) 11 71 76.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.

Information purveyor

0066

JYDSK TEKNOLOGISK INSTITUT

Marselis Boulevard, 135, 8000 AARHUS C, Denmark.

Aims: As an independent non-profit organization to further technological progress through testing, consultation, education and documentation. (Orientation: technological, economic.)

NAME: Hr. Malte JOHANSEN, Head of Department; tel.(06) 14-24-00; cab.Jytek.

Documentation:

- Query answering, not restricted.

University and educational establishment

0067

DEN KGL. VETERINAER-OG LANDBOHOEJSKOLE

Jordbrugsteknisk Institut

Rolighedsvej, 23, 1958 KOEBENHAVN V, Denmark .

Aims: Teaching on subjects within Agricultural Engineering for students at The Royal Veterinary and Agricultural University. Perform basic and applied research in Agricultural Engineering. (Orientation: technological, economic.)

NAME: Hr. T. TOUGAARD PEDERSEN, Professor; tel.(01) 35.17.88.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

University and educational establishment

0068

KOEBENHAVNS UNIVERSITET

Niels Bohr Instituttet

Blegdamvej, 17, 2200 KOEBENHAVN, Denmark.

Aims: Basic research and teaching in quantum physics and general physics. (Orientation: scientific.)

NAME: Hr. Bent ELBEK, Professor; Tandem Accelerator Laboratory, Niels Bohr Institute, Risoe, 4000 ROSKILDE, Denmark; tel.(03) 35-60-35; cab.Physicum-Roskilde.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

University and educational establishment

0069

KOEBENHAVNS UNIVERSITET

Institut for Geofysik

Haraldsgade, 6, 2200 KOEBENHAVN N, Denmark .

Aims: Graduate teaching and research in solid earth geophysics. (Orientation: economic.)

NAME: Hr. P. VALLABH SHARMA, Professor; tel.(01) Æg-45-60; cab.Geophysinst.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

University and educational establishment

KOEBENHAVNS UNIVERSITET

0070

Institut for petrologi

0Estervoldgade, 5, 1350 KOEBENHAVN K, Denmark .

Aims: Teaching and research in petrology. (Orientation: scientific.)

NAME: Hr. Henning SOERENSEN, Professor; tel.(01) 13-50-01.

Documentation:

- Query answering, restricted.

Research centre

LYSTEKNISK LABORATORIUM

0071

Lundtoftevej, 100, 2800 LYNGBY, Denmark .

Aims: To make investigations at a scientific level in promotion of illuminating engineering and support of the Danish lighting industry. The laboratory will also contribute to the training of qualified technicians within this field. (Orientation: technological, economic.)

NAME: Hr. Erik FREDERIKSEN, Director; tel.(02) 87.39.11.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Research centre

OPTISK LABORATORIUM

0072

Lundtoftevej, 100, 2800 LYNGBY, Denmark .

Aims: Center for technical optics with the scope to assist science and industry. (Orientation: technological, economic.)

NAME: Hr. Werner OLSEN, Director; tel.(02) 88.38.48.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Research centre

STATENS BYGGEFORSKNINGSINSTITUT (SBI)

0073

Dr. Neergaards Vej. 15, 2970 HOERSHOLM, Denmark.

Aims: SBI has as its aim to improve the quality, productivity and competitiveness of building by studying, promoting and carrying out research and development work on the methods, economy, utility and other aspects of building. (Orientation: technological, economic.)

NAME: Hr. Erik CHRISTOPHERSEN, Head of Indoor Climate Department; tel.(02) 86-55-33; cab.BYGFORSK.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Information purveyor

TEKNOLOGISK INSTITUT

0074

Hagemannsgade, 2, 1607 KOEBENHAVN V, Denmark .

Aims: To develop technological advances and to be instrumental in bringing them about. Thus its aim is to serve Danish trade and industry as well as the Danish society. By the establishment of resources and choice of activities special attention is given to handicraft firms and small scale industry. (Orientation: technological, economic.)

NAME: Hr. Karsten WEIS, Head of information department; tel.(01) 14-31-66; cab.Teknologisk.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

National administration and decision making body

UDENRIGSMINISTERIET

Stormgade, 10, 1470 KOEBENHAVN K, Denmark .

Aims: Ministry of foreign economic affairs. (Orientation: economic, legal.)

NAME: Hr. Dan NIELSEN, Head of energy division; tel.(01) 12.48.25; tex.19351; cab.ETRANGERES.

Documentation:

- Query answering, restricted.

FRANCE

Non-energy enterprise with strong interest in energy

0076

AEROWATT S.A

Rue Chanzy, 37, 75011 PARIS, France .

Aims: Research, development, manufacturing and sales of wind energy conversion systems. (Orientation: technological.)

NAME: M. J.-M. NOËL, Chairman; tel.(1) 371-35-78; tex.SYSNA 680160 F.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Non-energy enterprise with strong interest in energy

0077

ALSTHOM

Division NEYRPIC/Groupe technique des fluides/Service Plan et Marketing

BP. 75-Centre de Tri, 38041 GRENOBLE-CEDEX, France .

Aims: Research, development, design and modelling for industrial engineering. (Orientation: scientific, technological, economic.)

NAME: Pierre de BONY de LAVERGNE, Service Plan et Marketing; tel.(76) 96 48 30; tex.320 750 Grenoble; cab.ALSTEC Grenoble.

Primary Information:

- Reports, not available.
- conference proceedings, available.

Non-energy enterprise with strong interest in energy

0078

ALSTHOM

Division NEYRPIC/Technique des fluides/Documentation

BP.75-Centre de Tri, 38041 GRENOBLE-CEDEX, France .

Aims: Joint technical documentation service of the companies: NEYRPIC (Division of ALSTHOM), SOGREAH and NEYRPIC-CREUSOT-LOIRE (NCL). (Orientation: scientific, technological, economic.)

NAME: Monsieur François de SAINT LAURENT, Chef du Service Documentation; tel.(76) 96 48 30; tex.320 750 Grenoble; cab.ALSTEC Grenoble.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, restricted.

National administration and decision making body

0079

ASSEMBLEE NATIONALE

Division des Informations Parlementaires

Rue de l'Université, 126, 75355 PARIS-CEDEX 07, France .

Aims: Publication by the means of the "Journal Officiel" of the French National Assembly hearings. Availability of the documentation collected for the debates between sessions (Jan. March/Jul. Sept). (Orientation: legal.)

NAME: Monsieur COUDERC, Chef de service; tel.(1) 260 60 00.

Primary Information:

- Reports.
- Comptes rendus des débats, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bulletin de l'Assemblée Nationale
 - Table annuelle du Bulletin des Commissions, freq. 1
 - Tables annuelles des débats, freq. 1

Trade and professional organisation

0080

ASSOCIATION POUR LE DEVELOPPEMENT DES ETUDES DE DROIT PETROLIER (ADEDP)
Rue St-Guillaume, 28, 75007 PARIS, France .

Aims: To foster the research and teaching of oil legislation. (Orientation: legal.)
NAME: Monsieur Michel BECQ, 75007; tel.(1) 222-35-93 Ext. 58.

Documentation:

- Library services, restricted.
- Information analysis and synthesis services, restricted.

Information purveyor

0081

ASSOCIATION FRANCAISE DE DOCUMENTATION ET D'INFORMATION NUCLEAIRE (AFDIN)
BP.2, 91190 SACLAY/GIF-SUR-YVETTE, France .

Aims: Relations between French producers and/or users of nuclear related information, and the international system SIDON/INIS. (Orientation: scientific, technological.)

NAME: Madame VAN CRAEYNEST, Responsable du Centre de Documentation; tel.(1) 941 80 00.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Translation services, not restricted.

Research centre

0082

ASSOCIATION FRANCAISE POUR L'ETUDE ET LE DEVELOPPEMENT DES APPLICATIONS DE L'ENERGIE SOLAIRE (AFEDES)
Rue de la Source, 28, 75016 PARIS, France .

Aims: Association for the research and development of solar energy uses. (Orientation: scientific, technological.)
NAME: Madame A. DAVID, Directeur du Centre de documentation (IFCE); Rue Henri Heine, 3, 75016 PARIS, France; tel.(1) 647 41 23.

Primary Information:

- Periodicals.
- Cahiers AFEDES, available.

Public and private energy enterprise

0083

ASSOCIATION NATIONALE DES CONCESSIONNAIRES DE CHAUFFAGE URBAIN (ANCC)
Rue de Chateaudun, 39, 75009 PARIS, France .

Aims: To bring together the trustees and holders operating the public district heating in France. (Orientation: technological.)
NAME: Mr PILIPENKO, Délégué général; tel.(1) 874-81-28.

Primary Information:

- Reports, Conference proceedings, Theses and dissertations, Statistical information.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Trade and professional organisation

0084

ASSOCIATION TECHNIQUE DU GAZ EN FRANCE (ATG)

Service Documentation
Rue de Courcelles, 62, 75008 PARIS, France .

Aims: To develop the technology and the uses of gas. (Orientation: technological.)
NAME: Monsieur DEDEYSTERE, Responsable du service Documentation; tel.(1) 924 66 51.

Primary Information:

- Periodicals, Reports.
- Gaz d'aujourd'hui, freq. 11, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bulletin bibliographique de l'ATG, freq. 12
 - Revue des sommaires
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

0085

ASSOCIATION TECHNIQUE DE L'IMPORTATION CHARBONNIERE (ATIC)

Rue de Longchamp, 179, 75016 PARIS, France .

Aims: Association for the purchase and transport of imported coal. (Orientation: technological.)

NAME: Monsieur PICARD, Président; tel.(1) 504 60 41.

Primary Information:

- Periodicals.
- Bulletin de l'Association Technique de l'Importation charbonnière, available.

Financial institution

0086

BANQUE DE FRANCE

Direction de la Conjoncture

BP 140.01, 75049 CEDEX 01 PARIS, France .

Aims: Collection of information in the fields of chemistry, transport and energy in order to advise the monetary Authorities of the economic situation and the influence of this on the economic and monetary problems. (Orientation: economic.)

NAME: Madame WRONSKI-CLAUSS, Banque de FRANCE. Direction de la Conjoncture; tel.(1) 508 23 45 poste 29-22.

Documentation:

- Consultant services, restricted.

Non-energy enterprise with strong interest in energy

0087

BECHTEL FRANCE

Avenue Pierre 1er de Serbie, 37, 75008 PARIS, France .

Aims: Engineers and constructors. (Orientation: technological.)

NAME: Monsieur J. MARTIN, responsable de l'Information; tel.(1) 359 48 41/359 50 39.

Primary Information:

- Periodicals, Reports.
- Bechtel Briefs, freq. 12, available.

Non-energy enterprise with strong interest in energy

0088

BREVATOME

Rue de Ponthieu, 25, 75008 PARIS, France .

Aims: Patent agent in nuclear field (filing, marketing, documentation). (Orientation: scientific, technological.)

NAME: Monsieur Maurice LENOIR, Chef du Service Documentation; avenue de St Ouen,22, 75018 PARIS, France; tel.(1) 293 55 10.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Abstracting journals, not restricted.
 - La propriété industrielle nucléaire-Atomic patent abstracts, freq. 6
 - Index annuels, freq. 1
- Consultant services, not restricted.

Research centre

0089

BUREAU D'INFORMATION ET DE PREVISION ECONOMIQUE (BIPE)

Service Documentation

Avenue Charles de Gaulle, 122, 92522 NEUILLY, France .

Aims: Economic research and forecasting centre open to public and private enterprises. (Orientation: economic.)

NAME: Madame SAVEANT; tel.(1) 722 06 00.

Primary Information:

- Periodicals, Reports, Conference proceedings.

- Tableau de bord des industries françaises, freq. 24, available.
- Prévisions à un an, freq. 1, available.
- Prévisions à cinq ans, freq. 1, available.

Documentation:

- Consultant services, restricted.

Trade and professional organisation

0090

BUREAU DE NORMALISATION DU PETROLE

Avenue Kleber, 16, 75116 PARIS, France .

Aims: National and international standards for the oil industries, materials and equipments and methods for the testing of oil products. (Orientation: legal.)

Primary Information:

- Periodicals.
- Recueil de normes des produits pétroliers, caractéristiques et méthode, freq. 1, available.

Documentation:

- Query answering, not restricted.

Research centre

0091

BUREAU DE RECHERCHES GEOLOGIQUES ET MINIERES (BRGM)

Département documentation

BP. 6009, 45018 ORLEANS, France .

Aims: Bibliography of geological sciences and mining; maps. (Orientation: scientific, economic.)

NAME: Monsieur Jean DELBOS; tel.(38) 63 00 12.

Primary Information:

- Bulletins, Others.
- Bulletin Géologie de la France, freq. 4, available.
- Bulletin Géologie appliquée, freq. 6, available.
- Bulletin Hydrologie et géologie de l'ingénieur, freq. 4, available.
- Mémoires, available.
- Bulletin Géologie générale, freq. 4, available.

Documentation:

- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bibliographie des Sciences de la Terre: section 220 Minéralogie, géochimie, freq. 10
 - Section 221 Gisements métalliques, économie minière, freq. 10
 - Section 223 Roches sédimentaires et géologie marine, freq. 10
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

Information purveyor

0092

CENTRE DE DOCUMENTATION DE L'ARMEMENT (CEDOCAR)

Boulevard Victor, 2bis, 75996 PARIS-CEDEX 15, France .

Aims: Information and documentation for engineers and managers working directly or indirectly for the French Ministry of Defence.

(Orientation: scientific, technological.)

NAME: Monsieur RENAUD, Directeur; tel.(1) 533 74 96.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
 - Diffusion sélective des Informations, freq. 24
 - Bulletin signalétique du CEDOCAR, freq. 24
 - Nouveautés scientifiques et techniques, freq. 24
- Bibliographies, restricted.
- Translation services, restricted.

Research centre

0093

CENTRE D'ETUDES REGIONALES SUR L'ECONOMIE DE L'ENERGIE (CEREN). DIVISION INFORMATION

Rue de Miromesnil, 84, 75008 PARIS, France .

Aims: Any studies and enquiries proved useful for a better knowledge of energy consumptions (all economic sectors); national and regional statistics. (Orientation: economic.)

NAME: Monsieur E. MEDINA; tel.(1) 073 66 89.

Primary Information:

- Reports, Bulletins, Statistical information.
- Statistiques régionales de consommation (charbon-gaz-électricité), freq. 4, available.
- Consommations apparentes d'énergie par secteur, freq. 1, available.
- Consommations régionales apparentes d'énergie dans l'industrie par branche d'activité, freq. 1, available.

Documentation:

- Query answering, restricted.

Research centre

0094

CENTRE NATIONAL D'ETUDES SPATIALES (CNES)

DAFE-ID-DOC

Avenue Edouard Belin, 18, 31055 TOULOUSE-CEDEX, France .

Aims: Space research. (Orientation: scientific, technological, economic.)

NAME: Monsieur DESCHAMPS, Responsable documentaire; tel.(61) 53 11 12; tex.51672.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations, Bulletins.
- Solar energy, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

Information purveyor

0095

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Centre de documentation

Rue Boyer, 26, 75971-CEDEX 20 PARIS, France .

Aims: General documentation services for researchers and industrial engineers. In the energy field, cooperation with different organizations and networks concerned with energy problems (the scope does not cover nuclear energy). (Orientation: scientific, technological.)

NAME: Monsieur A. GINOCCHIO, Monsieur A. MORHAIN, Rédacteurs responsables; tel.(1) 797 35 59; tex.CNRS-DOC 22880F.

Documentation:

- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bulletin signalétique du CNRS, section 730 "Combustibles, énergie"
 - Bulletin signalétique du CNRS, section 140 "Electrotechnique"
- Translation services, not restricted.

Information purveyor

0096

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Centre de documentation Sciences humaines (CDSH)/Réseau d'Information sur l'Economie de l'Energie (RIEE)

Boulevard Raspail, 54, 75006 PARIS, France .

Aims: Management of the French network on energy economics; dispatching of queries among the different members of the specialized centres of the network through the system SPLEEN; relations with other related systems, and especially the technical data base PASCAL.. (Orientation: economic.)

NAME: Monsieur Christian MILELLI, Responsable de l'équipe Economie; tel.(1) 544 38 49, (ext.393).

Documentation:

- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bulletin Economie de l'Energie, freq. 11

Research centre

0097

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Centre de Recherche sur le Droit et les Investissements Internationaux (CREDIMI)

Boulevard Gabriel, 4, 21000 DIJON, France .

Aims: Study of juridical and political problems of international economic relations. (Orientation: legal.)

NAME: Monsieur Dominique FASQUEL; tel.(80) 32 21 09.

Primary Information:

- Books.
- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Library services, not restricted.

Research centre

0098

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Institut Economique et Juridique de l'Energie (IEJE)
BP. 47, Centre de Tri, 38040 GRENOBLE-CEDEX, France .

Aims: Research, teaching and training, documentation in the field of energy economics. (Orientation: economic.)
NAME: Madame Françoise BLAMOUTIER, Responsable de l'Information; tel.(76) 54 61 45 (ext.328).

Primary Information:

- Books.
- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Information analysis and synthesis services, restricted.

Research centre

0099

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Laboratoire de l'Energie solaire
BP. 5, 66120 ODEILLO, France .

Aims: Scientific and applied research on solar energy and terrestrial surface radiation. Their applications to heating, refrigerating and air conditioning. Development of solar furnaces. (Orientation: scientific.)
NAME: Monsieur PEUBE, Directeur; tel.(69) 30 10 24.

Primary Information:

- Books, Conference proceedings.
- Reports, available.

Research centre

0100

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Laboratoire de Physique des Solides
Place A. Briand, 1, 92190 MEUDON, France .

Aims: Research on semiconductor materials (in the field of energy: research on solar photocells) Training (participation to DEA: Physique de l'Energie, Paris VII). (Orientation: scientific.)
NAME: Monsieur Michel RODOT, Directeur de Recherches; tel.(1) 626 07 50 (ext.2340).

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Research centre

0101

CENTRE TECHNIQUE DES INDUSTRIES AERAU LIQUES ET THERMIQUES (CETIAT)

B.P. 19, 91402 ORSAY, France .

Aims: Heating and ventilating (application of standards, measures, control). (Orientation: scientific, technological, legal.)
NAME: Mademoiselle M.L. PRÓD'HOMME, Documentaliste; tel.(1) 928 50 51.

Primary Information:

- Periodicals, Reports, Statistical information.
- Informations aérauliques et thermiques, freq. 4, available.
- Les documents scientifiques et techniques du CETIAT, available.

Trade and professional organisation

0102

CHAMBRE DE COMMERCE ET D'INDUSTRIE DE PARIS

Service Documentation
Rue de Chateaubriand, 16, 75008 PARIS, France .

Orientation: economic, legal.)
NAME: Monsieur LAURENT, Chef de service; tel.(1) 720 52 00.

Documentation:

- Library services, not restricted.
- Bibliographies, not restricted.

Trade and professional organisation

0103

CHAMBRE SYNDICALE DE LA SIDERURGIE FRANCAISE

Service Energie et Ferraille

Rue de Madrid, 5bis, 75008 PARIS, France .

Aims: To promote the French iron and steel industry. (Orientation: technological, economic.)

NAME: Monsieur BRIENS, Directeur; tel.(1) 522 83 00.

Primary Information:

- Reports, Statistical information.
- Reports, available.
- Bulletin statistique de la Chambre Syndicale de la Sidérurgie française, freq. 1, available.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0104

CHARBONNAGES DE FRANCE

Service de l'Information et des Relations publiques

Avenue Percier,9, BP.39608, 75360 PARIS-CEDEX 08, France .

Aims: Direction of the coal-mines, coordination of their activities, organization of services of common interest. (Orientation: technological, economic, legal.)

NAME: Monsieur Jean-Pierre ROUSSELOT; tel.(1) 225 95 00; tex.65203 CHARBON PARIS; cab.CHARBOFRAN PARIS.

Primary Information:

- Reports, Conference proceedings, Bulletins, Statistical information.
- Publications techniques, freq. 6, available.
- Rapport d'activité, freq. 1, available.

Documentation:

- Abstracting journals, not restricted.
- Bulletin bibliographique, freq. 12

Trade and professional organisation

0105

COMITE D'IMPORTATION CHARBONNIERE

Rue de Monceau, 66, 75008 PARIS, France .

Aims: Liaison between the professional organizations for coal importation into France; harmonization of policy. (Orientation: economic.)

NAME: Monsieur ROSE, Délégué général; tel.(1) 522 87 50.

Primary Information:

- Periodicals, Statistical information.
- Livraison d'agglomérés de houille aux foyers domestiques, à la petite industrie et à l'industrie, par les usines d'agglomération du littoral, available.

Trade and professional organisation

0106

COMITE PROFESSIONNEL DU BUTANE ET DU PROPANE

Centre d'Information

Avenue Hoche, 4, 75008 PARIS, France .

Aims: Professional organization for the marketing, distribution and uses of the natural and manufactured gas. (Orientation: technological, economic.)

NAME: Monsieur FONTAINE, Directeur de l'Information; tel.(1) 227 48 12.

Primary Information:

- Periodicals, Reports, Bulletins, Statistical information.
- Butane, Propane, la Revue des Gaz du Petrole, available.
- Guide Répertoire de l'Acheteur, freq. 1, available.
- Butane, Propane, Statistique, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Trade and professional organisation

0107

COMITE PROFESSIONNEL DU PETROLE (CPDP)

Service Documentation

Boulevard de Courcelles, 51, 75008 PARIS, France .

Orientation: technological, economic.)

NAME: Mme Brigitte LEVRIER; tel.(1) 924 98 94.

Primary Information:

- Periodicals, Bulletins, Statistical information.
- Statistiques pétrolières, freq. 1, available.
- Pétrole et gaz naturel dans le monde, available.
- Statistiques de transport pétrolier, available.
- Le marché pétrolier français, freq. 1, available.
- Statistiques du commerce extérieur pétrolier, available.
- Bulletin mensuel du CPDP (et suppléments), freq. 12, available.
- Notes d'information économique, available.

Documentation:

- Query answering, not restricted.
- Abstracting journals, not restricted.
 - Bulletin analytique pétrolier et suppléments, freq. 24
- Information analysis and synthesis services, not restricted.

Non-energy enterprise with strong interest in energy

0108

COMITE SCIENTIFIQUE ET TECHNIQUE DE L'INDUSTRIE DU CHAUFFAGE, DE LA VENTILATION ET DU CONDITIONNEMENT D'AIR (COSTIC)

Rue de la Pérouse, 9, 75784 PARIS CEDEX 16, France.

Aims: **Research and teaching.** (Orientation: scientific, technological.)

NAME: M. Jacques NAUDASCHER, Ingénieur au Centre de Documentation de l'Institut Technique du Bâtiment et des Travaux Publics; tel.(1) 720-10-20.

Primary Information:

- Periodicals, Books.
- Revue PROMOCLIM A-Actualités équipement technique, freq. 8, available.
- Revue PROMOCLIM B-Bulletin du Génie Climatique, freq. 8, available.
- Revue PROMOCLIM E-Études Thermiques et Aérauliques, freq. 4, available.

Documentation:

- Query answering.
- Library services, restricted.
- Consultant services, restricted.

Public and private energy enterprise

0109

COMMISSARIAT A L'ENERGIE ATOMIQUE (CEA)

Centre d'Etudes nucléaires de SACLAY/Service documentation

B.P. 2, 91190 SACLAY-GIF-SUR-YVETTE, France .

Orientation: scientific, technological, economic, legal.)

NAME: Monsieur GUILLOUX, Chef de Service; tel.(1) 941 80 00, (ext.2208).

Primary Information:

- Reports.
- Rapports CEA, available.
- Notes CEA, available.
- Bulletin d'Informations scientifiques et techniques, freq. 12, available.
- Rapport annuel du CEA, freq. 1, available.
- Notes d'information CEA, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bibliographies CEA
 - Index de la Littérature Nucléaire française, freq. 12
- Bibliographies, not restricted.
- Translation services, not restricted.
- Information analysis and synthesis services, not restricted.

National administration and decision making body

0110

COMMISSARIAT GENERAL DU PLAN

Service de la Documentation

Rue de Martignac, 18, 75007 PARIS, France .

Aims: French planning (preliminary reports and five years'reports, published by "La documentation française"). (Orientation: economic.)

NAME: Mademoiselle BIET; tel.(1) 550 32 20.

Primary Information:

- Reports.
- Rapports de la Commission d'Energie, available.

Non-energy enterprise with strong interest in energy

0111

COMPAGNIE ELECTRO-MECANIQUE (CEM)

Service Central de Documentation Technique

Rue du Rocher, 37, 75383 CEDEX 08 PARIS, France .

Aims: Electrical equipment for production, transport and utilisation of electrical energy. (Orientation: scientific, technological.)

NAME: Monsieur A. MALANDAIN, Directeur; tel.(1) 522 79 60; tex.65398 ELECTRAN; cab.ELECTRANIC PARIS.

Primary Information:

- Bulletins.
- Bulletins internes, not available.

Documentation:

- Library services, restricted.

Non-energy enterprise with strong interest in energy

0112

COMPAGNIE GENERALE D'ELECTRICITE (CGE)

Service central de documentation

Rue de la Boétie, 54-56, 75382 PARIS-CEDEX 08, France .

Aims: Industrial group for manufacturing electromechanical, electrical and electronical equipments. (Orientation: technological, economic.)

NAME: Madame LERAY, Documentaliste; tel.(1) 266 54 60; tex.LABMARCO 26877.

Primary Information:

- Reports, not available.
- Conference proceedings, not available.

Public and private energy enterprise

0113

COMPAGNIE NATIONALE DU RHONE

Rue André Bonin, 2, 69316 CEDEX 1 LYON, France .

Aims: Development of the Rhone between Switzerland and the Mediterranean Sea from the triple viewpoint of hydraulic power's utilisation, navigation and irrigation. (Orientation: technological.)

NAME: Monsieur VIDAL; tel.(78) 29 04 31.

Documentation:

- Library services, restricted.

National administration and decision making body

0114

CONSEIL ECONOMIQUE ET SOCIAL (C.E.S.)

Avenue d'Iéna, 1, 75008 PARIS, France .

Aims: Advisory assembly for coordination between socio-professional partners. (Orientation: economic, legal.)

NAME: Madame RICQUEBOURE, Bibliothécaire; tel.(1) 723 72 34.

Primary Information:

- Periodicals, Reports.
- Avis et rapports du Conseil Economique et social, available.

Documentation:

- Query answering, restricted.
- Library services, not restricted.
- Bibliographies, restricted.
- Information analysis and synthesis services, restricted.

Trade and professional organisation

0115

CONSEIL NATIONAL DU PATRONAT FRANCAIS (CNP)

Direction des Affaires économiques générales/Section Energie

Avenue Pierre 1er de Serbie, 31, 75784 PARIS-CEDEX 08, France .

Aims: Representation and defence of trade and industry enterprises. (Orientation: economic.)

NAME: Monsieur Thierry de MARGERIE; tel.(1) 553 67 30.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.

Information purveyor

0116

DIRECTION DE LA DOCUMENTATION ET DE LA DIFFUSION AU SECRETARIAT GENERAL DU GOUVERNEMENT (SERVICES DU PREMIER MINISTRE)

La Documentation Française

Quai Voltaire, 29-31, 75340 PARIS-CEDEX 07, France .

Aims: To collect, publish and make available to the public general information and news on the main problems of present interest concerning France and other countries. (Orientation: economic, legal.)

NAME: Monsieur Jean-Louis CREMIEUX-BRILHAC, Directeur de la Documentation; tel.(1) 261 50 10; tex.204 826 DOCFRAN Paris.

Primary Information:

- Periodicals, Reports.
- Notes et Etudes documentaires, freq. 60, available.
- Problèmes économiques et sociaux, freq. 26, available.
- Problèmes politiques et sociaux, freq. 26, available.

Documentation:

- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, not restricted.

Public and private energy enterprise

0117

ELECTRICITE DE FRANCE (EDF)

Direction des Etudes et Recherches/Centre de documentation

Avenue du Général de Gaulle, 1, 92141 CLAMART, France .

Aims: Production, transport and distribution of electric power. (Orientation: scientific, technological, economic.)

NAME: Monsieur Jean PUPPONI, Chef du département; tel.(1) 645 21 61.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.
- Bulletins, available.
- Statistical Information, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Information analysis and synthesis services, restricted.

Financial institution

0118

ENERCO

Rue D. Casanova, 31, 75001 PARIS, France .

Aims: Assistance for financing of energy saving investments in French industries. (Orientation: economic.)

NAME: Monsieur André WEIL, Attaché de direction; tel.(1) 261 21 86.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0119

ESSO S.A.F.

Service Presse Documentation

Avenue André Prothin, 92080 CEDEX 2 PARIS LA DEFENSE, France .

Aims: Oil refining and sale of petroleum and petroleum products. (Orientation: technological.)

NAME: Monsieur Pierre-Emile FOURNIER, Chef du Service Presse; tel.(1) 788 50 00.

Primary Information:

- Periodicals, Reports.
- ESSO-informations, freq. 12, available.
- ESSO-SAF Rapport annuel, freq. 1, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0120

FEDERATION DES CHAMBRES SYNDICALES DE L'INDUSTRIE DU VERRE

Rue de la Boétie, 3, 75008 PARIS, France .

Aims: To promote the development of glass industry. (Orientation: economic.)
NAME: Mademoiselle LAMOTTE, Directeur du Service Documentation; tel.(1) 265 60 02.

Primary Information:

- Statistical information, not available.

Trade and professional organisation

0121

FEDERATION DES INDUSTRIES MECANIQUES ET TRANSFORMATRICES DE METAUX (FIMTM)

Service des liaisons techniques/bibliothèque économique
Avenue Hoche, no 11, 75 382 CEDEX 08 PARIS, France .

Aims: In the energy field: information on modern materials using energy; selection of energy saving materials. (Orientation: economic.)

NAME: Mademoiselle J. BALLEREAU, Service des liaisons techniques; tel.(1) 622 38 00; tex.28-900; cab.SYNDIMECA.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Information analysis and synthesis services, restricted.

Non-energy enterprise with strong interest in energy

0122

FIVES CAIL BABCOCK

Service Documentation
Rue du Faubourg St Honoré, 128, 75008 PARIS, France .

Aims: Manufacturers of material for sugar refinery, cementworks, boilers, etc. (Orientation: scientific, technological.)

NAME: Monsieur ANSELME; tel.(1) 359 55 28.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.

Trade and professional organisation

0123

FORUM ATOMIC FRANCAIS

Rue de la Procession, 48, 75724 PARIS CEDEX 15, France .

Aims: To bring together all organisations with an interest in the scientific and technical problems in the nuclear field; to create a link between them to establish a joint approach in the development of the nuclear industry. To represent France in FORATOM (The European Association of Atomic Forums). (Orientation: technological, economic.)

NAME: M. Jean RENOU, Président; tel.(1) 567-07-70; tex.200565; cab.273 60 00 (Ext. 5459).

Primary Information:

- Bulletins.

Documentation:

- Query answering, restricted.

Public and private energy enterprise

0124

GAZ DE FRANCE (GDF)

Direction des Etudes et Techniques nouvelles/Documentation et Brevets
Avenue du Président Wilson, 361, 93312 LA PLAINE ST DENIS, France .

Aims: Study and development of new techniques. (Orientation: technological.)

NAME: Monsieur DALMAZE; tel.(1) 752 76 00.

Primary Information:

- Periodicals, Reports, Statistical information.
- Gaz actualité, freq. 1, available.
- Le Gaz et l' Industrie, freq. 2, available.
- Revue du gaz dans la Construction, freq. 4, available.
- Rapport d' activité, freq. 1, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Abstracting journals, restricted.
 - Bulletin analytique, freq. 50

Public and private energy enterprise

0125

GAZOCEAN

Service Prévision
Avenue George V, 21, 75008 PARIS, France .

Aims: Transport and trade of LNG and LPG. (Orientation: economic.)

Primary Information:

- Reports.
- Reports, available.

Financial institution

0126

GENERCO

Rue D. Casanova, 31, 75001 PARIS, France .

Aims: Issuing of long term loans for the financing of industrial energy saving investments. (Orientation: economic.)
NAME: Monsieur André WEIL; tel.(1) 261 21 86.

Primary Information:

- Reports.
- Etudes destinées aux industries françaises, available.

Trade and professional organisation

0127

GROUPEMENT DES ASSOCIATIONS DE PROPRIETAIRES D'APPAREILS A VAPEUR ET ELECTRIQUES (GAPAVE)

Service Documentation

Rue de la Boétie, 60, 75008 PARIS, France .

Aims: Technical safety controls, energy saving, testing of materials and equipments. The publications are on sale at SADAVE, 66 rue de Rome, Paris 8e. (Orientation: scientific, technological, legal.)
NAME: Monsieur LE POULTEL; tel.(1) 225 58 50.

Primary Information:

- Periodicals, Books.
- APAVE, available.
- Books, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0128

GROUPEMENT HELIOTECHNIQUE-HABITAT

CNES, avenue Édouard-Belin, 18, 31055 TOULOUSE CEDEX, France .

Aims: To promote the uses of solar energy in the south of France. (Orientation: scientific, technological.)
NAME: Monsieur L.J. BEZAUDUN, Secrétaire Général; tel.(61) 53-11-12; tex.51672.

Primary Information:

- Reports.

Documentation:

Trade and professional organisation

0129

GROUPEMENT SYNDICAL DES INDUSTRIES DE MATERIEL D'EQUIPEMENT ELECTRIQUE (GIMEE)

Service Promotion et Affaires Economiques

Rue Hamelin, 11, 75783 PARIS-CEDEX 16, France .

Aims: To promote the development of the French electrical equipment industries. (Orientation: economic, legal.)
NAME: Monsieur J.C. KARTELES, Directeur; tel.(1) 553 11 09; tex.SYCELEC 25688.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins, Statistical information.
- Interconnection, available.
- Commerce mondial des matériels d'équipement électrique, available.

Documentation:

- Query answering, restricted.
- Information analysis and synthesis services, restricted.

Non-energy enterprise with strong interest in energy

0130

HEURTEY S.A.

Recherche et Développement

Rue Guersant, 32, 75017 PARIS, France .

Aims: Engineering and Construction. (Orientation: technological, economic.)

NAME: Monsieur Roger DUMON, Directeur; tel.(1) 267 44 00; tex.Heurtey Paris 29375; cab.Heurtey France-Paris.

Primary Information:

- Periodicals, Reports, Conference proceedings, Bulletins.
- Heurtey Internal Bulletins, freq. 3, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Information analysis and synthesis services, restricted.

Research centre

0131

INSTITUT DE BIOLOGIE PHYSICO-CHIMIQUE

Rue Pierre-et-Marie-Curie, 13, 75005 PARIS, France .

Aims: Structure and fonction of the electron transfer chain of photosynthesis. Biophysical and genetic approach of the problem. (Orientation: scientific.)

NAME: Mr. Pierre JOLIOT; tel.(1) 033-16-40.

Primary Information:

- Theses and dissertations.

Research centre

0132

INSTITUT FRANCAIS DES COMBUSTIBLES ET DE L'ENERGIE (IFCE)

Rue Henri Heine, 3, 75016 PARIS, France .

Aims: Information and training for the best utilisation of energy resources by the way of thermal sciences development. (Orientation: scientific, technological.)

NAME: Madame Antoinette DAVID, Directeur du Centre de Documentation; tel.(1) 647 41 23.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings.
- Revue générale de thermique, freq. 10, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Actualité Combustible Energie, freq. 11
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

0133

INSTITUT FRANCAIS DU PETROLE (I.F.P.)

Service des Publications

Avenue du Bois-Préau, 1-4, 92502 RUEIL-MALMAISON, France .

Aims: IFP has the mission of helping to compile, publish and diffuse documents acting as working instruments for scientists, engineers, technicians, operators, economists, etc. and presenting the knowledge, know-how and data of use in different petroleum activities. (Orientation: scientific, technological, economic, legal.)

NAME: Monsieur Jean-Claude MARCOLIN, chargé du Service Publications; tel.(1) 967 11 10; tex.69666 IFP Rueil.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations, Others.
- Revue de l'Institut Français du Pétrole, freq. 6, available.
- Collection Colloques et Séminaires, available.
- Collection des Dictionnaires techniques, available.
- Collection des cours de l'Ecole Nationale Supérieure du Pétrole et des Moteurs, available.
- Collection "Recherches et Témoignages", available.
- Collection "Pratique du Pétrole", available.
- Collection "Science et Technique du Pétrole", available.
- Collection "Langages et Algorithmes de l'Informatique", available.

Research centre

0134

INSTITUT FRANCAIS DU PETROLE (IFP)

Centre de Documentation

Avenue du Bois-Préau, 1-4, 92502 RUEIL-MALMAISON, France .

Aims: Documentation for technicians, industry, government and educational circles about scientific knowledge and industrial techniques concerning all branches of petroleum industry, petrochemistry and allied industrial activities. (Orientation: scientific, technological.)

NAME: Madame Magdeleine MOUREAU, Chef du Centre de Documentation; tel.(1) 967 11 10; tex.69666 IFP Rueil.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.

- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

0135

INSTITUT FRANCAIS DU PETROLE (IFP)

Département Economie/Centre de Documentation économique
Avenue du Bois-Préau, 1-4, 92502 RUEIL-MALMAISON, France .

Aims: Economic information in the oil and energy fields. (Orientation: economic, legal.)

NAME: Madame Marie-Claire DEBACKERE, Responsable Documentation Economie; tel.(1) 967 11 10; tex.69666 IFP Rueil; cab.INSPETROLE RUEIL.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Revue Economie de l'Energie, freq. 12
- Bibliographies, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

National administration and decision making body

0136

INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES (INSEE)

Departement Entreprises/Division Etude des Entreprises/Section Entreprises Publiques, Energie, Transports
Boulevard Adolphe Pinard, 18, 75675 PARIS-CEDEX 14, France .

Aims: Collect and use of statistical information; diffusion of this information. Coordination of the French statistical system. In the energy field: national accounts, prices, indexes (gross product prices and industrial output index). (Orientation: economic.)

NAME: Madame Geneviève HONORE; tel.(1) 657 11 14.

Primary Information:

- Periodicals, Bulletins, Statistical information.
- Collection de l'INSEE, freq. 1, available.
- Bulletin mensuel des statistiques, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0137

INSTITUT DE RECHERCHE DES TRANSPORTS

Centre d'Evaluation et de Recherche des Nuisances
Avenue Salvador Allende, 109, 69500 BRON, France .

Aims: Research on pollution and energy consumption of means of transport. (Orientation: scientific.)

NAME: Madame CORVEE SAUVAGE; tel.(78) 26 90 93.

Primary Information:

- Reports.
- Rapports de recherches, available.

Documentation:

- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0138

JEUMONT-SCHNEIDER

DCT/DOC
Quai National, 31-32, 92806 PUTEAUX, France .

Aims: Electromechanical Engineering.

NAME: Mademoiselle MAERTEN; tel.(1) 776 41 62; tex.27794; cab.SWELECTRI-PUTEAUX.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Bibliographies, restricted.

Research centre

0139

LABORATOIRE DE PHOTOSYNTHESE
CNRS, 91190 GIF-SUR-YVETTE, France .

Aims: Biophysics of photosynthesis. Biochemistry of photosynthesis. Molecular biology of photosynthesis. (Orientation: scientific.)
NAME: M. J. LAVOREL, Directeur, (1) 907-78-28 Ext. 530.

Primary Information:

- Reports, Theses and dissertations.
- Annual report, freq. 1, available.

National administration and decision making body

0140

MINISTERE DE L'ECONOMIE ET DES FINANCES

Direction de la Prévision (DP)/Division de l'Equipeement, des Transports et de l'Energie
Rue Croix des Petits Champs, 9, 75056 PARIS, France .

Aims: Government department responsible for policy, planning and forecasting relating to the economic aspects of equipment, transport and Energy. (Orientation: economic.)
NAME: Monsieur BLAIN, Directeur; tel.(1) 260 33 00.

Primary Information:

- Reports, Statistical information.
- Statistiques et Etudes financières (série orange), available.

Information purveyor

0141

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Bureau National d'Information Scientifique et Technique (BNIST)/Service National d'Orientation (SOSDOC)
Rue aux Ours, 6, 75003 PARIS, France .

Aims: Dispatching of users'queries to the convenient information centres. (Orientation: scientific, technological, economic, legal.)
NAME: Mademoiselle AUDOLLENT; tel.(1) 887 40 73.

Documentation:

- Query answering, not restricted.

National administration and decision making body

0142

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Délégation Générale à l'Energie (DGE)/Agence pour les Economies d'Energie
Rue Cambronne, 30, 75737 PARIS-CEDEX 15, France .

Aims: Government department concerned with policy formulation, planning, management, legislation and regulation in the field of energy saving. (Orientation: technological, economic.)
NAME: Monsieur SYROTA, Directeur; tel.(1) 578 61 94.

Primary Information:

- Reports, available.

National administration and decision making body

0143

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Délégation Générale à l'Energie (DGE)/Délégation aux Energies nouvelles
Rue de Bourgogne, 13, 75007 PARIS, France .

Aims: Government department concerned with economic aspects, research and development of solar, geothermal, wind and tidal energies. "Services de diffusion de l'information sur les énergies nouvelles". c/o IFCE, 25 rue de la Source, 75016 Paris. (Orientation: technological, economic, legal.)
NAME: Monsieur J.C. COLLI; tel.(1) 550 32 50.

Primary Information:

- Rapports, available.

Documentation:

- Query answering, not restricted.

National administration and decision making body

0144

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Délégation Générale à l'Energie (DGE)/Direction des Carburants (DICA)
Rue Barbet de Jouy, 3-5, 75007 PARIS, France .

Aims: Government department concerned with policy, planning, forecasting, legal and economic aspects, statistics, transport, production and distribution of petroleum products. (Orientation: economic, legal.)
NAME: Monsieur PIKETTY, Directeur; tel.(1) 555 93 00.

Primary Information:

- Periodicals, Reports, Statistical information.

- Activité de l'Industrie Pétrolière, freq. 12, available.
- Activité de l'Industrie Pétrolière, Annuel, freq. 1, available.
- Bulletin mensuel d'information, freq. 12, available.

National administration and decision making body

0145

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Délégation Générale à l'Energie (PGE)/Direction du Gaz, de l'Electricité et du Charbon (DIGEC)
Rue de l'Université, 24, 75007 PARIS, France .

Aims: Government department concerned with policy, legislation, economics, transport, storage and production of gas, electricity, and coal. (Orientation: technological, economic, legal.)

NAME: Monsieur LEGRAND, Directeur; tel.(1) 555 93 00.

Primary Information:

- Periodicals, Reports, Statistical information.
- Statistiques de l'Industrie gazière en France, available.
- Usines hydroélectriques, réservoirs et centrales thermiques en France, freq. 1, available.
- Production et distribution de l'énergie électrique en France, freq. 1, available.

National administration and decision making body

0146

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Délégation Générale à la Recherche Scientifique (DGRST)
Rue St Dominique, 35, 75007 PARIS, France .

Aims: Government department concerned with research policy. (Orientation: scientific, technological.)

NAME: Monsieur M. GREGORY, Délégué Général; tel.(1) 551 74 30.

Primary Information:

- Periodicals, Reports.
- Le Progrès Scientifique, freq. 8, available.

National administration and decision making body

0147

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Direction des Mines/Bureau de Documentation Minière
Rue de Grenelle, 99, 75007 PARIS, France .

Aims: Government department concerned with legislation, research, development and safety in the field of mines. (Orientation: technological, economic.)

NAME: Monsieur CALLOT, Directeur; Rue Las Cases, 4, 75007 PARIS, France; tel.(1) 548 44 30.

Primary Information:

- Periodicals, Books.
- Annales des Mines, freq. 12, available.

Documentation:

- Abstracting journals, restricted.
- Economie minière Revue de Presse, freq. 52
- Bibliographies, restricted.

National administration and decision making body

0148

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Service de Relations Publiques et d'Information (SERPI)
Rue de Grenelle, 101, 75007 PARIS, France .

Aims: Government department concerned with information and public relations in the field of research and industry. (Orientation: scientific, technological, economic, legal.)

NAME: Monsieur José LEYMARIE, Melle F. MONARD, Responsable de la Documentation et de la Bibliothèque Centrales, Responsable des Publications; tel.(1) 551 89 10; tex.24231.

Primary Information:

- Periodicals, Books, Reports.
- Lettre 101, freq. 24, available.
- Collection Etudes Politique Industrielle, available.
- Collection Les Dossiers de l'Energie, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

National administration and decision making body

0149

MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)

Service du Traitement de l'Information et des Statistiques Industrielles (STISI)

Boulevard du Montparnasse, 85, 75006 PARIS, France .

Aims: Government department dealing with information and statistics relating to industry. (Orientation: economic.)

NAME: Monsieur BASTIANI; tel.(1) 555 93 00.

Primary Information:

- Periodicals, Reports, Statistical information.
- Données sur l'Industrie française, freq. 1, available.
- Statistiques mensuelles, freq. 12, available.
- Prix intérieurs des produits énergétiques, freq. 4, available.

Non-energy enterprise with strong interest in energy

0150

NEYRPIC

Division de la société ALSTHOM/Service Information

Rue Général Mangin, 38100 GRENOBLE, France .

Aims: Design and construction of hydraulic turbines. Manufacturing of nuclear plant equipment. (Orientation: technological.)

NAME: Monsieur SCHULHOF, Chef de service; tel.(76) 96 48 30; tex.320750; cab.NEYRPIC Grenoble.

Primary Information:

- Reports, Conference proceedings.

Non-energy enterprise with strong interest in energy

0151

OMNIUM TECHNIQUE DES TRANSPORTS PAR PIPE-LINE (OTP)

Rue Volta, 3-5, 92801 PUTEAUX, France .

Aims: Oil engineering company with foreign subsidiaries, for pipelines design, construction and works control. (Orientation: technological.)

NAME: Madame KONIFAROW, Responsable du Service Documentation; tel.(1) 506 21 94; tex.62495 OTEPIPE PUTEAUX.

Primary Information:

- Periodicals, Reports.
- OTP information, freq. 2, available.
- Rapports, not available.

Documentation:

- Abstracting journals, restricted.
 - Bulletin signalétique mensuel, freq. 12

Non-energy enterprise with strong interest in energy

0152

LA RADIOTECHNIQUE-COMPELEC (RTC)

Division Recherche et Promotion commerciale

Avenue Ledru-Rollin, 130, 75540 CEDEX 11 PARIS, France .

Aims: Development, production and sale of electronic components and component parts. (Orientation: economic.)

NAME: Monsieur Pierre BARBIER; tel.(1) 355 44 99; tex.68495.

Primary Information:

- RTC-Actualités, freq. 4, available.

Documentation:

- Query answering, not restricted.

Non-energy enterprise with strong interest in energy

0153

SAINT GOBAIN INDUSTRIES

Services techniques communs

Bd. Victor Hugo, 62, 92209 NEUILLY, France .

Aims: Manufacture of glass. (Orientation: technological.)

NAME: Madame C. MANSOULIE, Chef du Service Documentation; tel.(1) 637 10 00.

Documentation:

- Query answering, no access.
- Retrospective research, no access.
- SDI, no access.
- Library services, no access.
- Bibliographies, no access.

Non-energy enterprise with strong interest in energy

0154

SATE-APPLIMO

Department Etudes et Recherches

Rue St Mathieu, 78550 HOUDAN, France .

Aims: Space electrical heating, Ventilation, Electrothermal technology applied to industry and agriculture. (Orientation: technological.)

NAME: Monsieur HENAULT, Département Etudes et Recherches; tel.(1) 486 62 39; tex.69887.

Primary Information:

- Reports, Bulletins, Others.
- Rapports d'étude, freq. 12, not available.
- Bulletins techniques, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.

Information purveyor

0155

SEAGAS-CONSEIL

Av. George-V, 12, 75008 PARIS, France .

Aims: Economic consultancy on transport and trade of liquefied gases. (Orientation: economic.)

NAME: Mr. Yves de LAUGAUSIE, General Manager; tel.(1) 359-53-17; tex.640264 F.

Documentation:

- Query answering, not restricted.

Non-energy enterprise with strong interest in energy

0156

SERETE

Service Energie

Rue Regnault, 72, 75640 PARIS-CEDEX 13, France .

Aims: Consulting and engineering activities with special interest in the conception, operation and performances of energy producing and/or consuming equipments. (Orientation: technological.)

NAME: Monsieur Pierre VITRY, Ingénieur en chef; tel.(1) 584 15 15; tex.25640 SERETE PARIS; cab.SERETELEC.

Primary Information:

- Reports.
- Etudes techniques, available.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0157

SHELL FRANCAISE

Service Information Pétrolière

Rue de Berry, 29, 75380 PARIS-CEDEX 08, France .

Aims: Trade organization for sale of petroleum and petroleum products. (Orientation: technological, economic.)

NAME: Monsieur Francis DARDOT; tel.(1) 256 82 82.

Primary Information:

- Periodicals, Reports, Conference proceedings, Bulletins, Statistical information.
- Shell Information, freq. 6, not available.
- Bloc Note Economique, available.
- Etudes et documents d'actualité, freq. 3, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0158

SOCIETE D'ETUDES ET DE REALISATIONS INDUSTRIELLES (SERI)

Renault Engineering/Service Documentation

Centre Parly, 2, 78150 LE CHESNAY, France .

Aims: Study bureau for energy consumption in the industrial production processes for heating of buildings. Engineering services in the building and mechanical industries sectors. (Orientation: technological, economic.)

NAME: Madame DA SILVA; tel.(1) 954 37 00; tex.600 833F.

Primary Information:

- Reports.
- Rapports d'études, not available.

Public and private energy enterprise

0159

SOCIETE FRANCAISE D'ENERGIE NUCLEAIRE (SFEN)

Rue de la Procession, 48, 75015 PARIS, France .

Aims: To promote the development of nuclear science and technology. (Orientation: scientific, technological.)
NAME: M. Roger BOUSSARD, Délégué Général; tel.(1) 567-07-70; tex.200565.

Primary Information:

- Bulletins.
- Revue Générale Nucléaire, freq. 6, available.

Documentation:

- Query answering, not restricted.

Non-energy enterprise with strong interest in energy

0160

SOCIETE FRANCAISE D'ETUDES ET DE REALISATIONS NUCLEAIRES (SOFRATOME)

Tour Horizon, Quai National, 52, 92806 PUTEAUX, France .

Aims: Technical consultancy for foreign societies working in the field of production and peaceful uses of nuclear energy. (Orientation: scientific, technological, economic.)

NAME: Monsieur NAUDET; tel.(1) 776 43 24; tex.630133 F.

Primary Information:

- Reports, not available.

Research centre

0161

SOCIETE FRANCAISE ETUDES THERMIQUES ET ENERGIE SOLAIRE (SOFRETES)

B.P. 163, 45203 MONTARGIS, France .

Aims: Research, development and promotion of new energy sources, mainly geothermal and solar energy. (Orientation: technological.)

NAME: M. Max CLEMOT, Marketing Engineer; tel.(38) 85-25-42.

Primary Information:

- Reports, Conference proceedings, Theses and dissertations.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0162

SOCIETE FRANCAISE DES PETROLES BP

Direction de l'Information et des Relations extérieures

Quai Paul Doumer, 10, 92401 COURBEVOIE, France .

Aims: Purchase, importation, transportation, storage, refining, sale of mineral oils in France and in the Community. (Orientation: economic.)

NAME: Monsieur Emmanuel JAHAN, Adjoint au Directeur; tel.(1) 256 48 00; tex.92392 COURB.

Primary Information:

- Periodicals, Reports, Conference proceedings, Statistical information, Others.
- DIRE Magazine, freq. 4, available.
- Share holders'letter, not available.
- BP Statistical Review, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0163

SOCIETE GRENOBLOISE D'ETUDES ET D'APPLICATIONS HYDRAULIQUES (SOGREAH)

Service des Relations publiques (SRP)

BP. 172-Centre de Tri, 38042 GRENOBLE-CEDEX, France .

Aims: Consultant engineers for regional developments and planning. (Orientation: scientific, technological, economic.)

NAME: Monsieur Jacques BERANGER, Chef de service; tel.(76) 09 80 22; tex.980 876; cab.SOGREAH Grenoble.

Primary Information:

- Reports, available.
- Conference proceedings, available.

Non-energy enterprise with strong interest in energy

0164

SOCIETE INDUSTRIELLE DE DESSALEMENT DES EAUX (SIDEM)

Rue de Clichy, 54, 75009 PARIS, France .

Aims: Combined power stations for desalination of sea water and electricity production. (Orientation: technological.)

NAME: Mademoiselle SABATIER, secrétaire de direction chargée des relations extérieures; tel.(1) 874 79 60.

Primary Information:

- Reports, not available.

Public and private energy enterprise

0165

SOCIETE NATIONALE ELF AQUITAINE (SNEA)

Département Central d'Information documentaire
Rue Nélaton, 7, 75015 PARIS, France .

Aims: Oil company (petroleum exploration, refining, petroleum products, petrochemistry (. (Orientation: scientific, technological, economic.)

NAME: Monsieur A. LETULLIER, Chef du Département; tel.(1) 578 61 00.

Primary Information:

- Periodicals, Reports, Bulletins, Statistical information, Others.
- Bulletin mensuel d'information, freq. 12, available.
- Rapports annuels des sociétés du groupe, freq. 1, available.
- STATSID: Fichier de statistiques pétrolières mondiales sur les activités d'exploration-production (support magnétique), freq. 1, available.

Documentation:

- Query answering, no access.
- Retrospective research, no access.
- SDI, no access.
- Library services, restricted.
- Bibliographies, no access.
- Information analysis and synthesis services, no access.

Public and private energy enterprise

0166

SOCIETE NATIONALE DES GAZ DU SUD OUEST (SNGSO)

Service commercial

Avenue Dufau, 49, 64000 PAU, France .

Aims: Transportation and trade of natural gas. Technology of pipelines. (Orientation: economic.)

NAME: Monsieur Maurice REMOND; tel.(57) 027662.

Primary Information:

- Statistical information.
- Statistiques officielles, available.

Non-energy enterprise with strong interest in energy

0167

SOCIETE DU PIPELINE SUD-EUROPEEN

Département des relations extérieures

Avenue Charles de Gaulle, 195, 92521 NEUILLY-SUR-SEINE, France .

Aims: Crude oil pipeline. (Orientation: technological.)

NAME: Monsieur E. GAMBART DELIGNIERES, Chef du Département Relations extérieures; tel.(1) 637 16 00; tex.62 325.

Primary Information:

- Periodicals.
- Bulletin de l'Industrie Pétrolière (BIP), freq. 260, not available.
- Industrie du Pétrole, freq. 12, not available.

Documentation:

- Query answering, restricted.

Non-energy enterprise with strong interest in energy

0168

SOCIETE TECHNIQUE DE GEOTHERMIE (GEOREX)

Direction générale et Information

Avenue des Champs Elysées, 152, 75008 PARIS, France .

Aims: Private study office for the exploitation of French patents concerning low energy, underground hot water, geology, engineering. (Orientation: technological.)

NAME: Monsieur MAUGIS, Directeur; tel.(1) 359 62 71; tex.62-233.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Consultant services, restricted.

Non-energy enterprise with strong interest in energy

0169

SOCIETE DES TRANSPORTS PETROLIERS PAR PIPELINE (TRAPIL)

Service Documentation

Rue des Frères-Mozane, 7-9, 75015 PARIS, France .

Aims: Mixed economy company (51 % government and oil companies). (Orientation: technological.)
NAME: M. LONGET; tel.(1) 842-74-00.

Primary Information:

- Reports, Statistical information.
- Rapports internes, not available.
- Bulletin statistique du service commercial, freq. 1, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0170

SYNDICAT DES CHAUX ET CEMENTS

Service statistique et documentation

avenue de Friedland, 41, 75008 PARIS, France .

Aims: Trade union for the defence of the interests of lime and cement industries. (Orientation: technological, economic.)
NAME: Monsieur LEMIR; tel.(1) 359 08 93.

Primary Information:

- Periodicals, Reports, Bulletins, Statistical information.
- Ciments et Chaux, freq. 12, available.
- Courrier Scientifique, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.

Trade and professional organisation

0171

SYNDICAT PROFESSIONNEL DES FABRICANTS DE MATIERES PLASTIQUES ET DE RESINES SYNTHETIQUES

Avenue Hoche, 9, 75008 PARIS, France .

Aims: To promote the development of plastic materials. (Orientation: economic.)
NAME: Monsieur J. PELLERIN, Secrétaire général; tel.(1) 227 63 94.

Primary Information:

- Statistical information, not available.

Non-energy enterprise with strong interest in energy

0172

TECHNIGAZ

Division Marketing

Rue de la Bresle, BP. 35, 78310 MAUREPAS, France .

Aims: Engineers, General Contractors, Consultants, Research and Development. (Orientation: scientific, technological.)
NAME: Monsieur Jean-Marie LEBRETON, Monsieur Georges THYRION; tel.(1) 050 61 55; tex.600 635 F; cab.TECHNICGAZ
Maurepas.

Primary Information:

- Theses and dissertations.
- Conference proceedings, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Non-energy enterprise with strong interest in energy

0173

TECHNIP. COMPAGNIE FRANCAISE D'ETUDES ET DE CONSTRUCTION

Division énergie

Avenue Napoléon Bonaparte, no 232, 92500 RUEIL-MALMAISON, France .

Aims: Engineering and consultancy services in the fields of gas, oil and chemical industries. (Orientation: technological.)
NAME: Monsieur J.M. BOURGUET, Directeur; tel.(1) 977 92 25; tex.60 621F.

Primary Information:

- Reports.
- Etudes diverses, available.

Public and private energy enterprise

0174

TOTAL. COMPAGNIE FRANCAISE DES PETROLES

Quai André-Citroën, 39-43, 75739 PARIS CEDEX 15, France .

Aims: Any operation concerning liquid or gaseous hydrocarbons. (Orientation: scientific, technological.)
NAME: Mademoiselle Monique MONTOUCHET, Assistance et recherche; tel.(1) 578-33-33.

Primary Information:

- Books, Reports.
- Notes et Mémoires de la Compagnie Française des Pétroles, not available.
- Rapports internes, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Consultant services, restricted.

Trade and professional organisation

0175

UNION DES CHAMBRES SYNDICALES DE L'INDUSTRIE DU PETROLE (UCSIP)

Service Documentation

Avenue Kléber, 16, 75116 PARIS, France .

Orientation: legal.)

NAME: Melle PLANTEFOL; tel.(1) 553 42 40.

Primary Information:

- Periodicals, Reports, Statistical information.
- L'Industrie française du pétrole, freq. 1, available.
- Ce pétrole qui nous entoure, available.

Documentation:

- Query answering, not restricted.

Research centre

0176

UNIVERSITE DE LYON II

Institut des Etudes Economiques/Section de l'Economie publique des transports et de l'aménagement
Quai Claude Bernard, 18, 69007 LYON, France .

Aims: Economic research and teaching; documentation about national and international transportation problems (TRANSDOC).
(Orientation: economic.)

NAME: Madame Nicole CLERC, Bibliothécaire; tel.(78) 72 31 35.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Library services, not restricted.
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

University and educational establishment

0177

UNIVERSITE DE PROVENCE

Departement d'héliophysique

Centre de Saint Jérôme, 13397 CEDEX4 MARSEILLE, France .

Aims: Thermal conversion of solar energy. (Orientation: scientific.)

NAME: Madame C. MILLET, Documentaliste; tel.(91) 98 09 01.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Non-energy enterprise with strong interest in energy

0178

VALLOUREC

Service d'information

Rond Point Bugeaud, 7, 75016 PARIS, France .

Aims: Manufacturing of steel tubes, steel bands and steel sections. (Orientation: technological.)

NAME: Mademoiselle DAMONT, Attachée de presse au service Information; tel.(1) 267 80 80.

Primary Information:

- Reports.
- Rapports internes, available.
- Bulletin d'information cadres, available.

GERMANY (FEDERAL REPUBLIC OF)

Public and private energy enterprise

0179

AEG-TELEFUNKEN ENERGIE-UND INDUSTRIE-TECHNIK AG FORSCHUNGSINSTITUT FRANKFURT
Goldsteinstrasse, 235, D-6000 FRANKFURT/MAIN, Germany (Federal Republic of) .

Aims: Research in the field of energy conversion, and distribution, engineering environment and electronic applications for documentation. (Orientation: scientific, technological.)
NAME: Frau I. SCHNEIDER, Leiterin der Dok-Abteilung, (0611) 6679204.

Primary Information:

- Periodicals, Reports.
- Technische Mitteilungen AEG-Telefunken, freq. 7, available.
- Wissenschaftliche Berichte AEG-Telefunken, freq. 4, available.
- Datenverarbeitung AEG-Telefunken, freq. 3, available.

Documentation:

- Query answering, restricted.
- Retrospective research, no access.
- Library services, restricted.

Trade and professional organisation

0180

ARBEITSGEMEINSCHAFT ENERGIEBILANZEN
Sternstrasse, 9-11, D-4000 DUESSELDORF, Germany (Federal Republic of) .

Aims: Co-operation of all federal associations of energy producers and three energy-economics institutes in the compilation and publication of amended energy balances for the FR Germany. (Orientation: economic.)
NAME: Dr. Christoph OCHSENFARTH, Dipl.-Chem, Head of the documentation; tel.(0211) 44 53 36.

Primary Information:

- Reports, Statistical information.
- Energiebilanzen der BRD, freq. 1, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0181

ARBEITSGEMEINSCHAFT FERNWAERME (AGFW) E.V. BEI DER VEREINIGUNG DEUTSCHER ELEKTRIZI-TAETSWERKE
Kennedyallee, 89, D-6000 FRANKFURT/Main 70, Germany (Federal Republic of) .

Aims: "Arbeitsgemeinschaft Fernwaerme" is a work-shop group promoting district heating, providing exchange of experiences among member companies and editing primary publications in the corresponding field. Being the association of district heating operating firms, the AGWF is also the official representative to the authorities and to the public. (Orientation: scientific, technological, economic, legal.)

Primary Information:

- Periodicals, Books, Others.
- Fernwaerme International, freq. 6, available.

Trade and professional organisation

0182

BUNDESVERBAND DER DEUTSCHEN GAS-UND WASSERWIRTSCHAFT E.V. (BGW)
Theodor-Heuss-Allee, 90-98, Postfach 900946, D-6000 FRANKFURT/Main, Euskirchener strasse, 80, Postfach 52, D-5300 BONN/Germany (Federal Republic of).

Aims: Association with the task to co-operate in the economical, reliable and profitable supply of the public with gas and water; to promote the common interests of its member firms in economic, judicial, scientific-technical and organization questions; to represent the common goals of the members with respect to public corporations and the authorities; to foster the exchange of experiences and operating results among members and to co-operate with the other branches of gas and water utilisation, corresponding industries and their organizations. (Orientation: economic, legal.)

Primary Information:

- Periodicals, Reports, Bulletins, Statistical information.
- BGW-Informationsbrief, freq. 12, not available.
- BGW-Schriftenreihe, available.
- GWF Das Gas-und Wasserfach (Mitherausgeber), freq. 12, available.
- BGW-Jahresbericht, freq. 1, available.
- BGW-Gasstatistik, freq. 1, available.
- BGW-Wasserstatistik, freq. 1, available.
- Allgemeine Gastarife in der Bundesrepublik Deutschland, freq. 1, available.
- Allgemeine Wassertarife in der Bundesrepublik Deutschland, freq. 1, available.
- BGW-Zahlenspiegel Gas und Wasser, freq. 1, available.

Trade and professional organisation

0183

DEUTSCHER BRAUNKOHLLEN-INDUSTRIE-VEREIN

Apostelnkloster, 21/25, D-5000 KOELN, Germany (Federal Republic of) .

Aims: Exchanges of technical and economical experiences, organisation and coordination of research and development projects; documentation in the fields of brown coal opencast mining and utilisation; establishing and maintaining contacts with authorities and ministries. (Orientation: scientific, technological, economic, legal.)

NAME: Herr Hans-Gerhard WILLING, Dr. Wido TILMANN, Managing directors; tel.(0221) 2033-1.

Primary Information:

- Periodicals, Conference proceedings, Statistical information, Others.
- Braunkohle-Tage bautechnik, Energieversorgung, freq. 12, available.
- Braunkohle-Informationen, freq. 24, available.
- Conference proceedings, not available.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
- DEBRIV-Dokumentation, freq. 6
- Translation services, restricted.
- Consultant services, restricted.

Trade and professional organisation

0184

DEUTSCHES ATOMFORUM E.V

Allianplatz, 10, D-5300 BONN 1, Germany (Federal Republic of) .

Aims: To promote the peaceful uses of nuclear energy. (Orientation: technological, economic.)

NAME: Dr G. BRUECK, Head of the Press and Information Service; tel.(02221) 21-30-31.

Primary Information:

- Periodicals, Conference proceedings, Others.
- Atominformationen, freq. 11, available.

Documentation:

- Query answering, not restricted.

Information purveyor

0185

DOKUMENTATION MASCHINENBAU E.V. (DOMA)

Lyoner Str., 16, D-6000 FRANKFURT/Main, Germany (Federal Republic of) .

Aims: Information and documentation centre for the special branch "Mechanical Engineering" and related domains. Covering, indexing and storage (documentation) of the special literature. (Orientation: scientific, technological.)

NAME: Ing. (grad) Peter GENTH, Head of the documentation; tel.(0611) 6603-1; tex.041 1321.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Abstracting journals, not restricted.
- Maschinenbau, Teildienst M2, freq. 52
- Bibliographies, not restricted.

Research centre

0186

FORSCHUNGSGEMEINSCHAFT FUER HOCHSPANNUNGS-UND HOCHSTROMTECHNIK E. V. (FGH)

Hallenweg, D-6800 MANNHEIM 81, Germany (Federal Republic of) .

Aims: The scope of the FGH is scientific research and clarification of all questions and phenomena which may occur in the planning state and during erection and operation of power supply systems, especially in the case of high voltage and high power techniques. By the activity of the FGH the efficiency and security of power supply shall be increased, and the development and conservation of the high technical standard of systems for power supply with its industrial products shall be ensured. (Orientation: scientific, technological.)

NAME: Dr.-Ing. Karl-Heinz SCHNEIDER, Head of the institution; tel.(0621) 89 50 51; tex.462 279 FGH D; cab.Megavolt Mannheim.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- FGH-Information, Fachbereich 1, freq. 6, not available.
- Monatsbericht, Fachbereich 2, freq. 6, not available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Research centre

0187

GESELLSCHAFT FUER PRAKTISCHE ENERGIEKUNDE E.V.

Forschungsstelle fuer Energiewirtschaft

Am Bluetenanger, 71, D-8000 MUENCHEN 50, Germany (Federal Republic of) .

Aims: Rational supply and utilisation of energy; technical studies and systematical analyses of energy consuming installations; influences on the environment caused by energy technique; micro and macro analysis and forecast of energy demand. (Orientation: scientific, technological, economic.)

NAME: Prof. Dr. Helmut SCHAEFER, Head of the Institute; tel.(089) 150 23 08.

Primary Information:

- Reports, available.
- Conference proceedings, available.

Research centre

0188

GESELLSCHAFT FUR KERNFORSCHUNG MBH (GFK)

Postfach 3640, D-7500 KARLSRUHE, Germany (Federal Republic of) .

Aims: The society operates the Nuclear Research Centre of Karlsruhe: an important research institution supported by the Federal Republic of Germany and the Land Baden-Wuerttemberg. This Nuclear Research Centre concerns itself mainly with projects in the field of applied research and accomplishes in this way important tasks in the public interest. (Orientation: scientific.)

Primary Information:

- Periodicals, Reports.
- KFK-Nachrichten,, freq. 4, available.
- KFK-Hausmitteilungen,, freq. 6, not available.

Documentation:

- Library services, restricted.

Trade and professional organisation

0189

GROSSABNEHMERVERBAND ELEKTRISCHER ENERGIE BADEN-WURTTENBERG E.V.

Breitingstrasse, 35, D-7000 STUTTGART 80, Germany (Federal Republic of) .

Aims: Organization to safeguard the energy economics interests of its members. Energy economics consultancy; exchange of experiences. (Orientation: economic.)

Primary Information:

- Informationsbriefe, freq. 4-6, not available.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

Research centre

0190

IFO-INSTITUT FUER WIRTSCHAFTSFORSCHUNG

Poschingerstrasse, 5, Postfach 860 460, D-8000 MUENCHEN 86, Germany (Federal Republic of) .

Aims: Survey, analysis and short-term forecasting of the economic development in the Federal Republic of Germany and abroad. Analysis of the economic factors affecting the development of industry, construction and trade. Application of new methods by the IFO-Institute for the evaluation of economic data and investments. (Orientation: economic.)

NAME: Dipl.-Volkswirt Peter RAMMNER, Referent fuer Energiefragen und Rohstoffversorgung; tel.(089) 92241; tex.5.22.269.

Primary Information:

- Periodicals, Reports, Statistical information.
- Wirtschaftskonjunktur, freq. 12,4, available.
- IFO-Schnelldienst, freq. 36,4, available.
- IFO-Konjunkturperspektiven, freq. 12,4, available.
- IFO-Spiegel der Wirtschaft, freq. 1, available.
- IFO-Studien, freq. 2, available.
- Struktur und Wachstum-Reihe Industrie, available.
- Investitions-Berichte, not available.

Documentation:

- Retrospective research, not restricted.
- Library services, not restricted.
- Information analysis and synthesis services, not restricted.

Information purveyor

0191

IG BERGBAU UND ENERGIE

Hauptverwaltung/Pressearchiv und Bibliothek

Alte Hattinger Strasse, 19, Postfach 1229, D-4630 BOCHUM, Germany (Federal Republic of) .

Aims: Compilation of literature. Domains: Trade Unions, Mining, Energy, Economics, Socialism, Social Policies, Politics, Work Law. (Orientation: economic, legal.)

NAME: Herr Aloys SIEVERS; tel.(0234) 31 91; tex.08-25809.

Documentation:

- Query answering, not restricted.
- Library services, restricted.

Research centre

0192

INSTITUT FUER ENERGIEWANDLUNG UND ELEKTRISCHE ANTRIEBE

Pfaffenwaldring, 38-40, D-7000 STUTTGART 80, Germany (Federal Republic of) .

Aims: Conversion, transformation and storage of energy: 1) Thermionic low temperature converter 2) Hydrogen as a secondary energy source 3) Autonomous energy supply units 4) Systems for the utilisation of solar energy 5) Studies and analyses of future energy supply systems. (Orientation: scientific, technological.)

NAME: Dr. Hasso WICHMANN; tel.(0711) 7 83 21; tex.07/255 689.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

0193

INSTITUT FUER ERDOELFORSCHUNG

Am Kleinen Felde, 30, D-3000 HANNOVER, Germany (Federal Republic of) .

Aims: Research in the field of origination, production, processing and application of mineral oil and oil products. (Orientation: scientific.)

NAME: Priv.-Doz. Dr. H.J. NEUMANN; tel.(0511) 71 23 47/48.

Primary Information:

- Reports, Theses and dissertations.
- Taetigkeitsbericht des Instituts fuer Erdoelforschung, freq. 1, available.

University and educational establishment

0194

INSTITUT FUER WELTWIRTSCHAFT AN DER UNIVERSITAET KIEL ZENTRALBIBLIOTHEK DER WIRTSCHAFTSWISSENSCHAFTEN IN DER REPUBLIK DEUTSCHLAND

Duesternbrosker Weg 120-122, Post fach 4309, D-2300 KIEL 1, Germany (Federal Republic of) .

Aims: Literature on energy is not especially collected. The central library of economic sciences is collecting journals on all economic aspects including economics of energy. (Orientation: economic.)

NAME: Dr. Erwin HEIDEMANN; tel.(0431) 884-1; tex.02 92479.

Primary Information:

- Others.
- Bibliographie der Wirtschaftswissenschaften, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.

Research centre

0195

INSTITUTSGEMEINSCHAFT FUER DIE TECHNISCHE NUTZUNG SOLARER ENERGIE

Breitscheidstrasse, 3, D-7000 STUTTGART 1, Germany (Federal Republic of) .

Aims: Investigation and development of energy conversion methods which are interesting for the conversion of solar energy into a practically useful form of energy. Optimisation of components and systems with respect of their economic use. (Orientation: technological.)

NAME: Prof. Dr. Günther LEHNER; tel.(0711) 207 33 77-378; tex.0721703.

Primary Information:

- Reports, available.

Information purveyor

0196

KRUPP-KOPPERS

Bibliothek der Krupp-Koppers GmbH

Moltkestrasse, 29, Postfach 8, D-4300 ESSEN 1, Germany (Federal Republic of) .

Aims: In the "energy" field, Krupp-Koppers is working in planning and construction of plants for upgrading pit coal, mineral oil processing and gas production. (Orientation: technological.)

NAME: Herr G. REICH, Head of Library; tel.(0201) 280 13 57; tex.08 57 817; cab.Krupp-Koppers.

Documentation:

- Library services, not restricted.

National administration and decision making body

0197

LAND NORDRHEIN-WESTFALEN

Der Minister für Wirtschaft, Mittelstand und Verkehr/Abteilung III/Gruppe III-B Energie-und Bergwirtschaft/Gruppe III-C Energietechnik

Haroldstrasse, 4, Postfach 1144, D-4000 DUESSELDORF 1, Germany (Federal Republic of) .

Aims: Fundamental questions and problems of law in energy policies and mining industry, especially mineral coal and brown coal mining; electricity and gas economics; mineral oil as an energy resource. Fundamentals of energy technique. Promotion of technical development in the energy sector and in mining; atomic energy economy, nuclear techniques. (Orientation: technological, economic, legal.)

NAME: Ministerialdirigent Georg PITZ, Head of Department; tel.(0211) 8 30 21; tex.08582728.

Primary Information:

- Reports.
- Schriftenreihe "Energiepolitik in NRW", not available.

Documentation:

- Library services, not restricted.

Trade and professional organisation

0198

MINERALOELWIRTSCHAFTSVERBAND E.V. (MWV)

Steindamm, 71 xii, D-2000 HAMBURG 1, Germany (Federal Republic of) .

Aims: Maintenance and promotion of the general interests, both ideal and economical, of member firms particular in relation to the authorities, to public corporations and economic associations. (Orientation: economic.)

NAME: Dr. Herbert KRAFT/Dr. P.A. BLOCK, Abt. Volkswirtschaft und Energie (Dept. of Political Economy and Energy); tel.(040) 2 80 11 41; tex.2 162 257.

Primary Information:

- Periodicals, Statistical information.
- Jahresbericht, freq. 1, available.
- Mineraloelzahlen, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

0199

STATISTIK DER KOHLENWIRTSCHAFT E.V

Gesamt Verband des Deutschen Steinkohlenbergbaus

Glückaufhaus/Friedrichstrasse, 1, D-4300 ESSEN, Germany (Federal Republic of) .

Aims: 1) Survey, compilation and interpretation of all statistics in coal mining economy requested by the authorities. 2) To take care of the interests of the coal mining industry especially in the field of economic and energy policies.. (Orientation: economic.)

NAME: Reg. Rat a.D., Dipl. Volksw. Hellmut DANIELZIG/Dr. rer. occ. Harald B. GIESEL, Geschäftsführer (Managing directors); tel.(0201)10 52 08/10 54 29; tex.0857830.

Primary Information:

- Periodicals, Statistical information.
- Zur Lage des Stein-und Braunkohlenbergbaus in der Bundesrepublik Deutschland, freq. 6, available.
- Zahlen zur Kohlenwirtschaft, freq. 3, available.
- Der Kohlenbergbau in der Energiewirtschaft der Bundesrepublik, freq. 1, available.
- Jahresbericht, freq. 1, available.
- Daten und Tendenzen, available.

Documentation:

- Query answering, not restricted.
- Translation services, restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Information purveyor

0200

STEINKOHLBERGBAUVEREIN (INCL. BERGBAU-FORSCHUNGS-GMBH)

Frillendorfer Str., 351, D-4300 ESSEN 13, Germany (Federal Republic of) .

Aims: Association to foster the German pit coal industry (including the upgrading and utilisation of pit coal) in the scientific and technical domains, with special regard to the execution of comprehensive research programmes by its research institute, the Bergbau-Forschungs-GmbH. (Orientation: scientific, technological, economic, legal.)
NAME: Bergassessor Hans W. BURCKHARDT; tel.(0201) 105 94 59.

Primary Information:

- Periodicals, Books, Reports.
- Zeitschrift "Glueckauf", freq. 24, available.
- Glueckauf-Forschungshefte, freq. 6, available.
- Kurznachrichten aus Bergtechnik u. Kohleveredlung, freq. 4, available.
- Jahresbericht des Steinkohlenbergbauvereins, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Trade and professional organisation

0201

TECHNISCHE VEREINIGUNG DER GROSSKRAFTWERKS BETREIBER E.V. (VCB)

Klinkestr., 27-31, Postfach 1791, D-4300 ESSEN, Germany (Federal Republic of) .

Aims: The aim of the V.G.B. is to group together enterprises depending on power technology, to provide and increase the reliability and the continued availability of power plants in existence or under construction. The V.G.B. contributes to the standardization and the setting up of technical guidelines and rules concerning power plants. Moreover, the V.G.B. operates in the framework of legal regulations dealing with pressure vessels. (Orientation: scientific, technological.)

NAME: Herr BIESSMANN, Hauptabteilungsleiter; tel.(0201) 198290-291; tex.08 57 507 vgb d.

Primary Information:

- Periodicals, Books, Conference proceedings, Bulletins, Statistical information, Others.
- VGB-KRAFTWERKSTECHNIK, freq. 12, available.
- VGB-INFORMATIONEN, freq. 6, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.
- Library services, restricted.

Information purveyor

0202

TECHNISCHE WERKE DER STADT STUTTGART AG

Fachbücherei

Lautenschlagerstrasse, 21, Postfach 793, D-7000 STUTTGART 1, Germany (Federal Republic of) .

Aims: Production, Distribution and Supply of Electricity, Gas, Water and District Heating (Utility Company). (Orientation: scientific, technological, economic.)

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0203

UNIVERSITAET KARLSRUHE

Engler-Bunte-Institut

Richard Willstaetter-Allee, 5, D-7500 Postfach 6380 KARLSRUHE 1, Germany (Federal Republic of) .

Aims: University Institute occupied with technology and chemistry of fuels as well as with combustion science and engineering. (Orientation: scientific, technological.)

NAME: Dr. FUCHS; tel.(0721) 6 08 25 55; tex.07 826 521.

Primary Information:

- Theses and dissertations, Bulletins, Others.
- Annual Report on the activities of the Institute containing reports on main papers as well as list of publications (since 1960), freq. 1, available.

Documentation:

- Library services, not restricted.
- Consultant services, not restricted.

Research centre

0204

UNIVERSITAET KOELN

Institut fuer Energierecht

Zuelpicher Strasse, 83, D-5000 KOELN 41, Germany (Federal Republic of) .

Aims: Institute serving independant research and education within the organization frame of the Faculty of Law. Its objectives are: to study scientifically the problems of energy law; to foster energy law as a subject of instruction at the University; to familiarize scientifically interested experts in energy economy with questions of energy law, and to solve such problems. (Orientation: scientific, economic, legal.)

NAME: Prof. Dr. Bodo BOERNER, Head; tel.(0221) 41 83 30.

Primary Information:

- Books, Theses and dissertations.
- Veroeffentlichungen des Instituts für Energierecht an der Universitaet zu Koeln, freq. irreg. serial, available.

Documentation:

- Library services, not restricted.

University and educational establishment

0205

UNIVERSITAET STUTTGART

Institut fuer Kernenergetik (IKE)

Pfaffenwaldring, 31, D-7000 STUTTGART 80, Germany (Federal Republic of) .

Aims: Research, Project management, teaching. (Orientation: scientific, technological, economic.)

NAME: Prof. Dr. K. H. HOECKER/P. HOLDER, Director/Geschaefsfuehrer (Manag. Dir.); tel.(0711) 784 35 92.

Primary Information:

- Periodicals, Reports.
- IKE reports, available.

Documentation:

- Library services, not restricted.

Information purveyor

0206

UNIVERSITAETSBIbliothek DER TECHNISCHEN UNIVERSITAET BERLIN

Dokumentations-und Informationsstelle fuer Elektrotechnik/"Elektro-Information Berlin"

Rognitz Strasse, 8, D-1000 BERLIN 19, Germany (Federal Republic of) .

Aims: Clearinghouse both regional for Berlin and inter-regional, for colleges and universities in particular, in the field of electrotechnique, including measurement and control, informatics and energy technology. (Orientation: scientific, technological.)

NAME: Dipl.-Ing. Kurt PENKE, Head of the documentation division; tel.(030) 258061, Ext. 387; tex.01 83 604.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Dokumentation Regelungstechnik, freq. 12
- Bibliographies, not restricted.

Public and private energy enterprise

0207

VARTA-BATTERIE AG

Gundelhardstrasse 72, Postfach 1620, D-6233 KELKHEIM/Taunus, Germany (Federal Republic of) .

Aims: Research and development in the field of galvanic cells. (Orientation: scientific, technological, economic.)

NAME: Dipl.-Ing. Franz KRAEMER, Direktor; tel.(06195) 802310; tex.04 10502.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings.
- VARTA spezial-report, freq. 6, available.
- VARTA Fachbuchreihe, available.
- Veroeffentlichungen aus der VARTA Batterie AG, available.

Documentation:

- Query answering, no access.
- Retrospective research, no access.
- Library services, no access.
- Abstracting journals, no access.
- Translation services, no access.
- Consultant services, no access.
- Information analysis and synthesis services, no access.

Trade and professional organisation

0208

VERBAND DER ENERGIE-ABNEHMER E.V. (VEA)

Schützenallee, 5, Postfach 810704, D-3000 HANNOVER 81, Germany (Federal Republic of) .

Aims: Safeguarding the energy economics interests, energy economics consultancy, information and representation of commercial enterprises; proposals for rational utilisation of energy, exchange of experiences by means of seminars. Concentrating on operational power and heat supply including gas and water problems. (Orientation: economic.)

NAME: Dr.-Ing. Klaus DEPARADE, Geschaefsfuehrer (Managing director); tel.(0511) 83 09 53; tex.09 22 213.

Primary Information:

- Periodicals, Reports, Statistical information.
- Betriebstechnik (Verbandsorgan) (Techn. Verlag Resch), freq. 12, available.
- Mitgliederrundbriefe (allgemein), freq. 3, available.

- Strompreisvergleiche, freq. 2, available.

Documentation:

- Consultant services, restricted.

Information purveyor

0209

VEREIN DEUTSCHER INGENIEURE (VDI)

VDI-Dokumentation/Fachdokumentation Heizung-Lüftung-Klimatechnik

Graf-Recke-Strasse, 84, Postfach 1139, D-4000 DUESSELDORF 1, Germany (Federal Republic of).

Aims: Information and documentation centre for the special branches "Heating, Ventilating and Air Conditioning Technology". (Orientation: scientific, technological.)

NAME: Ingenieur Manfred KNOECHNER, Head of the documentation; tel.(0211) 6 21 4 (1)-484; tex.08 58 6525; cab.Ingenieurverein Düss.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

Trade and professional organisation

0210

VEREIN DEUTSCHER INGENIEURE (VDI)

VDI-Gesellschaft Energietechnik

Graf-Recke-Strasse, 84, Postfach 1139, D-4000 DUESSELDORF 1, Germany (Federal Republic of).

Aims: Promotion of professional education and training. Exchange of experiences by team work. Determination of standards. Performance of sessions, courses and seminars. Initiation and execution of research studies. (Orientation: scientific, technological, economic.)

NAME: Dr.-Ing. Wilhelm LENZ, Geschäftsführer; tel.(0211) 6214 (1) 219; tex.08 58 65 25; cab.Ingenieurverein Düss.

Primary Information:

- Reports, Conference proceedings, Others.
- Fortschritt-Berichte VDI-Zeitschrift, available.
- VDI-Berichte, available.
- VDI-Richtlinien, available.

Trade and professional organisation

0211

VEREINIGUNG DEUTSCHER ELEKTRIZITAETSWERKE-VDEW-E.V

Stresemannallee, 23, Postfach 700947, D-6000 FRANKFURT 70, Germany (Federal Republic of).

Aims: VDEW is the main association of the public electricity suppliers in the Federal Republic of Germany. It represents the interests of its members vis à vis federal authorities, associations and other institutions as well as the general public in Germany and abroad. The aim is to foster the provision of electricity. VDEW promotes corporation between the electricity suppliers and facilitates the exchange of experience in the technical, economic and legal fields. (Orientation: technological, economic, legal.)

NAME: D. TEGETHOFF, Geschäftsführer; tel.(0611) 6304-1; tex.411 284; cab.Eltvereinigung.

Primary Information:

- Periodicals, Books, Reports, Bulletins, Statistical information, Others.
- Arbeitsbericht der VDEW, available.
- Zeitschrift Elektrizitätswirtschaft, available.
- Zeitschrift Atom and Strom, available.
- VDEW-Jahresstatistik, available.
- Die öffentliche Elektrizitätsversorgung, available.
- VDEW-Störungs-und Schadensstatistik, available.
- VDEW-Mitgliederrundschreiben, not available.
- Informationsdienst id, available.
- Übersicht Allgemeine Tarifpreise für elektrische Energie, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, no access.
- Consultant services, no access.

Trade and professional organisation

0212

VEREINIGUNG INDUSTRIELLE KRAFTWIRTSCHAFT (VIK)

Richard-Wagner-Strasse, 41, D-4300 ESSEN, Germany (Federal Republic of).

Aims: Association to promote industrial energy economy in general and to safeguard the common energy economics interests of its members in particular, especially by: scientific technical research, compilation and exchange of operating results; representation of above interests at the authorities and other institutions. (Orientation: scientific, technological, economic, legal.)

Primary Information:

- Reports.
- Taetigkeitsbericht, freq. 1, available.
- VIK-Mitteilungen, freq. 6, available.

Trade and professional organisation

0213

WIRTSCHAFTSVEREINIGUNG BERGBAU E.V

Zitelmannstrasse 9-11, Postfach 120 280, D-5300 BONN 12, Germany (Federal Republic of) .

Aims: Defence and representation of the general interests of German mining industries as well as consultant services for the members in the framework of the general problems which are submitted to the organisation by its partners. (Orientation: economic, legal.)

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Abstracting journals, no access.
- Consultant services, no access.

Information purveyor

0214

ZENTRALSTELLE DOKUMENTATION ELEKTROTECHNIK E.V. BEIM VDE (ZDE)

Merianstrasse, 27, D-6050 OFFENBACH/Main, Germany (Federal Republic of) .

Aims: Information and documentation centre for the special branch "electrotechnique". Coverage, indexing and storage (documentation) of the special literature. (Orientation: scientific, technological.)

NAME: Dipl.-Ing. Lothar TESCHKE, Geschaefstfuehrer (Managing director); tel.(0611) 83061; tex.04 152 678.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Abstracting journals, not restricted.
 - Literaturdienst Z5: Energiewirtschaft, Stromerzeugung
 - Literaturdienst Z6: Energieuebertragung und-verteilung
 - Literaturdienst Z8: Elektromaschinen
 - Literaturdienst Z7: Stromrichtertechnik, Transformatoren, Stromversorgungsanlagen
 - Literaturdienst Z4: Kerntechnik, Reaktor-elektrotechnik
- Bibliographies, not restricted.

Information purveyor

0215

ZENTRALSTELLE FUR ATOMKERNENERGIE-DOKUMENTATION (ZAED)

Kernforschungszentrum, D-7514 EGGENSTEIN-LEOPOLDSHAFFEN 2, Germany (Federal Republic of) .

Aims: The ZAED is the national information and documentation centre in the field of nuclear research and technology and related fields and acts on behalf of the Ministry for Research and Technology (BMFT). As a preliminary stage of the planned Sectoral Information Centre Energy, Physics, Mathematics, the ZAED in cooperation with its partners Zentralstelle für Luft-und Raumfahrt-Dokumentation und-information (ZLDI) an Physikalische Berichte (PB) offers comprehensive information services in the whole field of energy. (Orientation: scientific, technological, economic, legal.)

NAME: Dr. Werner RITTBERGER, Direktor; tel.07247/82 3800; tex.7826484.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations, Bulletins, Statistical information, Others.
- Forschungsberichte des BMFT, Reihe Kernforschung und Reihe Datenverarbeitung.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Internationales Nukleares Informationssystem (INIS)
 - Informationen zur Kerforschung und Kerntechnik (IKK)
 - Konferenztermine aus dem Fachbereich Energie, Physic, Mathematik (KEPM)
 - High Energy Physics Index (HEP)
 - Plasma Physics Index (PPI)
 - Surface and Vacuum Physics Index (SVPI)
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

0216

ZENTRUM BERLIN FUER ZUKUNFTSFORSCHUNG E.V. (ZBZ)

Giesebrechtstrasse, 15, D-1000 BERLIN 12, Germany (Federal Republic of) .

Aims: Association to forecast the future by scientific means and methods, on an interdisciplinary basis; to search for alternatives securing a positive and rapidly progressing evolution of human civilization. (Orientation: scientific, technological, economic.)
NAME: Diplom-Kaufm. Hans BUCHHOLZ, Geschäftsführer; tel.(030) 883 88 71; tex.184815 ifz d.

Primary Information:

- Periodicals, Reports.
- Analysen und prognosen, freq. 6, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

IRELAND

Research centre

0217

AFF-AN FORAS FORBARTHA (NATIONAL INSTITUTE FOR PHYSICAL PLANNING AND CONSTRUCTION RESEARCH)

Baggot Street, DUBLIN 1, Ireland .

Aims: Research and physical planning and construction research. (Orientation: technological, economic.)

NAME: Mr. N. HUGHES, Librarian; tel.Dublin 76 42 11.

Primary Information:

- Reports, Conference proceedings, Bulletins, Statistical information.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0218

AFT-AN FORAS TALUNTAIS

Sandymount avenue, DUBLIN, Ireland .

Aims: Research, Education. (Orientation: technological, economic.)

NAME: Mr. VAL REILLY, Information Officer; tel.Dublin 69 32 22.

Primary Information:

- Reports, Theses and dissertations.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Financial institution

0219

ALLIED IRISH BANKS LTD

Lansdowne House, Ballsbridge, DUBLIN 4, Ireland .

Aims: Banking Services. (Orientation: economic.)

NAME: Miss Brid FITZPATRICK, Librarian; Oldbrook House, 24/32 Pembroke Road, Ballsbridge, 4 DUBLIN, Ireland; tel.Dublin 785522.

Primary Information:

- Reports, Statistical information.

Documentation:

- Library services, restricted.

Financial institution

0220

BANK OF IRELAND

Lower Baggot St, DUBLIN 2, Ireland .

Aims: Banking Services. (Orientation: economic.)

NAME: Mr. Dermot FINUCANE, Librarian; tel.Dublin 785744; cab.“Bank“ Dublin.

Primary Information:

- Reports, Statistical information.

Documentation:

- Library services, restricted.

National administration and decision making body

0221

BORD GAIS EIREANN

BGE/Irish Gas Board

South Mall, 12, CORK, Ireland .

Aims: BGE has the powers and duties normally exercised by national gas authorities including the power to acquire and distribute natural gas and power pipelines for national distribution of natural gas. (Orientation: technological, economic.)
NAME: Mr. P. DUGGAN, Secretary; tel.Cork 20397; tex.6155.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0222

BORD NA MONA

(BNM)/Irish Peat Board

Uppr. Pembroke St., 28, DUBLIN 2, Ireland .

Aims: The production of peat fuel for use in power stations and for general industrial and domestic consumption. (Orientation: technological, economic.)
NAME: Mr. J. COOKE, Information Officer; BNM, Newbridge (Scientific Office) NEWBRIDGE, Co. Kildare, Ireland; tel.Newbridge 31201.

Primary Information:

- Reports, Statistical information.

Documentation:

- Query answering, not restricted.
- Abstracting journals, not restricted.
 - Peat Abstracts, freq. 4
- Bibliographies, not restricted.

Non-energy enterprise with strong interest in energy

0223

CEIMICI TEORANTA

Fitzwilton House, Wilton Terrace, DUBLIN 2, Ireland .

Aims: Manufacture and sale of products made by chemical processes. (Orientation: scientific, technological.)
NAME: Miss Geraldine IRWIN, Librarian; tel.Dublin 764341/4.

Primary Information:

- Reports.

Documentation:

- Library services, restricted.

National administration and decision making body

0224

CENTRAL BANK OF IRELAND

Foster Place, DUBLIN 2, Ireland .

Aims: Safeguards the integrity of Irish Currency Reports regularly on monetary and economic developments. (Orientation: economic, legal.)
NAME: The Secretary; Fitzwilton House, Wilton Terrace, 2 DUBLIN, Ireland; tel.Dublin 762775; tex.5326.

Primary Information:

- Reports, Bulletins.

Documentation:

- Query answering, not restricted.

National administration and decision making body

0225

CENTRAL STATISTICS OFFICE (CSO)

St. Stephens Green House, DUBLIN 2, Ireland .

Aims: To collect, compile, analyse and publish statistics relating to the various aspects of the social and economic life of the country. (Orientation: economic, legal.)
NAME: Mr. J. B. BRODERICK, Deputy Director; tel.Dublin 767531.

Primary Information:

- Reports, Statistical information.

Documentation:

- Query answering, not restricted.

- Non-energy enterprise with strong interest in energy** **0226**
CORAS IOMPAIR EIREANN (C.I.E.)
Heuston Station, DUBLIN 4, Ireland .
Aims: The main authority for the provision of public transport within the state. (Orientation: technological, economic.)
NAME: Mr. Lucas COLLINS, Assistant General Manager Engineering Projects; tel.Dublin 771871.
Primary Information:
● Reports, Statistical information.
Documentation:
● Library services, restricted.
- National administration and decision making body** **0227**
DEPARTMENT OF FINANCE
Finance Division
Government Buildings, Upper Merrion St, DUBLIN 2, Ireland .
Aims: To administer public finance policy in Ireland. (Orientation: economic, legal.)
NAME: Mr. S.P. O'MUIREADAIGH, Assistant Secretary; tel.Dublin 767571.
Primary Information:
● Reports, Statistical information.
Documentation:
● Query answering, not restricted.
- National administration and decision making body** **0228**
DEPARTMENT OF FOREIGN AFFAIRS
Information Section
St. Stephen's Green, 80, DUBLIN 2, Ireland .
Aims: To disseminate information abroad on Ireland, and Irish Life. (Orientation: economic, legal.)
NAME: Mr. J. SWIFT, Counsellor; tel.DUBLIN 780822.
Primary Information:
● Bulletins, Statistical information.
Documentation:
● Query answering, not restricted.
- National administration and decision making body** **0229**
DEPARTMENT OF INDUSTRY AND COMMERCE
Kildare St, DUBLIN 2, Ireland .
Aims: Control and development of all aspects of Industrial life. (Orientation: technological, economic, legal.)
NAME: Mr. Colin BIRD, Information Officer; tel.Dublin 789411; tex.4851.
Primary Information:
● Reports, Statistical information.
Documentation:
● Query answering, not restricted.
- National administration and decision making body** **0230**
DEPARTMENT OF INDUSTRY AND COMMERCE
Geological Survey
Hume Street, 14, DUBLIN 2, Ireland .
Aims: Geological Survey of Ireland. (Orientation: scientific, technological.)
NAME: Mrs. Mary WALSH, Librarian; tel.Dublin 760855.
Primary Information:
● Reports, Bulletins.
Documentation:
● Query answering, not restricted.
● Library services, no access.
- National administration and decision making body** **0231**
DEPARTMENT OF INDUSTRY AND COMMERCE
Patents Office
Merrion Sq., 45, DUBLIN 2, Ireland .

Aims: Issue of Patents for inventions and registration of trade marks and designs. (Orientation: technological, economic, legal.)
NAME: The Comptroller; tel.Dublin 760341/4.

Primary Information:

- Trade mark and Patent Journal, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

National administration and decision making body
DEPARTMENT OF TRANSPORT AND POWER

0232

Energy Division

Kildare Street, DUBLIN 2, Ireland .

Aims: Exercises control over state-sponsored bodies dealing with aviation, transport, shipping, turf production and electricity. (Orientation: scientific, technological, economic.)

NAME: Mr. J. O'CALLAGHAN, Asst. Principal Officer of Division; tel.Dublin 789522.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

National administration and decision making body
DEPARTMENT OF TRANSPORT AND POWER

0233

The National Committee for Geodesy and Geophysics

Kildare Street, DUBLIN 2, Ireland .

Aims: A committee drawn from scientific institutes and universities to carry out research work. (Orientation: scientific, technological.)

NAME: Mr. J. BYRNE, Secretary to Committee; tel.Dublin 778251/744433.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

Research centre

0234

THE ECONOMIC AND SOCIAL RESEARCH INSTITUTE (ESRI)

4 Burlington Road, DUBLIN, Ireland .

Aims: Research on social and economic topics. (Orientation: economic.)

NAME: Mr. F. CULLAN, Librarian; tel.Dublin 76 01 15.

Primary Information:

- Reports, Theses and dissertations, Bulletins, Statistical information.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Public and private energy enterprise

0235

ELECTRICITY SUPPLY BOARD

(ESB)

Lower Fitzwilliam Street, 27, DUBLIN 2, Ireland .

Aims: Generation and supply of electricity. (Orientation: technological.)

NAME: The Information Officer; tel.Dublin 765831/771821.

Primary Information:

- Reports, Statistical information.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Research centre

0236

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)

Building Industry Division

Ballymun Road, DUBLIN 9, Ireland .

Aims: To promote the application of science and technology in Irish industry. (Orientation: technological.)
NAME: Mr. Donal P. DELANY, Information Officer; tel.Dublin 370101; tex.5449; cab.Research, Dublin.

Primary Information:

- Reports, Bulletins.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Research centre

0237

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)

Standards Information Service
Ballymun Road, DUBLIN 9, Ireland .

Aims: To promote the application of science and technology in Irish Industry. (Orientation: technological, legal.)
NAME: Mr. W. BURNS, Information Officer; tel.Dublin 370101; tex.5449; cab.Research, Dublin.

Primary Information:

- Reports, Others.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0238

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)

Technical Information Division
Ballymun Road, DUBLIN 9, Ireland .

Aims: To promote the application of science and technology in Irish industry. (Orientation: scientific, technological, economic.)
NAME: Mr. D.T. TOOMEY, Head, Information Analysis Department; tel.Dublin 370101; tex.5449; cab.Research, Dublin.

Primary Information:

- Periodicals, Reports, Conference proceedings, Bulletins.
- Technology Ireland, freq. 12, available.
- Engineering Progress, freq. 6, available.
- Building Progress, freq. 6, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

National administration and decision making body

0239

NATIONAL SCIENCE COUNCIL (NSC)
St. Martin's House, Waterloo Road, DUBLIN, Ireland .

Aims: Government sponsored body to provide advice to Government organizations on scientific and technological affairs. (Orientation: scientific.)
NAME: Mr. P. McALLISTER; tel.Dublin 765491.

Primary Information:

- Reports, Conference proceedings.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

0240

NUCLEAR ENERGY BOARD (NEB)
Upper Fitzwilliam St., 27, DUBLIN 2, Ireland .

Aims: To advise the Irish Government on all aspects of Nuclear Energy, and especially in the area of safety. (Orientation: technological, economic, legal.)
NAME: The Secretary.

Documentation:

- Query answering, not restricted.

- University and educational establishment** **0241**
UNIVERSITY COLLEGE DUBLIN (U.C.D.)
Department of Physics
Belfield, DUBLIN 4, Ireland .
Aims: Teaching, Research. (Orientation: scientific.)
NAME: Prof. N. PORTER, Professor of Physics; tel.Dublin 59 32 44.
Primary Information:
● Reports, Theses and dissertations.
Documentation:
● Query answering, not restricted.
- University and educational establishment** **0242**
UNIVERSITY COLLEGE GALWAY (U.C.G.)
Department of Microbiology
University Road, GALWAY, Ireland .
Aims: Teaching, Research. (Orientation: scientific.)
NAME: Prof. L. DUNICAN, Head of Department of Microbiology; tel.091.31.61.
Primary Information:
● Reports, Theses and dissertations.
Documentation:
● Query answering, not restricted.
- University and educational establishment** **0243**
UNIVERSITY COLLEGE GALWAY (U.C.G.)
Department of Physics
University Road, GALWAY, Ireland .
Aims: Teaching, Research. (Orientation: scientific.)
Primary Information:
● Reports, Theses and dissertations.
Documentation:
● Query answering, not restricted.
- University and educational establishment** **0244**
UNIVERSITY OF DUBLIN (T.C.D.)
College Green, DUBLIN 1, Ireland .
Aims: Teaching, Research. (Orientation: scientific.)
NAME: Dr. M. STEPHENSON; Engineering School, TCD DUBLIN 1, Ireland; tel.Dublin 77 29 41.
Primary Information:
● Theses and dissertations.
Documentation:
● Query answering, not restricted.

ITALY

Public and private energy enterprise

0245

AGIP

Attività Minerarie Esplorazione e Produzione Idrocarburi AGIP/AMI-CEDI-Centro Documentazione ed Informazione
Viale De Gasperi, 20097 SAN DONATO MILANESE (MILANO), Italy .

Aims: Collection and selective diffusion of the information on hydrocarbons and other energy sources within the AGIP/AMI. Connexion with other documentation services for exchange of information on the same topics as above. (Orientation: scientific, technological, economic, legal.)

NAME: Prof. Dr. Enrico ANNOSCIA, Head of the Information Centre AGIP/AMI-CEDI-Centro di Documentazione ed Informazione; tel.(02) 53 53 60 74; tex.31246 ENI MILANO; cab.MINERAGIP/.

Primary Information:

- Bulletins, Statistical information, Others.
- Quaderni Segnalazioni statistiche, freq. 3, available.

Documentation:

- Query answering, no access.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.
- Bibliographies, no access.
- Translation services, no access.
- Consultant services, no access.
- Information analysis and synthesis services, no access.

Public and private energy enterprise

0246

AGIP NUCLEARE

Corso di Porta Romana, 68, 20122 MILANO, Italy .

Aims: Operations in Nuclear Fuel Cycle. (Orientation: economic.)

NAME: Dr. Giampaolo BRANCATO, Centro Documentazione; tel.(02) 53.53.1; tex.34192 AGN/MILANO.

Primary Information:

- Reports, not available.
- Statistical information, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Abstracts of press-releases, freq. 50
 - Segnalazioni Stampa, freq. 250
- Translation services, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, restricted.

Information purveyor

0247

ANIC S.P.A. PATENT AND DOCUMENTATION DEPARTMENT

Piazza Boldrini, 1, 20097 SAN DONATO MILANESE (Milano), Italy .

Aims: Supply of information concerning processes, economics, statistics, market, organisation, patent situations, etc. in the petrochemical, chemical, refinery, pharmaceutical and energy fields, mainly for the Research & Development Department of ANIC. (Orientation: technological, economic.)

NAME: Signora Clementina BILLONE, Supervisor for documentation; tel.(02) 53536259; tex.31246 ENI; cab.ANIC MILANO.

Primary Information:

- Bulletins.

- Information bulletin, freq. 46, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, restricted.

Trade and professional organisation

0248

ASSOCIAZIONE ELETTROTECNICA ED ELETTRONICA ITALIANA (AEI)

Ufficio Centrale

V. le Monza, 259, 20126 MILANO, Italy .

Aims: Studies and Research. (Orientation: scientific, technological, economic.)

NAME: Dr. Giovanni RICCA, Segretario del Comitato di Redazione; tel.(02) 25 50 64 1; cab.ASSELITA.

Primary Information:

- Periodicals.
- L'Elettrotecnica, freq. 12, available.
- Alta frequenza, freq. 12, available.

Documentation:

- Query answering, restricted.
- SDI, restricted.

Trade and professional organisation

0249

ASSOCIAZIONE NAZIONALE PER IL CONTROLLO DELLA COMBUSTIONE (ANCC)

Via Urbana, 167, 00184 ROMA, Italy .

Aims: Prevention of Accidents and Fuel Economics. (Orientation: economic.)

NAME: Dr. Ing. G. LAMANNA/Dr. Ing. Giovanni DE BIASE, Direttore/Vice Direttore Servizio Ricerche Studi ed Esperienze (SRSE); Via Torraccio di Torrenova, 7, 00133 ROMA, Italy; tel.(06) 61 51 39 0.

Primary Information:

- Periodicals, Conference proceedings, Bulletins.
- Il Calore, freq. 12, available.
- Bollettino "Addetti Impianti Termici", freq. 4, available.

Documentation:

- Query answering, restricted.
- Abstracting journals, not restricted.
 - "Il Calore", freq. 12
 - "Bollettino Adetti Impianti Termici", freq. 12

Trade and professional organisation

0250

ASSOCIAZIONE NAZIONALE INDUSTRIALI GAS (A.N.I.G.)

V. le Regina Margherita, 290, 00198 ROMA, Italy .

Aims: Trade, economic association. (Orientation: technological, economic.)

NAME: Dr. Alessandro CHIARUSI, Direttore; tel.(06) 85 74 41; cab.GASINDUSTRIA.

Primary Information:

- Periodicals, Conference proceedings, Statistical information.
- Gas, freq. 12, available.
- Compendio dati Statistici, available.
- Atti Convegni Sezione Tecnologica A.N.I.G., freq. 1, available.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0251

ASSOCIAZIONE NAZIONALE INDUSTRIE ELETTROTECNICHE ED ELETTRONICHE (ANIE)

Via Donizetti, 30, 20122 MILANO, Italy .

Aims: Association of National Electric and Electronic Enterprises. (Orientation: economic.)

NAME: Ing. Adriano MOLISANI, Segretario; tel.(02) 79 44 89.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.

Financial institution

BANCO DI ROMA

Via Del Corso, 307, 00186 ROMA, Italy .

Aims: Banking. (Orientation: economic.)

NAME: Ufficio Studi e Documentazioni; Largo Chigi, 19, 00187 ROMA, Italy; tel.(06) 67 86 93 1.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

0252

Research centre

CENTRO COMUNE DI RICERCA DELLA COMMISSIONE DELLE COMUNITA'EUROPEE

EURATOM

21020 ISPRA (VARESE), Italy .

Aims: Research. (Orientation: scientific.)

NAME: Prof. Sergio FINZI, Direttore Direzione Dipartimento B; tel.(0332) 78 13 1/5.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Library services, not restricted.

0253

Research centre

CENTRO INFORMAZIONI STUDI ESPERIENZE (CISE)

Via Redecesio, 12, 20090 SEGRATE (MILANO), Italy .

Aims: Scientific and Technical Research. (Orientation: scientific, technological.)

NAME: Dr. Ing. Luigi LUCIANI, Capo Servizio Documentazione; tel.(02) 21 33 24 1; tex.32643 CISENERG; cab.CISENERG MILANO.

Primary Information:

- Periodicals, Reports, Others.
- Energia Nucleare, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

0254

Information purveyor

CENTRO ITALIANO DI STUDI DI DIRITTO DELL'ENERGIA NUCLEARE (CISDEN)

Via S. Ilaria, 2, 00199 ROMA, Italy .

Aims: Studies and Information. (Orientation: legal.)

NAME: Avv. Ferdinando CARBONE, Segretario; tel.(06) 83 93 99 3.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins.
- Bolletino di informazioni, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Consultant services, restricted.

0255

Research centre

CENTRO STUDI GEOMINERARI E MINERALURGICI DEL CONSIGLIO NAZIONALE DELLE RICERCHE

Istituto di Arte Mineraria e Preparazione dei Minerali/Universita'di Cagliari

P. za D'Armi, 09100 CAGLIARI, Italy .

Aims: Scientific/Technological. (Orientation: scientific, technological, economic.)

NAME: Prof. Ing. Mario CARTA, Direttore; tel.(070) 28 17 24.

Primary Information:

- Reports, Conference proceedings, Theses and dissertations, Others.
- Atti Facolta'Ingegneria Universita'di Cagliari, freq. 1, available.

0256

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

National administration and decision making body

0257

COMITATO NAZIONALE PER L'ENERGIA NUCLEARE (CNEN)
V. le Regina Margherita, 125, 00198 ROMA, Italy .

Aims: Nuclear Research & Development. (Orientation: technological.)

NAME: Prof. Achille ALBONETTI, Direttore Direzione Centrale delle Relazioni Esterne; tel.(06) 85 28; tex.61183 NUCLIT ROMA; cab.TLX 61183 NUCLIT ROMA.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Others.
- Notiziario CNEN, freq. 12, available.
- Potenza Nucleare, freq. 1, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Abstracting journals, restricted.
 - Stampa del Giorno-Rassegna giornaliera della stampa italiana ed estera sui principali problemi nucleari ed energetici, freq. 365
- Consultant services, restricted.

Public and private energy enterprise

0258

DALMINE SPA
Via Brera, 19, 20121 MILANO, Italy .

Aims: Tube Manufacturing. (Orientation: economic.)

NAME: Dr. Eugenio MARCONI, Dirigente Servizio Marketing; tel.(02) 88.58.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Bibliographies, not restricted.

Public and private energy enterprise

0259

ENTE NAZIONALE PER L'ENERGIA ELETTRICA (ENEL)

Direzione Studi e Ricerche
Via G. B. Martini, 3, 00198 ROMA, Italy .

Aims: Electricity Production, Transmission and Distribution. (Orientation: scientific, technological.)

NAME: Dr. Ing. Giorgio NERI, Dirigente Direzione Studi e Ricerche; Via Dalmazia, 15, 00198 ROMA, Italy; tel.(06) 85 09 26 74; tex.61518-61528 ENEL DG; cab.ENELETTRICO ROMA.

Primary Information:

- Reports, not available.
- Statistical information, not available.

Documentation:

- Library services, not restricted.
- Abstracting journals, not restricted.
 - Bibliografia Elettronica, freq. 12
- Bibliographies, not restricted.

Public and private energy enterprise

0260

ENTE NAZIONALE PER L'ENERGIA ELETTRICA (ENEL) COMPARTIMENTO DI MILANO
Via Carducci, 1/3, 20123 MILANO, Italy .

Aims: Electricity Production, Transport and Distribution. (Orientation: technological, economic.)

NAME: Dr. Libero COLOMBI, Dirigente Ufficio Segreteria Studi e Statistiche; Via Leopardi, 1, 20123 MILANO, Italy; tel.(02) 88 47 47 24.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, restricted.

Public and private energy enterprise **0261**

ENTE NAZIONALE IDROCARBURI (ENI)

P. le E. Mattei, 1, 00144 ROMA, Italy .

Aims: Research, Production and Refining of Hydrocarbons and Chemical Production. (Orientation: economic.)

Primary Information:

- Statistical information.
- Sommario Statistico Energia e Idrocarburi, freq. 1, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.

Public and private energy enterprise **0262**

ESSO ITALIANA

P. le Industria, 46, 00144 ROMA, Italy .

Aims: Refining and Distribution of Oil Products. (Orientation: economic.)

NAME: Dr. Bianca ROVANI, Responsabile Centro di Documentazione e Biblioteca Aziendale; tel.(06) 59.95.22.07; cab.ESSOSTAMPA ROMA.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins, Statistical information.
- Esso Rivista, freq. 4, available.

Documentation:

- Query answering, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.

Public and private energy enterprise **0263**

FIAT SPA

Raggruppamento Energia

Via Cuneo, 20, 10153 TORINO, Italy .

Aims: Motor Vehicles Manufacturing/Engineering, supply and conservation of systems for generation of electricity. (Orientation: technological, economic.)

NAME: Dr. Ing. Giulio CESONI, Direttore Fiat; tel.(011) 27.36.61/85.48.85; tex.FIATMARE 21050; cab.FIATMARE TORINO.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise **0264**

FIAT SPA

Raggruppamento Energia-Documentazione e Biblioteca

Via Cuneo, 20, 10153 TORINO, Italy .

Aims: Engineering, supply and Conservation of Systems for Generation of Electricity. (Orientation: technological, economic.)

NAME: Geom. Luciano ALIBERTI, Responsabile Documentazione e Biblioteca; tel.(011) 27 36 61/23 78 23; tex.FIATMARE 21050; cab.FIATMARE TORINO.

Documentation:

- Query answering, not restricted.
- Bibliographies, not restricted.

Trade and professional organisation **0265**

FORUM ITALIANO DELL'ENERGIA NUCLEARE (FIEN)

Via Paisiello, 26/28, 00198 ROMA, Italy .

Aims: National Association of Nuclear Enterprises. (Orientation: technological, economic, legal.)

NAME: Avv. Pietro BULLIO, Segretario Generale; tel.(06) 86 82 91; cab.NUCLEARFORUM.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins.
- Atomo e Industria, freq. 24, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.

- Bibliographies, restricted.
- Translation services, restricted.

Non-energy enterprise with strong interest in energy

0266

INDUSTRIE ZANUSSI SPA
33170 PORDENONE, Italy .

Aims: Production and trade of electrical household appliances. (Orientation: economic, legal.)
NAME: Prof. Giovan Battista BOZZOLA, Direttore Segreteria Generale; tel.(0434) 2691.

Primary Information:

- Reports, Statistical information, Others.

Documentation:

- Abstracting journals, not restricted.

Information purveyor

0267

ISTITUTO CENTRALE DI STATISTICA
Via C. Balbo, 16, 00100 ROMA, Italy .

Aims: Statistical Data Collection and Processing. (Orientation: economic.)

NAME: Dr. Aldo SANTEUSANIO/Dr. Emanuele NANNI/Dr. Eugenio FUSCO, Servizio Statistiche Industriali/Rep. Ind./A;
tel.(06) 46 73-503/4; tex.61338; cab.ISTAT ROMA.

Primary Information:

- Periodicals, Books.
- Bollettino Mensile di Statistica, freq. 12, available.
- Annuario di Statistiche Industriali, freq. 1, available.
- Annuario Statistico Italiano, freq. 1, available.
- Compendio Statistico Italiano, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0268

ISTITUTO DI ECONOMIA DELLE FONTI DI ENERGIA (IEFE)

Universita'Commerciale Luigi Bocconi
Via Sarfatti, 25, 20136 MILANO, Italy .

Aims: Studies and Researches on Energy Problems. Participation in Workshop on Alternative Energy Strategies (WAES) for Italy.
(Orientation: technological, economic.)

NAME: Prof. Sergio VACCA', Direttore; tel.(02) 83 99 13 1.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings.
- Economia delle Fonti di Energia, freq. 3, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.

University and educational establishment

0269

ISTITUTO DI INGEGNERIA NUCLEARE

CESNEF/Politecnico di Milano
Via G. Ponzio, 34/3, 20133 MILANO, Italy .

Aims: Teaching and Research. (Orientation: scientific.)

NAME: Prof. Sergio GARRIBBA, Direttore Responsabile Laboratorio di Impianti Nucleari ed Energetica; tel.(02) 23 60 38 6.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0270

ISTITUTO PER LA RICOSTRUZIONE INDUSTRIALE (IRI)
Via V. Veneto, 89, 00187 ROMA, Italy .

Aims: Public enterprise/Holding company. (Orientation: technological, economic.)

NAME: Ing. Guido FRIGESSI DI RATTALMA, Capo Settore Organizzazione e Ricerca; tel.(06) 46 77; tex.61468 ISTIRI; cab.ISTIRI.

Primary Information:

- Conference proceedings, available.

Documentation:

- Bibliographies, restricted.

Public and private energy enterprise

0271

ITALSIDER SPA

Via Corsica, 4, 16128 GENOVA, Italy .

Aims: Iron & Steel Productions. (Orientation: technological.)

NAME: Ing. Sergio POGGI, Dirigente Servizio Energia/Direzione Tecnica di Esercizio; tel.(010) 59.90.62.9; tex.27039 ITALSID; cab.ITALSIDER GENOVA.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.

National administration and decision making body

0272

MINISTERO DELL'INDUSTRIA DEL COMMERCIO E DELL'ARTIGIANATO

Direzione Generale delle Miniere

Via Molise, 2, 00100 ROMA, Italy .

Aims: National Administration and Decision Making Body/Studies and Researches. (Orientation: economic.)

NAME: Dr. Ivanoe PIZZINI, Vice Direttore Generale Direzione Generale delle Miniere; tel.(06) 46 46 25.

Primary Information:

- Bulletins, Statistical information, Others.
- Bollettino Ufficiale degli Idrocarburi, freq. 12, available.
- Bollettino Servizio Geologico, available.

Documentation:

- Library services, not restricted.

National administration and decision making body

0273

MINISTERO DELL'INDUSTRIA DEL COMMERCIO DELL'ARTIGIANATO

Direzione Generale Fonti di Energia e Industria di Base (DGFEIB)

Via Molise, 2, 00100 ROMA, Italy .

Aims: National Administration and Decision Making Body/Studies and Researches. (Orientation: economic.)

NAME: Dr. Carmelo PITRONACI, Primo Dirigente Direzione Generale Fonti Energia/Divisione ix; tel.(06) 49 85.

Primary Information:

- Bulletins, Statistical information.
- Bollettino Petrolifero, freq. 12, available.
- L'Industria del Petrolio in Italia, freq. 1, available.
- Bollettino Statistico sulle Fonti di Energia e sulla Produzione Industriale, available.
- BILANCI ENERGETICI, freq. 1, available.

Public and private energy enterprise

0274

NUCLEARE ITALIANA REATTORI AVANZATI (NIRA)

Piazza Carignano, 2, 16128 GENOVA, Italy .

Aims: New type reactor engineering. (Orientation: scientific, technological, economic.)

NAME: Ing. Gaetano CAROLEI, Assistente dell'Amministratore Delegato; tel.(010) 5996; tex.37048 SONIRA; cab.SONIRA.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Segnalazione stampa tipi flash, freq. 260, not available
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.

Trade and professional organisation

0275

SOCIETA FINANZIARIA MECCANICA (FINMECCANICA)

Viale Maresciallo Pilsudski, 92, 00197 ROMA, Italy .

Aims: IRI Holding in the mechanical and engineering sector. (Orientation: technological, economic.)

NAME: Dr. Andrea M. LUGLI-Rag. Gabriella MANAZZA, Dirigente, Funzionaria Direzione Generale-Ufficio Studi-Centro di Documentazione-Biblioteca; tel.(06) 8777331/8777250; tex.FINMEC 61371.

Primary Information:

- Reports, Bulletins, Statistical information, Others.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.

Public and private energy enterprise

0276

SOCIETA ITALIANA RESINE (SIR)

Via Grazioli, 33, 20161 MILANO, Italy .

Aims: Production and sale of chemical products. (Orientation: scientific, technological.)

NAME: Ing. Alberto CARZANIGA, Direttore Direzione Pianificazione; tel.(02) 64.00.25.36; tex.32181 SIRROCCHI.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.
- SDI, restricted.

Research centre

0277

STAZIONE SPERIMENTALE PER I COMBUSTIBILI

V. le A. De Gasperi, 3, 20097 S. DONATO MILANESE, Italy .

Aims: Applied Scientific Research, Technical Assistance, Documentation, Professional Training. (Orientation: scientific, technological.)

NAME: Dr. Cornelio DE PRETIS, Documentazione/Rivista dei Combustibili.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings.
- Rivista dei Combustibili, freq. 12, available.

Documentation:

- Query answering, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Rubriche "Notiziario" e "Schedario" in Rivista dei Combustibili, freq. 12
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0278

TERNI

Societa per l'Industria e l'Elettricit  S.P.A

V. le B. Brin, 218, 05100 TERNI, Italy .

Aims: Iron and Steel Production/Manufacturing of Parts for Nuclear Power Plants. (Orientation: technological, economic.)

NAME: Dr. Luigi CAMBIOLI, Marketing/Capo Ufficio Studi di Mercato; tel.(0744) 57 74 1-395; tex.66008 TERNITER; cab.ELETTROTERNI/TERNI.

Documentation:

- Query answering, restricted.

Trade and professional organisation

0279

UNIONE COSTRUTTORI ITALIANI MACCHINE UTENSILI

Via Monte Rosa, 21, 20149 MILANO, Italy .

Aims: Trade Industrial Association. (Orientation: economic.)

NAME: Dr. Roberto TARANTO, Capo Servizio/Ufficio Studi Economici; tel.(02) 49 83 15 1; tex.39249.

Documentation:

- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, restricted.

Trade and professional organisation

0280

UNIONE NAZIONALE AZIENDE CONSUMATRICI ENERGIA ELETTRICA (UNACEL)

Via Belisario, 8, 00187 ROMA, Italy .

Aims: Trade Association. (Orientation: economic.)

NAME: Dr. Ing. Franco BERNSTEIN, Consulente Tecnico/Direzione; tel.(06) 48 10 26.

Primary Information:

- Reports, not available.
- Conference proceedings, not available.
- Bulletins, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Abstracting journals, restricted.
 - Bollettino, freq. 12
- Bibliographies, restricted.
- Consultant services, restricted.

Trade and professional organisation

0281

UNIONE NAZIONALE AZIENDE PRODUTTRICI AUTOCONSUMATRICI DI ENERGIA ELETTRICA (UNAPACE)

Via Paraguay, 2, 00198 ROMA, Italy .

Aims: Association of Enterprises producing and consuming Electrical Energy. (Orientation: technological, economic.)

NAME: P.I. Giuseppe CHIARELLA, Servizio Documentazione; tel.(06) 86 46 02; cab.UNAPACE.

Primary Information:

- Periodicals.
- L'Elettricità nell'Industria, freq. 4, available.

Documentation:

- Query answering, restricted.
- SDI, restricted.
- Consultant services, restricted.

Trade and professional organisation

0282

UNIONE NAZIONALE CANTIERI E INDUSTRIE NAUTICHE ED AFFINI (UCINA)

Via G. Giardino, 4, 20123 MILANO, Italy .

Aims: Trade Association. (Orientation: economic.)

NAME: Dr. Carlo MINETTI, Vice Segretario Generale; tel.(02) 87 38 13.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Statistical Informations, available.

Documentation:

- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
- Bibliographies, not restricted.
- Translation services, not restricted.

Trade and professional organisation

0283

UNIONE PETROLIFERA

V. le Della Civiltà Del Lavoro, 38, 00144 ROMA, Italy .

Aims: Private Petroleum Enterprises Association. (Orientation: technological, economic, legal.)

NAME: Dr. Mario WENZEL, Dirigente Ufficio Relazioni Esterne; tel.(06) 59.15.86.9; tex.62455; cab.UNIPETROL ROMA.

Primary Information:

- Reports, Statistical information.
- Notizie Statistiche, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Abstracting journals, restricted.
 - Rassegna della Stampa

LUXEMBOURG

National administration and decision making body

0284

MINISTERE DE L'ECONOMIE NATIONALE

Service central de la Statistique et des Etudes économiques (STATEC)

Boulevard Royal 19-21, B.P. 304 LUXEMBOURG, Luxembourg .

Aims: Government department concerned with statistics and economic studies. (Orientation: economic.)

NAME: Monsieur G. ALS, Directeur; tel.219 21.

Primary Information:

- Periodicals, Books, Statistical information, Others.
- Annuaire statistique, freq. 1, available.
- Luxembourg en chiffres, freq. 1, available.
- Indicateur rapide-série B, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

NETHERLANDS

Non-energy enterprise with strong interest in energy

0285

AKZO RESEARCH AND ENGINEERING

Velperweg, 76, P.O. Box 60 ARNHEM, Netherlands .

Aims: Chemicals, fibres, plastics. (Orientation: scientific, technological, economic.)

NAME: Dr. H.J. BEYER, Research manager; AKZO Research and Engineering b.v, P.O. Box 60 Arnhem, Netherlands; tel.085-664422; tex.45204; cab.ENKA-ARNHEM.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.
- SDI, no access.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, no access.
- Information analysis and synthesis services, no access.

Information purveyor

0286

BANK MEES & HOPE

Herengracht, 548, AMSTERDAM, Netherlands .

Aims: Banking. (Orientation: economic.)

NAME: Mr. W.O. WENTGRES, Managing director study bureau; tel.020-5279111; tex.11424; cab.Meesbank.

Primary Information:

- Periodicals, Reports.
- Schetsen van beurs en economie, freq. 12, available.
- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Research centre

0287

BOUWCENTRUM STICHTING BOUWCENTRUM EN RATIOBOUW

Weena, 700, P.O. Box 299 ROTTERDAM, Netherlands .

Aims: Research in the field of building in general. (Orientation: scientific, technological, economic, legal.)

NAME: Ir. H. van BREMEN, Managing Director; tel.010-1161811; tex.22530 bouwcn nl; cab.Bouwcn. nl R'dam.

Primary Information:

- Periodicals, Books, Reports.
- Bouw, freq. 50, available.
- Bouwmarkt, freq. 12, available.
- Books, available.
- Reports, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Consultant services, restricted.

Research centre

0288

DELFT HYDRAULICS LABORATORY (DHL)
Rotterdamseweg, 185, P.O. Box 177 DELFT, Netherlands .

Aims: Fundamental and applied research in the fields of hydraulics, hydrodynamics, hydrology and morphology by using model test facilities, field surveys and computer programs. Hydraulic aspects of offshore structures and equipment, cooling water circuits (structural and environmental problems) industrial circulations (pipelines, valves, pumps, hydroelectric powergeneration). (Orientation: scientific, technological, economic.)

NAME: Ir. A. PAAPE, Assistant Director/Ir. H.N.C. BREUSERS, Scientist; tel.015-569353; tex.32770 Hydrel-NL; cab.Hydrolab Delft.

Primary Information:

- Periodicals, Reports, Conference proceedings, Theses and dissertations.
- Conference proceedings, freq. 15, available.
- Hydro Delft, freq. 4, available.
- Reports, freq. 150, available.
- Theses and dissertations, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
- Consultant services, not restricted.
- DHL documentation data, freq. 12

University and educational establishment

0289

DELFT UNIVERSITY OF TECHNOLOGY (THD) APPLIED PHYSICS DEPT
Lorentzweg, 1, DELFT, Netherlands .

Aims: Academic education and research in the field of applied physics. (Orientation: scientific, technological, economic.)

NAME: Prof. ir. C.J. HOOGENDOORN, Managing scientist; tel.015-133222; cab.TH-Delft.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series A, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0290

DELFT UNIVERSITY OF TECHNOLOGY (THD) CHEMICAL ENGINEERING DEPT
Julianalaan, 136, DELFT, Netherlands .

Aims: Academic education and research in the field of Chemical Engineering. (Orientation: scientific, technological, economic.)

NAME: Drs. F.A. MEIJER/Dr. J.A.B.A.F. BONNET, Managing Scientists; tel.015-133222; cab.TH-Delft.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series A, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0291

DELFT UNIVERSITY OF TECHNOLOGY (THD) CIVIL ENGINEERING DEPT (COASTAL ENGINEERING GROUP)
Stevinweg, 1, DELFT, Netherlands .

Aims: Academic education and research in the field of civil engineering. (Orientation: scientific, technological.)

NAME: Prof. dr. ir. E.W. BIJKER, Managing scientist; tel.015-133222; cab.TH-Delft NL.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series D, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0292

DELFT UNIVERSITY OF TECHNOLOGY (THD) DEPT OF AERONAUTICAL ENGINEERING AND DEPT OF ELECTRICAL ENGINEERING
Kluyverweg, 1, DELFT, Netherlands.

Aims: Academic education and research in the field of aeronautics and electrical engineering. (Orientation: scientific, technological, economic.)

NAME: Prof. ir. H. WITTENBERG/Prof. dr. SCHWARZ, Managing Scientists; tel.015-133222; cab.TH-Delft.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series B and C, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

University and educational establishment

0293

DELFT UNIVERSITY OF TECHNOLOGY (THD) ENVIRONMENTAL ENGINEERING DEPT
Julianalaan, 134, DELFT, Netherlands .

Aims: Academic education and research in the field of environmental engineering. (Orientation: scientific, technological.)

NAME: Drs. G.S. JONKER, Project manager; tel.015-133222; cab.TH-Delft NL.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series A, B, C, D, E, F,, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0294

DELFT UNIVERSITY OF TECHNOLOGY (THD) INTERDISCIPLINARY ENERGY PROJECT GROUP
Mekelweg, 4, P.O. Box 2908 DELFT, Netherlands .

Aims: Academic education and research in the field of interdisciplinary engineering. (Orientation: scientific, technological, economic.)

NAME: Mr. J. GERARDS, Drs. L.A. ten HOORN, Mr. F. GERARDS, Project managers; tel.015-133222; cab.TH Delft NL.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report, Series A, B, D, E, F, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0295

DELFT UNIVERSITY OF TECHNOLOGY (THD) MECHANICAL ENGINEERING DEPT
Mekelweg, 2 and Rotterdamseweg, 139a, DELFT, Netherlands .

Aims: Academic education and research in the field of mechanical engineering. (Orientation: scientific, technological, economic.)

NAME: Prof. ir. BOEKE/Prof. ir. D.G.H. LATZKO/Prof. ir. J.J.C. van LIER, Managing scientists; tel.015-133222; cab.TH Delft NL.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series C, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0296

DELFT UNIVERSITY OF TECHNOLOGY (THD) MINING DEPT

Mijnbouwstraat, 20, DELFT, Netherlands .

Aims: Academic education and research in the field of mining engineering. (Orientation: scientific, technological, economic.)
NAME: Prof. ir. W.H. van EEK/Prof. ir. D.N. DIETZ, Managing scientists; tel.015-133222; cab.TH Delft NL.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Delft Progress Report Series E, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0297

DUTCH STATE MINES (DSM)

HEERLEN, Netherlands .

Aims: Production of Chemicals, plastics, artificial fertilizers, etc. (Orientation: scientific, technological, economic.)
NAME: Dr. ir. L. J. REVALIER, Manager Research and Patent Dept; Central Laboratory, P.O. Box 18 GELEEN, Netherlands; tel.04494-91111; tex.56239; cab.CENTRALAB.

Primary Information:

- Reports, not available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.
- SDI, not restricted.
- Library services, no access.
- Translation services, no access.
- Information analysis and synthesis services, no access.

University and educational establishment

0298

**EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) APPLIED PHYSICS DEPT
LABORATORY FOR FLUID MECHANICS**

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands.

Aims: Academic education and research in the field of applied physics. (Orientation: scientific, technological, economic.)
NAME: Dr. ir. C. DAEY OUWENS/Prof. dr. F. van der MAESEN/Prof. ir. O. RADEMAKER/Ir. P.T. SMULDERS/, Project managers/managing scientists; tel.040-479111; cab.TH-Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0299

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) CHEMICAL ENGINEERING DEPT

Insulindelaan, 5, P.O. Box 513 EINDHOVEN, Netherlands .

Aims: Academic education and research in the field of chemical engineering. (Orientation: scientific, technological, economic.)
NAME: Ir. S.P. BERTRAM/Prof. ir. H. TELS/Prof. E. BARENDRECHT/Prof. drs. H.S. van der BAAN, Managing Scientists; tel.040-479111; cab.TH Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0300

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) DEPT OF ARCHITECTURE, BUILDING AND PLANNING; DEPT OF CIVIL ENGINEERING

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

Aims: Academic education and research in the field of civil engineering. (Orientation: scientific, technological, economic.)

NAME: Prof. ir. P.C. KREYGER/Ir. H.A.W. CORNELISSEN/Prof. dr. ir. J. HAMAKER, Project-managers; tel.040-479111; cab.TH-Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0301

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) ELECTRICAL ENGINEERING DEPT

Sections: a) Electromechanics b) Electro-chemical/mechanical c) Direct Energy conversion and rotating plasma
Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

Aims: Academic education and research in the field of electrical engineering. (Orientation: scientific, technological, economic.)

NAME: Ir.C.J. NELEMANS/Ir. P. van OOSTERHOUDT/Ir. J.A. SCHOT/Ir. W.J. de ZEEUW/Prof. dr. L.H. Th. RIETJENS, Managing scientists/project managers; tel.040-479111; cab.TH Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0302

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) INDUSTRIAL ENGINEERING DEPT

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

Aims: Academic education and research in the field of industrial engineering. (Orientation: scientific, technological, economic.)

NAME: Ir. M.A.M. SPLINTER, Managing scientist; tel.040-479111; cab.TH Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0303

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) MECHANICAL ENGINEERING DEPT

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

Aims: Academic education and research in the field of mechanical engineering. (Orientation: scientific, technological, economic.)

NAME: Prof. ir. C.W.J. van KOPPEN/Prof. ir. W.A. KOUMANS/Dr. K. JANSEN HUTTEMAN, Managing scientists; tel.040-479111; cab.TH Eindhoven.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0304

ESTEL N.V. HOESCH-HOOGOVENS (ESTEL)

Barbarossastraat, 35, NIJMEGEN, Netherlands .

Aims: Production of steel, metallurgy. (Orientation: scientific, technological.)

NAME: Ir. A.G. MELMAN, Co-ordinating manager; tel.080-269111.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.

- SDI, no access.
- Library services, not restricted.
- Bibliographies, no access.
- Translation services, no access.
- Information analysis and synthesis services, no access.

Non-energy enterprise with strong interest in energy

0305

FOKKER-VFW B.V. NETHERLANDS AIRCRAFT FACTORIES

Technological Centre

Schipholdijk, P.O. Box 7600, SCHIPHOL-OOST, Netherlands .

Aims: Production of aircraft and related products in the field of aerospace activities Wind power systems. (Orientation: scientific, technological, economic.)

NAME: Ir Jan B.H. BOLT, Chief information and documentation department; tel.020-5442465; tex.12 227 SIFO NL.

Primary Information:

- Reports.
- Internal reports, not available.

Non-energy enterprise with strong interest in energy

0306

FOKKER VWF B.V.

Schipholdijk, 231, P.O. Box 7600 SCHIPHOL-OOST, Netherlands .

Aims: Production of airplanes, aeroturbines. (Orientation: scientific, technological, economic.)

NAME: Ir. R.J. SCHLIEKELMANN, Research Co-ordinator; tel.020-730144; tex.12227 SIFO NL; cab.FOKPLANES Amsterdam.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- SDI, no access.
- Library services, not restricted.
- Information analysis and synthesis services, no access.

Research centre

0307

FOUNDATION FOR THE FUNDAMENTAL RESEARCH ON MATTER (FOM) FOM-INSTITUTE FOR ATOMIC AND MOLECULAR PHYSICS

Kruislaan, 407, P.O. Box 4408 AMSTERDAM-WATERGRAAFSMEER, Netherlands.

Aims: Research on atomic and molecular physics. (Orientation: scientific.)

NAME: Prof. dr. J. KISTEMAKER, Managing director; tel.020-946711.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0308

FOUNDATION FOR THE FUNDAMENTAL RESEARCH ON MATTER (FOM) FOM-INSTITUTE FOR PLASMAPHYSICS RIJNHUIZEN

Overeindseweg, 2, P.O. Box 7 JUTPHAAS, Netherlands.

Aims: Research on Plasmaphysics, atomic fusion. (Orientation: scientific, technological.)

NAME: Prof. dr. C. BRAAMS, Managing Director; tel.03402-1224; tex.47380; cab.Rijnhuizen.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- SDI, not restricted.
- Library services, not restricted.

University and educational establishment

0309

FOUNDATION TOOL

Celebeslaan, 6, P.O. Box 525 EINDHOVEN, Netherlands .

Aims: Co-operation with developing countries in the field of technology. (Orientation: scientific, technological, economic.)
NAME: Drs. A. de WILDE/Drs. J.W. van der ELS, Managers; Insulindelaan, 2, P.O. Box 525 EINDHOVEN, Netherlands; tel.040-24336.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0310

FOUNDATION THE YOUNG SCIENTISTS, TEST-FIELD NORTH BRABANT
Munsel, 17, BOXTEL, Netherlands .

Aims: Testing the idea of an integrated application of agriculture with alternative energy resources (solar, wind and biological). (Orientation: technological.)
NAME: Ing. J.L.'t HOOFT, Project-manager; tel.04116-46521.

Primary Information:

- Periodicals, Reports, Bulletins.
- Milieu Defensie, freq. De Kleine Aarde, available.
- Reports, available.

Documentation:

- Query answering, not restricted.

Research centre

0311

FUTURE SHAPE OF TECHNOLOGY FOUNDATION (STICHTING TOEKOMSTBEELD DER TECHNIEK STT)
Prinsessegracht, 23, THE HAGUE, Netherlands .

Aims: Study of the future technological developments and where possible, to illuminate the social consequences. The results are published in order to contribute to the acquisition of a more integral picture of the future society. (Orientation: scientific, technological, economic.)
NAME: Ir. A.C. SJOERDSMA/Ir. J.A. OVER, Managers; tel.070-646800.

Primary Information:

- Periodicals, Reports, Conference proceedings, Statistical information.
- Periodical: De Ingenieur, freq. 52, available.
- Reports: Future Shape of Technology, available.
- Publications, available.
- Conference proceedings De Ingenieur, freq. 52, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

University and educational establishment

0312

GRONINGEN STATE UNIVERSITY, CHEMISTRY AND PHYSICS DEPT
Universiteitscomplex Paddepoel, GRONINGEN 8002, Netherlands .

Aims: Academic education and research in the field of chemistry and physics. (Orientation: scientific, technological.)
NAME: Prof. dr. ir. J.C. FRANCKEN/Prof. dr. J. KOMMANDEUR/Prof. dr. ir. A. WEGENER SLEESWIJK, Managing Scientists; tel.050-119111.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

University and educational establishment

0313

GRONINGEN STATE UNIVERSITY, INSTITUTE FOR PEACE RESEARCH
Ubbo Emmiusingel, 19, GRONINGEN, Netherlands .

Aims: Academic research and education in the field of peace research (polemology). (Orientation: scientific, economic, legal.)
NAME: prof. dr. B.V.A. ROELING/Dr. P. BOSKMA, Managing directors; tel.050-115585.

Primary Information:

- Reports, Theses and dissertations.
- Reports, available.
- Theses, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Research centre

0314

INSTITUTE FOR WASTE DISPOSAL, STICHTING VERWIJDERING AFVALSTOFFEN (SVA)

Utrechtseweg, 223, P.O. Box 184 AMERSFOORT, Netherlands .

Aims: Study of methods of waste disposal (technical, economical, sociological and legal). (Orientation: scientific, technological, economic, legal.)

NAME: Ir. B.G. KREITNER, Research manager; tel.033-12904.

Primary Information:

- Reports, Statistical information.
- S.V.A.-reports, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Research centre

0315

INTERUNIVERSITAIR REACTOR INSTITUUT

Mekelweg, 15, DELFT, Netherlands .

Aims: Research on and application of nuclear fission. (Orientation: scientific, technological.)

NAME: Prof. ir. J.P.W. HOUTMAN (chemistry), Prof. dr. J.J. van LOEF (physics), Drs. J. BOERSMA, Managing directors, Manager; tel.015-133222.

Primary Information:

- Reports, not available.
- Theses and dissertations, not available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Public and private energy enterprise

0316

KEURING VAN ELEKTROTECHNISCHE MATERIALEN, N.V. (KEMA)

(DUTCH ELECTRICITY SUPPLY COMPANIES)

Utrechtseweg, 310, ARNHEM, Netherlands.

Aims: Testing electric equipment; research in the field of generating and transport of electricity; consulting services; planning future demands.. (Orientation: scientific, technological, economic, legal.)

NAME: Dr. ir. M.E.A. HERMANS, Deputy Director; tel.085-457057; tex.45016.

Primary Information:

- Periodicals, Reports, Theses and dissertations, Bulletins, Statistical information.
- Elektriciteitsplan, freq. 1, available.
- Elektriciteit in Nederland, freq. 1, available.
- Reports, not available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, not restricted.
- Bibliographies, not restricted.
- Consultant services, not restricted.

University and educational establishment

0317

LEIDEN STATE UNIVERSITY, GORLAEUS LABORATORIES

Wassenaarseweg, P.O Box 75 LEIDEN, Netherlands .

Aims: Academic education and research in the field of chemistry. (Orientation: scientific.)

NAME: Prof. dr. L.N.M. DUYSSENS/Prof. dr. J.H. van der WAALS, Managing scientists; tel.071-48333.

Primary Information:

- Reports, available.

- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0318

N.V. NEDERLANDSE SPOORWEGEN (NS) (NETHERLANDS RAILWAY COMPANY INC.)

Moreelsepark, 1, UTRECHT, Netherlands .

Aims: Transport by rail of persons and goods. (Orientation: scientific, technological, economic.)

NAME: Ir. F. OUDENDAL, Co-ordinating manager, Research and Planning Dept. N.S; tel.030-359111; cab.NS-Utrecht.

Primary Information:

- Reports, available.
- Statistical information, available.

Documentation:

- Query answering, not restricted.
- SDI, restricted.
- Library services, not restricted.

Research centre

0319

NEDERLANDS ENERGY RESEARCH FOUNDATION (ECN)

Westerduinweg, 3, 1724 PETTEN, Netherlands .

Aims: Research and development in the field of energy supply. (Orientation: scientific, technological, economic.)

NAME: Dr. H.M. RIETVELD, Head of department of scientific and technical information; tel.02246-6262; tex.57211; cab.REACTOR Holland.

Primary Information:

- Periodicals, Reports, Conference proceedings, Theses and dissertations.
- Conference proceedings, available.
- Energie Spectrum, freq. 12, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0320

NEDERLANDSE GAS UNIE (NGU)

Laan van Corpus den Hoorn, 102, P.O. Box 19 GRONINGEN, Netherlands .

Aims: Production and selling of natural gas. (Orientation: scientific, technological, economic, legal.)

NAME: Drs. J.P. van den BERG, Managing Director, P.O. Box 19; tel.050-219111; tex.53448; cab.Gasunie.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- SDI, restricted.
- Library services, not restricted.

Trade and professional organisation

0321

NERATOOM B.V

Laan van Nieuw Oost Indië, 129-135, P.O. Box 2244 THE HAGUE-2078, Netherlands .

Aims: Research and Development in the field of nuclear fission energy. (Orientation: scientific, technological, economic.)

NAME: Ir. A.H. de HAAS van DORSSER, Managing Director; tel.070-814821; tex.32595 NERAT NL; cab.NERATOOM, Den Haag.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- SDI, restricted.
- Library services, not restricted.
- Information analysis and synthesis services, restricted.

Trade and professional organisation

0322

NETHERLAAND INDUSTRIAL COUNCIL FOR OCEANOLOGY
Schoenmakerstraat, 97, P.O. Box 215 DELFT, Netherlands .

Aims: Acts as a focal point for an increasing number of Netherlands companies operating in the offshore field: coastal hydraulic engineering, underwater construction, marine mining, exploration of minerals, antipollution equipment, hydrography. (Orientation: scientific, technological, economic, legal.)

NAME: Mr. J.P.H. HUIJSKENS, Secretary of the Council; tel.015-569330.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.

Research centre

0323

NETHERLANDS INTERDEPARTMENTAL WORKING COMMUNITY FOR THE APPLICATION OF REMOTE SENSING TECHNIQUES (NIWARS)
Kanaalweg, 3, DELFT, Netherlands.

Aims: Application of remote sensing techniques. (Orientation: scientific, technological.)

NAME: Mr. G. KONING/Dr. ir. M. GEVERS, Managing directors; tel.015-569226; cab.NIWARS-Delft.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

National administration and decision making body

0324

NETHERLANDS MINISTRY OF ECONOMIC AFFAIRS, GEOLOGICAL DEPT
Spaarne, 17, P.O. Box 157 HAARLEM, Netherlands .

Aims: In the energy field: to assure a continuous supply of energy to the Dutch economy. (Orientation: scientific, technological, economic, legal.)

NAME: Drs. C.G. BROUWER, Scientific manager; tel.023-319362.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- SDI, restricted.
- Library services, not restricted.
- Consultant services, no access.

Research centre

0325

NETHERLANDS NATIONAL COUNCIL FOR AGRICULTURAL RESEARCH TNO (NRLO)
Juliana van Stolberglaan, 148, P.O. Box 297 THE HAGUE-2076, Netherlands .

Aims: Co-ordination management of the Dutch agricultural research. (Orientation: scientific, technological.)

NAME: Mr. A. van den BERG, Co-ordinating manager; tel.070-848300.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- L & O, freq. 4, available.
- Reports of the NRLO, available.
- Theses, available.

Documentation:

- Query answering, not restricted.
- SDI, not restricted.
- Library services, not restricted.

Research centre

0326

NETHERLANDS ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH (TNO)
NETHERLANDS ORGANIZATION FOR INDUSTRIAL RESEARCH (TNO-NO)
CENTRE FOR THE STUDY OF ENERGY PROBLEMS (CVE-TNO-(NO))
Juliana van Stolberglaan, 148, P.O. Box 297 THE HAGUE, Netherlands.

Aims: Applied scientific research; industrial research and study of energy problems. (Orientation: scientific, technological, economic.)

NAME: Dr. ir. A.J. BOGERS/Ir. J.A. KNOBBOUT, Managing scientists; Laan van Westenenk, 501, P.O. Box 342 APELDOORN, Netherlands; tel.05760-73344; tex.49095; cab.TNO-Apeldoorn.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations.
- TNO-Project, freq. 12, available.
- Books, available.

- Reports, available.
- TNO-Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, restricted.

University and educational establishment

0327

**NIJMEGEN UNIVERSITY (KUN) LABORATORY FOR PSYCHOLOGICAL RESEARCH,
SOCIAL SYSTEMS RESEARCH DEPT**
Toernooiveld, NIJMEGEN, Netherlands.

Aims: Academic education and research in the field of socio-psychology. (Orientation: scientific.)

NAME: Dr. J.H.G. KLABBERS, Managing Scientist; Erasmuslaan, 16 NIJMEGEN, Netherlands; tel.080-519333.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0328

**NIJMEGEN UNIVERSITY (KUN) MATHEMATICAL AND NATURAL SCIENCE DEPARTMENT,
LABORATORY FOR MICROBIOLOGY**
Toernooiveld, NIJMEGEN, Netherlands.

Aims: Academic education. (Orientation: scientific.)

NAME: Dr. ir. VOGELS/Dr. C. van der DRIFT, Managing Scientists; tel.085-519333.

Primary Information:

- Reports, available.
- Theses and dissertation, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0329

NIJMEGEN UNIVERSITY (KUN) SOLID STATE CHEMISTRY DEPT
Toernooiveld, NIJMEGEN, Netherlands .

Aims: Academic education and research in the field of chemistry and physics. (Orientation: scientific.)

NAME: Prof. dr. J. BLOEM/Dr. L.J. GILLING, Managing Scientists; Driehuizerweg, 200 NIJMEGEN, Netherlands; tel.080-539333.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0330

PHILIPS RESEARCH LABORATORIES
EINDHOVEN, Netherlands .

Aims: Scientific research. (Orientation: scientific, technological, economic.)

NAME: Prof. dr. J. VOLGER, Managing director R & D; tel.040-791111; tex.51121 PHTC NL; cab.Philips-Eindhoven.

Primary Information:

- Periodicals, Reports, Theses and dissertations, Bulletins.
- Philips Technisch Tijdschrift, freq. 12, available.
- Philips Research Reports, freq. 12, available.
- Theses and dissertations, available.
- Electronic Applications Bulletins, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, restricted.
- Translation services, no access.

Non-energy enterprise with strong interest in energy

0331

RIJN SCHELDE VEROLME MACHINEFABRIEKEN EN SCHEEPSWERKEN (RSV)

Oostmaaslaan, 59-65, ROTTERDAM, Netherlands .

Aims: Constructing of engines, ships etc. (Orientation: technological, economic.)

NAME: Ir. P. CROOCKEWIT, Research Manager; tel.010-142811; tex.23652; cab.Rijn Schelde Verolme Rotterdam NL.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0332

ROTTERDAM STATE UNIVERSITY (ERASMUS UNIVERSITY) ECONOMIC GEOGRAPHY INSTITUTE

Burgemeester Oudlaan, 50, P.O. Box 1738 ROTTERDAM, Netherlands .

Aims: Academic education and research in the field of geography economics. (Orientation: scientific, economic.)

NAME: Prof. dr. P. ODELL, Managing scientist; tel.010-145511.

Primary Information:

- Books, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

University and educational establishment

0333

**ROTTERDAM STATE UNIVERSITY (ERASMUS UNIVERSITY) THE NETHERLANDS
ECONOMIC INSTITUTE (NEI)**

Burgemeester Oudlaan, 50, ROTTERDAM, Netherlands.

Aims: Academic education and research in the field of economics. (Orientation: scientific, economic.)

NAME: Drs. J.A. BOURDREZ/Drs. G.R. OTTEN, Managers; tel.010-145511.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Economische Statistische Berichten, freq. 52, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Consultant services, not restricted.

University and educational establishment

0334

ROTTERDAM STATE UNIVERSITY, INSTITUTE FOR SOCIOLOGICAL RESEARCH

Burgemeester Oudlaan, 50, ROTTERDAM, Netherlands .

Aims: Academic education and research in the field of sociology. (Orientation: scientific, economic.)

NAME: Prof. dr. R.W. BOESJES HOMMES/Drs. H.J. VERIJDT, Managing scientists; tel.010-145511.

Primary Information:

- Reports, available.
- Theses, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.

- Library services, not restricted.
- Bibliographies, not restricted.

Public and private energy enterprise

0335

SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V

Carel van Bijlandtlaan, 30, P.O. Box 162 THE HAGUE, Netherlands .

Aims: Exploration of energy carriers, exploitation, transport and selling of energy carriers. (Orientation: scientific, technological, economic.)

NAME: Dr. ir. E.L. MACKOR/Mr. F. HAGEMAN, Research managers; tel.070-776655; tex.31005; cab.Shell intersearch.

Primary Information:

- Periodicals.
- Olie, freq. 12, available.
- Reports, not available.
- Theses and dissertations, available.
- Statistical informations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, no access.

Research centre

0336

TESTING AND RESEARCH INSTITUTE OF THE NETHERLANDS WATER WORKS (KIWA)

Sir Winston Churchill-laan, 273, RIJSWIJK, Netherlands .

Aims: Testing and research for waterworks. (Orientation: scientific, technological, economic.)

NAME: Ir. M. SOLLMAN, Manager; tel.070-902720; tex.32480.

Primary Information:

- Periodicals, Reports.
- H2O, tijdschrift voor watervoorziening en afvalwaterbehandeling, freq. 24, available.
- Reports, not available.

Documentation:

- Query answering, not restricted.
- SDI, not restricted.

University and educational establishment

0337

TILBURG UNIVERSITY, JOHN F. KENNEDY INSTITUTE

Hogeschoollaan, 225, TILBURG, Netherlands .

Aims: International studies, academic education in the field of sociology and economics. (Orientation: scientific, economic, legal.)

NAME: Prof. dr. F.A.M. ALTING von GENSAU, Managing Director; tel.013-669111; tex.52426 KHT.

Primary Information:

- Books, Reports, Conference proceedings, Theses and dissertations.
- Books, available.
- Reports, available.
- Conference proceedings: Energy Policy, available.
- Planning in the European Community, available.
- The case of electrical energy, available.
- Theses, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0338

TWENTE UNIVERSITY OF TECHNOLOGY (THT) APPLIED PHYSICS DEPT

Drienerlo, P.O. Box 217 ENSCHEDE, Netherlands .

Aims: Academic education and research in the field of applied physics. (Orientation: scientific, technological, economic.)

NAME: Prof. dr. ir. W.J. WITTEMAN, Managing scientist; tel.053-899111; cab.TH-Twente.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Wetenschapsbulletin TH Twente, freq. 2, available.

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0339

TWENTE UNIVERSITY OF TECHNOLOGY (THT) CHEMICAL ENGINEERING DEPT
Drienerlo, P.O. Box 217 ENSCHEDE, Netherlands .

Aims: Academic education and research in the field of chemical engineering. (Orientation: scientific, technological, economic.)
NAME: Prof. dr. ir. W.P.M. van SWAAY/Ir. M. GROENEVELD, Managing scientists; tel.053-899111; cab.TH-Twente.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Wetenschapsbulletin TH Twente, freq. 2, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

0340

TWENTE UNIVERSITY OF TECHNOLOGY (THT) MECHANICAL ENGINEERING DEPT
Drienerlo, P.O. Box 217 ENSCHEDE, Netherlands .

Aims: Academic education and Research in the field of Mechanical Engineering. (Orientation: scientific, technological, economic.)
NAME: Prof. dr. ir. H. van den KROONENBERG, Managing scientist; tel.053-899111; cab.TH Twente.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Wetenschapsbulletin TH Twente, freq. 2, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Public and private energy enterprise

0341

ULTRA CENTRIFUGE NEDERLAND (UCN)
Scheveningsweg, 44, THE HAGUE, Netherlands .

Aims: Production of nuclear fuels. (Orientation: scientific, technological, economic.)
NAME: Ir. H.W. BARON, Manager; tel.070-512861; tex.33145 UC HA NL.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0342

UNIVERSITY FOR AGRICULTURAL SCIENCES
Salverdaplein, 11, WAGENINGEN, Netherlands .

Aims: Academic education and research in the field of agricultural sciences. (Orientation: scientific.)
NAME: Dr. H.N.M. van der LANS, Co-ordinating Manager; tel.08370-89111.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

0343

UNIVERSITY OF AMSTERDAM LABORATORY FOR BIOCHEMISTRY B.C.P. JANSEN INSTITUTE
Plantage Muidergracht, 12, AMSTERDAM, Netherlands .

Aims: Academic education and research in the field of biochemistry. (Orientation: scientific.)
NAME: Prof. dr. E.C. SLATER, Managing scientist; tel.020-5222150/522111; cab.Biochemistry Amsterdam NL.

Primary Information:

- Reports, available.
- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

University and educational establishment

UTRECHT STATE UNIVERSITY, LABORATORY FOR ANALYTICAL CHEMISTRY
Croesestraat, 77a, UTRECHT, Netherlands .

Aims: Academic education and research in the field of chemistry. (Orientation: scientific.)
NAME: Prof. dr. W. van GOOL/Dr. G.H.J. BROERS, Managing scientists; tel.030-880611.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

0344

University and educational establishment

UTRECHT STATE UNIVERSITY, VENING MEINESZ LABORATORY
Huizingalaan, 121, UTRECHT, Netherlands .

Aims: Academic education and research in the field of geophysics and geochemistry. (Orientation: scientific.)
NAME: Prof. dr. R.D. SCHUILING, Managing scientist; tel.030-715214.

Primary Information:

- Reports, available.
- Theses and dissertations, available.
- Statistical information, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.

0345

Non-energy enterprise with strong interest in energy

VAN DOORN'S AUTOMOBIEL FABRIEKEN (DAF)
Geldropseweg, 303, EINDHOVEN, Netherlands .

Aims: Motorcar production. (Orientation: scientific, technological, economic.)
NAME: E. van WAALWIJK/G. van AMSTEL, Managers; tel.040-14911; tex.51085; cab.DAFAUTO.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Information analysis and synthesis services, no access.

0346

Information purveyor

VERBOND VAN WETENSCHAPPELIJKE ONDERZOEKERS (VWO) ASSOCIATION OF SCIENTIFIC RESEARCHERS
Abel Tasmanlaan, 2, MAARSSSEN, Netherlands.

Aims: Study of social-technological problems. (Orientation: scientific, technological, economic, legal.)
NAME: Prof. dr. H.J. GROENEWOLD/Dr. P. BOSKMA, Chairman/secretary; tel.03465-1108.

Primary Information:

- Periodicals, Reports.
- Wetenschap en Samenleving (Science and Society), available.
- Reports, available.

Documentation:

- Query answering, not restricted.

0347

- Retrospective research, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

VERENIGDE MACHINE FABRIEKEN (VMF)

Vlaardingenlaan, 11, P.O. Box 9251 AMSTERDAM, Netherlands .

Aims: Constructing, mechanical engineering. (Orientation: scientific, technological, economic.)
NAME: Ir. B. GOEDHUIS, Manager; tel.020-158834; tex.13051; cab.VEMEF.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, restricted.
- Library services, not restricted.

0348

Research centre

VERENIGING EXPLOITANTEN GASBEDRIJVEN INSTITUUT (VEG-INSTITUTE)

Treubstraat, 17, P.O. Box 164 RIJSWIJK Z.H, Netherlands .

Aims: Research and development in the field of gas fuels. (Orientation: scientific, technological, economic.)
NAME: Drs. W. TAKENS, Research manager; tel.070-906750.

Primary Information:

- Periodicals, Reports.
- Gas, freq. 12, available.
- Reports, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

0349

Trade and professional organisation

VERENIGING NEDERLANDSE CHEMISCHE INDUSTRIE (VNCI) (ASSOCIATION OF NETHERLANDS CHEMICAL INDUSTRIES)

Javastraat, 2, THE HAGUE, Netherlands.

Aims: Co-operation in the field of chemical industry interests. (Orientation: scientific, technological, economic, legal.)
NAME: Mrs. A.G. GEERLOFS, Secretary; tel.070-469422.

Primary Information:

- Periodicals, Reports.
- Nederlandse Chemische Industrie, freq. 24, available.
- Reports, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

0350

University and educational establishment

VRIJE UNIVERSITEIT (VU) FREE UNIVERSITY BIOLOGICAL LABORATORY

De Boelelaan, 1087, AMSTERDAM-BUITENVELDERT, Netherlands .

Aims: Academic education and research in the field of biology. (Orientation: scientific, technological.)
NAME: Prof. dr. A.H. STOUTHAMER, Managing scientist; tel.020-482426.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

0351

UNITED KINGDOM

Information purveyor

0352

ASLIB (FORMERLY THE ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX)

3, Belgrave Square, LONDON SW1X 8PL, United Kingdom .

Aims: A grant-aided research association specializing in problems relating to information collection, retrieval and dissemination, and offering referral and enquiry services in all subject fields. It also provides consultancy, advice and training on all aspects of information handling and use. (Orientation: scientific, technological, economic.)

NAME: Miss S.M. REMINGTON, Information Officer; tel.(01) 235 50 50; tex.23667.

Primary Information:

- Conference proceedings.
- Aslib Proceedings, freq. 12, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Abstracting journals, not restricted.
 - Aslib Booklist, freq. 12
 - Index to Theses accepted for Higher Degrees in British Universities etc., freq. 2
- Bibliographies, not restricted.
- Translation services, restricted.

University and educational establishment

0353

ASTON-IN-BIRMINGHAM UNIVERSITY

Department of Building

Gosta Green-Aston-in-Birmingham Univ, Dept Building, BIRMINGHAM B4 7ET, United Kingdom .

Aims: University research in the interpretation of the thermal performance of buildings. (Orientation: scientific, technological.)

NAME: Professor A.W. PRATT, Head of Department of Construction and Environmental Health; tel.(021) 359 36 11; tex.336997 (library).

Primary Information:

- Theses and dissertations.

Documentation:

- Consultant services, restricted.

Research centre

0354

ATOMIC ENERGY RESEARCH ESTABLISHMENT (AERE) ENERGY TECHNOLOGY SUPPORT UNIT

HARWELL, DIDCOT, OX11 0RA, United Kingdom .

Aims: To assist the Department of Energy in reviewing and, where necessary, developing the energy technology options available to the UK in the medium and long term future. The unit provides information directly to the department's chief scientist on the development on new energy sources and on R & D related to energy and energy conservation. (Orientation: scientific, technological.)

NAME: Mr. J. FURNIVAL, Information Officer; tel.Abingdon (0235) 24141 ext. 2024; tex.83135; cab.ATEN ABINGDON.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.

Research centre

0355

ATOMIC ENERGY RESEARCH ESTABLISHMENT (AERE) INFORMATION OFFICE

Building 465, HARWELL, DIDCOT, OXON, OX11 0RB, United Kingdom .

Aims: R & D on reactor development and nuclear power generally, with particular reference to materials research and nuclear waste disposal; This is supported by a programme of underlying research. R & D in other areas not necessarily related to nuclear energy. This includes work on exploitation on NaS batteries in road and rails applications and on energy conversion devices. (Orientation:

scientific, technological.)

NAME: Mr. J. TERRY, Information Officer; tel.Abingdon (0235) 24141 ext. 2000; tex.83135; cab.ATEN, Abingdon.

Primary Information:

- Reports, Conference proceedings, Bulletins.
- Harwell information bulletin, freq. 52, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.

University and educational establishment

0356

BRISTOL UNIVERSITY

Department of Civil Engineering

University Walk, Queens Building, Dept of Civil Engineering, BRISTOL BS8 1TR, Avon, United Kingdom .

Aims: Research into the construction of a barrage across the River Severn for the purpose of tidal energy generation. (Orientation: scientific, technological.)

NAME: Dr. Thomas L. SHAW, Senior Lecturer and Project Leader; tel.(0272) 2 41 61; tex.449174 (library).

Primary Information:

- Theses and dissertations, Others.

Documentation:

- Query answering, not restricted.
- Bibliographies, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

0357

BRITISH CARBONIZATION RESEARCH ASSOCIATION (BCRA)

Wingerworth, CHESTERFIELD S42 6JS, United Kingdom .

Aims: Co-operative research for the coking and coal tar industries. (Orientation: technological.)

NAME: Dr. David G. EDWARDS, Information Officer; tel.(0246) 7 68 21.

Primary Information:

- Periodicals, Reports.
- Annual Report, freq. 1, available.
- Carbonization Research Reports, available.
- Investigation Reports, not available.
- Commercial Intelligence Review, freq. 4, not available.
- Special Publications, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - BCRA Review, freq. 4
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0358

BRITISH GAS CORPORATION

Headquarters

59, Bryanston Street, Marble Arch, LONDON W1A 2AZ, United Kingdom .

Aims: As per the Gas Act 1972; "to develop and maintain an efficient, co-ordinated and economical system of gas supply for Great Britain, and to satisfy, so far as it is economical to do so, all reasonable demands for gas in Great Britain.". (Orientation: scientific, technological, economic.)

NAME: Mr.W. BURNSTONE, Secretary; tel.(01) 723 70 73; tex.261710.

Primary Information:

- Periodicals, Books, Reports.
- Architects' Data Sheets, not available.
- British Gas Data Book, freq. 1, not available.
- Flambeau, available.
- The "Gas In..." series, available.
- Index of Gas Industry Translations, not available.
- Annual General Report, freq. 1, available.

- Industrial Gas Controls Handbook, not available.
- Research Communications, not available.

Documentation:

- Library services, restricted.

0359

Public and private energy enterprise

BRITISH GAS CORPORATION

Research and development division/Engineering Research Station
Killingworth, P.O. Box 1LH, NEWCASTLE UPON TYNE NE99 1LH, United Kingdom .

Aims: To support the British Gas supply industry's engineering departments. This involves research, development and evaluation of materials and equipment for the construction, control and maintenance of high and low pressure gas pipelines and gas storage systems. (Orientation: technological.)

NAME: Mr.R.E. WIGGINS, Assistant Division Manager/Information; tel.(0632) 68 48 28; tex.53470.

Primary Information:

- Reports, Others.
- Published papers, available.
- Reports, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.

0360

Public and private energy enterprise

BRITISH GAS CORPORATION

Research and Development Division/Midlands Research Station
Wharf Lane, SOLIHULL B91 2JW, West Midlands, United Kingdom .

Aims: Research and development into the production of gas and its industrial and larger scale commercial utilisation. (Orientation: scientific, technological.)

NAME: Mr. David REAY, Head of Information; tel.(021) 705 75 81; tex.339128.

Primary Information:

- Reports.
- Internal Reports, freq. 300, not available.
- Published papers, freq. 10, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.
- Bibliographies, no access.
- Translation services, no access.

0361

Research centre

BRITISH GAS CORPORATION

Research and Development Division/Watson House
Peterborough Road, LONDON SW6 3HN, United Kingdom .

Aims: Research development and testing of appliances for the domestic and small scale commercial utilisation of gas. (Orientation: scientific, technological.)

NAME: Mrs Sarah CARTER, Leader, Scientific Information Centre; tel.(01) 736 12 12 (ext. 6282).

Primary Information:

- Reports, Bulletins.
- Watson House Bulletin, freq. 6, not available.
- Published papers, freq. 20, available.
- Internal reports, freq. 250, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.

0362

Research centre

BRITISH HYDROMECHANICS RESEARCH ASSOCIATION (BHRA)
BHRA Fluid Engineering, CRANFIELD MK43 OAJ, Bedfordshire, United Kingdom .

Aims: Contract research in Fluid Engineering. Model investigations to reduce flow losses: coding systems and large pipes for thermo and hydroelectric power stations. Pumped storage and other reservoirs. Hydraulic machinery. Pipelines. Hydraulic transport of solids in pipes. Process engineering reduction of losses in large pipes. (Orientation: scientific, technological.)
NAME: Mr. H.S. STEPHENS, Head of Information Department; tel.(0234) 75 04 22.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins, Others.
- BHRA Fluid Engineering News, freq. 4, available.
- Annual report, freq. 1, available.
- Research reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Civil Engineering Hydraulics Abstract, freq. 12
 - Dredging Abstracts, freq. 4
 - Industrial Aerodynamics Abstracts, freq. 6
 - Pumps and other Fluids Machinery Abstracts, freq. 6
 - Fluid Power Abstracts, freq. 12
 - Fluidics Feedback, freq. 6
 - Tribos, freq. 12
 - Fluid Sealing Abstracts, freq. 6
 - Solid-Liquid Flow Abstracts, freq. 4
 - Fluid Flow Measurements Abstracts, freq. 6
 - Bibliographies in Fluid Engineering, freq. 2-3
- Bibliographies, not restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, restricted.

Information purveyor

THE BRITISH LIBRARY

0363

The Science Reference Library (SRL) Holborn Branch
25, Southampton Buildings, Chancery Lane, LONDON WC2A 1 AW, United Kingdom .

Aims: To provide literature resources in depth as a service to support current research and development in science and technology and to act as the national library for Patents, Trademarks and Designs. (Orientation: scientific, technological.)
NAME: Mr. Michael W. HILL, Director; tel.(01) 405 87 21 ext.3344; tex.266959.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- Guideline, available.
- Occasional publications, available.
- Periodical news, available.
- SRL News, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

Information purveyor

THE BRITISH LIBRARY LENDING DIVISION (BLL)

0364

Boston Spa, WETHERBY LS23 7BQ, West Yorkshire, United Kingdom .

Aims: To support the library system of the UK by means of a loan/photocopy service. This is achieved mainly by the acquisition for a central loan stock of all significant serials, English language monographs, reports, conference proceedings and music scores, and selective acquisition of other materials. (Orientation: scientific, technological.)
NAME: Mr. Maurice B. LINE, Director General; tel.(0937) 84 34 34; tex.557381.

Documentation:

- Library services, restricted.
- Translation services, restricted.

Trade and professional organisation

BRITISH NUCLEAR ENERGY SOCIETY (BNES)

0365

1-7 Great George Street, LONDON SW1P 3AA, United Kingdom .

Aims: To provide a forum for discussion and presentation of papers on nuclear energy topics which would be of interest to members. The activities of the Society are, therefore, directed to the broader aspects of nuclear energy, covering a wide range of engineering and scientific disciplines. (Orientation: scientific, technological.)
NAME: Miss J.H. GREEN, Executive Officer; tel.(1) 839 36 11 ext. 224.

Primary Information:

- Periodicals, Conference proceedings.
- B.N.E.S. Journal, freq. 4, available.

Documentation:

- Query answering, not restricted.

0366

Trade and professional organisation

BRITISH NUCLEAR FORUM (BNF)

1, St Alban's Street, LONDON SW1Y 4SL, United Kingdom .

Aims: To assist the development of the Nuclear Industry in the UK. To co-ordinate the common interests of member organizations. To represent the UK in Foratom (the European Association of Atomic Forums). (Orientation: scientific, technological, economic.)

NAME: Mr. G. GREENHALGH, Director; tel.(01) 930 68 88; tex.22565.

Primary Information:

- Reports, Conference proceedings, Bulletins.
- Annual report, freq. 1, available.
- BNF reports, not available.
- Bulletin, freq. 12, available.
- Conference reports, available.
- Enrichment Newsletter, freq. 2-4, available.
- Information booklets, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

0367

Research centre

BUILDING RESEARCH ESTABLISHMENT

Building Research Station

Bucknalls Lane, WATFORD WD2 7JR, Hertfordshire, United Kingdom .

Aims: The Establishment is concerned with almost the whole field of building: building materials, the design and performance of structures and constructional techniques. (Orientation: technological.)

NAME: Dr. H.H. NEVILLE, Librarian; tel.(09273) 7 40 40; tex.923220.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins.
- Current papers, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
 - Building Science Abstracts, freq. 12
 - Building Research Station Digests, freq. 12
 - BRE News, freq. 4
 - Information Directory, freq. 1
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

0368

Research centre

BUILDING SERVICES RESEARCH AND INFORMATION ASSOCIATION (BSRIA)

Old Bracknell Lane, BRACKNELL RG12 4AH, Berkshire, United Kingdom .

Aims: Design and performance of the engineering services of buildings; application of automatic controls; acoustic design and performance; operational research. (Orientation: technological.)

NAME: Mr. A.R. EAVES, Information Officer; tel.(0344) 2 50 71-5; cab.Heatlab Bracknell.

Primary Information:

- Periodicals, Reports.
- Omnibus, freq. 6, available.
- Annual report, freq. 1, available.
- Application guides, available.
- Bibliographies, available.
- Technical notes, freq. 1.
- Thermal Engineering (Teploenergetika), freq. 12, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Thermal Abstracts, freq. 6
- Bibliographies, not restricted.
- Translation services, not restricted.
- Information analysis and synthesis services, restricted.

University and educational establishment

0369

CAMBRIDGE UNIVERSITY

Cavendish Laboratory/Energy Research Group

Madingley Road, CAMBRIDGE CB3 0HE, Cambs, United Kingdom .

Aims: General research into energy in the UK. (Orientation: scientific, technological, economic, legal.)

NAME: Mrs. Anne SWINNEY, Information Assistant; tel.(0223) 6 64 77; tex.81292.

Primary Information:

- Reports, Theses and dissertations.

Documentation:

- Query answering, no access.
- Retrospective research, no access.
- SDI, no access.
- Library services, no access.
- Abstracting journals, no access.
- Bibliographies, no access.
- Translation services, no access.
- Consultant services, no access.
- Information analysis and synthesis services, no access.

University and educational establishment

0370

CARDIFF UNIVERSITY COLLEGE

Department of Mechanical Engineering/Solar Energy Unit

Newport Road, CARDIFF CF1 1XP, United Kingdom .

Aims: 1. Research group in thermal applications of solar energy: collector performances; energy storage; heat transfer; UK insolation data; computer simulation of solar heating systems. 2. Advice to individuals and industrial groups for solar energy utilisation. 3. In the future: measure of optical surface properties; collector testing and building of a solar simulator. 4. Participation in IEA and EEC programmes on collector testing. (Orientation: scientific, technological.)

NAME: Dr C.M.A. JOHANSON, Information Officer; tel.(0222) 4 42 11; cab.Coleg Cardiff.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0371

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Berkeley Nuclear Laboratories (BNL), BERKELEY GL13 9PB, Gloucestershire, United Kingdom .

Aims: Research and development to support the nuclear power programme of the CEGB. (Orientation: scientific, technological.)

NAME: Mr. Peter R. MULLINS, Information Officer; tel.(045381) 451; tex.43227.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Retrospective research, no access.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, restricted.

Public and private energy enterprise

0372

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Central Electricity Research Laboratories (CERL)

Kelvin Avenue, LEATHERHEAD KT22 7SE, Surrey, United Kingdom .

Aims: Pure and applied research in fields relating to the planning, generation and transmission of electricity, including environmental aspects. (Orientation: scientific, technological.)

NAME: Mr. David BAYNES, Information Officer/Librarian; tel.Leatherhead, 7 44 88; tex.917338.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- CEGB Research, freq. 3, available.
- Reports-(RD L R), available.
- CERL Symposia, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.

- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, not restricted.

0373

Public and private energy enterprise

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Information Services

Sudbury House, 15, Newgate Street, LONDON EC1A 7AU, United Kingdom .

Aims: To control the operation and maintenance of power stations and the main transmission system and to supply current in bulk to the Electricity Boards. (Orientation: technological, economic.)

NAME: Mr. R.W. PRIOR, Senior Information Scientist; tel.(01) 248 12 02; tex.883141.

Primary Information:

- Reports, Conference proceedings.
- Annual report and accounts, freq. 1, available.
- Statistical yearbook, freq. 1, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
- CEGB Digest, freq. 12
- Bibliographies, not restricted.
- Translation services, restricted.

0374

Public and private energy enterprise

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Marchwood Engineering Laboratories

Marchwood, SOUTHAMPTON S04 4ZB, Hampshire, United Kingdom .

Aims: Research on various aspects of electricity generation and utilisation. (Orientation: scientific, technological, economic.)

NAME: Mr I. GLENDENNING; tel.(04216) 57 11; tex.47338.

Primary Information:

- Periodicals, Reports.

0375

Information purveyor

CENTRAL STATISTICAL OFFICE (CSO)

Library

Great George Street, LONDON SW1P 3AQ, United Kingdom .

Aims: Government library holding current issues of major statistical serials of the UK, Commonwealth and foreign countries and international organizations. (Orientation: economic.)

NAME: Mrs C.W. SCOTT, Librarian; tel.(01) 233 75 76.

Primary Information:

- Periodicals, Statistical information.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.

0376

Trade and professional organisation

CHARTERED INSTITUTION OF BUILDING SERVICES

49, Cadogan Square, LONDON SW1X OJB, United Kingdom .

Aims: 1) The promotion for the benefit of the public in general of the art, science and practice of such engineering services as are associated with the built environment and with industrial processes. 2) The advancement of education and research in building services engineering and the publication of the useful of such research.. (Orientation: scientific, technological.)

NAME: Mr. Jack PEACH, Technical Secretary; tel.(01) 235 76 71.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations, Bulletins.
- Building Services Engineer, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- Library services, restricted.

Trade and professional organisation

CHEMICAL INDUSTRIES ASSOCIATION LTD

0377

Alembic House, 93, Albert Embankment, LONDON SE1 7TU, United Kingdom .

Aims: The Chemical Industries Association is both a trade association and an employers' organization open to membership by companies which are bona fide manufacturers in the chemical and allied industries and which have operations in the United Kingdom involving production, processing or sale of products or the provision of services relating to such products. The prime objective of the Chemical Industries Association is to provide services tailored to the specific needs and achievements of the chemical and allied industries. (Orientation: technological.)

NAME: Mr.L. ADLER, Economic Intelligence Officer; tel.(01) 735 30 01; tex.916672; cab.Chemindsoc London SE1 7TU.

Trade and professional organisation

CONFEDERATION OF BRITISH INDUSTRY

0378

Company Affairs Directorate/Fuel and Energy Department

Tothill Street, 21, LONDON SW1H 9LP, United Kingdom .

Aims: To provide for British industry the means of formulating, making known and influencing general policy in regard to industrial, economic, fiscal, commercial, labour, social, legal and technical questions, and to act as a national point of reference for those seeking industry's views; to develop the contribution of British industry to the national economy; to encourage the efficiency and competitive power of British industry and to provide advice, information and services to British industry to that end. (Orientation: technological, economic, legal.)

NAME: Mr. Henry STEPHENS, Head of fuel and Energy department; tel.(01) 930 67 11; tex.21332; cab.COBUSTRY LONDON SW1.

Primary Information:

- Reports, Statistical information.
- Reports on industrial energy practices and use, available.
- Reports on industry's reactions to energy situations, available.
- Ad hoc statistics of industrial energy use, available.

Documentation:

- Query answering, restricted.
- Information analysis and synthesis services, restricted.

Research centre

CRANFIELD INSTITUTE OF TECHNOLOGY

0379

Centre for Transport Studies

CRANFIELD MK43 OAL, Bedfordshire, United Kingdom .

Aims: 1) to assess the social and economic implications of developments in transport policy and technology, 2) to indicate how such developments relate to urban, regional and national planning, 3) to establish dynamic links between assessment and technology studies in order that engineering and design work shall proceed in parallel with assessment exercises in the solution of real transport problems.. (Orientation: technological, economic.)

NAME: Mrs Linda BANWELL, Information Officer; tel.(0234) 75 01 11; tex.82 50 72.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

University and educational establishment

CRANFIELD INSTITUTE OF TECHNOLOGY

0380

Environmental Sciences Research Unit (ESRU)

CRANFIELD MK43 OAL, Bedfordshire, United Kingdom .

Aims: To undertake basic studies of natural energy sources, e.g. wind, solar, and provide a technical consultancy service for the associated problems of application, energy storage and conservation. (Orientation: scientific, technological.)

NAME: Mr.R.I. HARRIS, Director of ESRU; tel.(0234) 75 01 11-570/1; tex.825072.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

University and educational establishment

CRANFIELD INSTITUTE OF TECHNOLOGY

0381

School of Mechanical Engineering (Applied Energy)/Centre for Thermal Insulation Studies

CRANFIELD MK43 OAL, Bedfordshire, United Kingdom .

Aims: Thermal energy conservation: in particular thermal insulation of systems throughout the whole temperature range from -273 C to +2000 C. Excellent research facilities are available for sponsored research in thermal insulation and thermal rectification.

(Orientation: technological.)

NAME: Professor Douglas PROBERT, Director of Centre for Thermal Insulation Studies; tel.(0234) 7 50 11 ext.507; tex.825072.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Information analysis and synthesis services, restricted.

0382

National administration and decision making body

DEPARTMENT OF ENERGY

Headquarters

Thames House South, Millbank, LONDON SW1 4QJ, United Kingdom .

Aims: The task of the Department of Energy is to implement and administer the statutes for which the Secretary of State for Energy is responsible, including about 40 main Acts of Parliament, and to advise the Secretary of State in the exercise of his duties under these and other acts. These Acts relate, inter alia, to fuel and power in general, the nationalized coal, gas and electricity industries and to the oil and nuclear industries. (Orientation: scientific, technological, economic, legal.)

NAME: Miss Charmian LARKE, Librarian; tel.(01) 211 33 94; tex.918777; cab.Energy London.

Primary Information:

- Reports, Statistical information, Others.
- Energy Conservation Leaflets, available.
- Energy Papers, available.
- Energy Trends, freq. 12, available.
- Fact Sheets, available.
- Oil and Gas Resources of the United Kingdom, freq. 1, available.
- Report on Research and Development, freq. 1, available.
- United Kingdom Digest of Energy Statistics, freq. 1, available.
- United Kingdom Energy Statistics (Folder), freq. 1, available.

Documentation:

- Query answering, restricted.
- Retrospective research, no access.
- SDI, not restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Signpost to the Technical Press, Fuel and Power, freq. 26
- Bibliographies, no access.
- Translation services, no access.
- Information analysis and synthesis services, no access.

0383

Public and private energy enterprise

DEPARTMENT OF THE ENVIRONMENT (DOE)

Property Services Agency (PSA)

PSA Library "C" Block, Whitgift centre, CROYDON CR9 3LY, United Kingdom .

Aims: Government Department concerned with Government buildings, supplies etc. (Orientation: technological.)

NAME: Mr C.E. ROGERS, Principal Librarian; tel.(01) 686 87 10-4499.

Primary Information:

- Periodicals, Books, Bulletins.
- PSA Publications, freq. 1, available.
- DOE Construction, freq. 4, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
 - Construction References, freq. 2
 - Current Information in the Construction Industry, freq. 26
 - Current Information on Maintenance, freq. 1 per two years
 - Bibliography on Data Co-ordination in the Construction Industry
 - Computers in the Construction Industry, freq. 1 per three years
 - District Heating, freq. 1 per two years
 - Information in Building, freq. 1 per three years
- Bibliographies, not restricted.
- Translation services, restricted.
- Information analysis and synthesis services, restricted.

0384

Trade and professional organisation

DISTRICT HEATING ASSOCIATION (DHA)

Bedford House, Stafford Road, CATERHAM CR3 6JA, Surrey, United Kingdom .

Aims: The promotion of centrally supplied heating for whole districts or large communities; the diffusion of general information about district heating to its members and others. (Orientation: technological, economic, legal.)
NAME: Mr F.E. WOODAGE, Controller of Services; tel.(0883) 4 23 23-4.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings.
- Annual Handbook, freq. 1, available.
- Journal, freq. 4, available.
- Papers and Reports, freq. 20, available.
- Conference proceedings, freq. 1 per two years, available.

Documentation:

- Query answering, not restricted.

Information purveyor

THE ECONOMIST INTELLIGENCE UNIT LTD (EIU)
27 St. James's Place, LONDON SW1A 1NT, United Kingdom .

0385

Aims: The EIU is an international economic research and management consultancy organization. One of the areas in which it has specialised for many years is energy. The types of work undertaken for clients include energy balance analyses, feasibility, market and marketing, financial and pricing and labour and other cost studies. In addition the EIU produces a number of publications, regular and special, some of which are devoted to energy or petroleum matters. (Orientation: economic.)
NAME: Mr. M. J. WEST, Managing Director.

Primary Information:

- Periodicals.
- Oil in the Middle East, freq. 4, not available.
- Oil in North America, freq. 4, not available.
- Oil in the Far East and Australasia, freq. 4, not available.
- Oil in Latin America and the Caribbean, freq. 4, not available.
- Oil in Western Europe, freq. 4, not available.

Documentation:

- Consultant services, restricted.

University and educational establishment

EDINBURGH UNIVERSITY

0386

Department of Mechanical Engineering
Mayfield Road, South Bridge, EDINBURGH EH9 3JL, United Kingdom .

Aims: Wave Power Project. (Orientation: technological.)
NAME: Mr. Stephen H. SALTER, Project leader; tel.(031) 667 10 81.

Primary Information:

- Reports.
- Annual Progress Report, freq. 1, not available.

Research centre

ELECTRICAL RESEARCH ASSOCIATION LTD (ERA)
Cleeve Road, LEATHERHEAD KT22 7SA, United Kingdom .

0387

Aims: ERA is an engineering organization specialising in the profitable application of electrotechnology in industry, commerce and the public services. ERA is entirely, independent of both Government and manufacturing industry and provides services on a contract basis to clients all over the world. ERA is currently providing vital services in the fields of energy, materials, conservation and substitution, pollution and environmental control, the technological aspects of health and safety, national and international standardisation and the social impact of technology. (Orientation: scientific, technological.)
NAME: Mrs J. ASH, Information Centre Manager; tel.(03723) 7 41 51; tex.264045.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- News of ERA, freq. 12, not available.
- Annual report, freq. 1, not available.
- Reports on specialised subjects, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, restricted.

Public and private energy enterprise

ELECTRICITY COUNCIL

0388

Intelligence Section
30, Millbank, LONDON SW1P 4RD, United Kingdom .

Aims: Administrative, commercial and economic aspects of electricity supply and utilisation and distribution engineering. "Forum" where general policy of electricity supply for England and Wales is formulated. Advisory body to the Government. Special responsibilities for finance; demand forecasting for investment planning; consideration of tariff proposals; research; industrial relations. (Orientation: technological, economic.)
NAME: Mr. R.G. HANCOCK, Head of Intelligence and technological section; tel.(01) 834 23 33; tex.23385.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins, Statistical information, Others.
- Circuit News, freq. 12, available.
- Distribution Developments, freq. 4, available.
- Handbook of Electricity Supply Statistics, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Electricity Utilisation and Energy Abstracts, freq. 12
 - Management Aspects of Computers, freq. 12
 - Electrical Distribution and Installations, freq. 12
 - Economics, Management and Marketing, freq. 12
- Bibliographies, not restricted.
- Translation services, not restricted.
- Information analysis and synthesis services, not restricted.

0389

Public and private energy enterprise

ELECTRICITY COUNCIL

Research Centre

Capenhurst, CHESTER CH1 6ES, Cheshire, United Kingdom .

Aims: 1) To increase the efficient use of electricity and to develop new uses and new processes appropriate to electricity as a refined energy source. 2) To improve the efficiency and economies of the existing and future electricity distribution system. (Orientation: scientific, technological.)

NAME: Mr. T.J. WEBSTER, Information Scientist; tel.(051)339 41 81; tex.627124.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.
- Abstracting journals, no access.
 - Current Papers, freq. 20
- Translation services, no access.
- Information analysis and synthesis services, restricted.

0390

University and educational establishment

ENERGY RESEARCH UNIT (ERU) LONDON UNIVERSITY

Queen Mary College/Energy Research Unit

41-47, Bow Road, E3 AD LONDON, United Kingdom .

Aims: The unit has build a world energy model of petroleum and natural gas. The model calculates the economic behaviour of this energy sector and has been shown historically to agree closely with the real world. The model can be used in many ways, providing the flows, investment and prices in the petroleum and natural gas sector. It is thus possible to evaluate disaster, environmental, political cases in physical and economic terms. (Orientation: technological, economic.)

NAME: Professor R. J. DEAM, Director.

Primary Information:

- Periodicals, Books, Conference proceedings, Theses and dissertations, Bulletins.
- World Petroleum Energy Model-Special paper 11, available.
- World Petroleum & Gas Modelling, available.
- Power System Long-Term Financial Planning by Using: Firm model, available.
- World Energy Modelling: Part I and Part II, available.
- Price Determination and Economic Mechanisms in the European Oil Industry.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

0391

Research centre

ESSO PETROLEUM CO. LTD.

ESSO Research Centre

ABINGDON OX 13 6AE, Oxon, United Kingdom .

Aims: To promote the most effective utilisation of all petroleum products eg. gas, liquid fuels, lubricants etc. through the provision of sound technical advice and guidance on their use in domestic, commercial and industrial applications. This marketing technical service is principally available to Esso Petroleum Co.'s customers, however technical queries concerned with the application of petroleum products from other users will be attended to. (Orientation: scientific, technological.)

NAME: Mr A.J. STEVENSON, Information Division; tel.ABINGDON 2 16 90; tex.24942; cab.EUROTECH LONDON SW1.

Primary Information:

- Periodicals, Books, Bulletins, Others.
- Energy Saving in industry, available.
- Combustion data charts, available.
- ESSO Fuel Oils, delivery, storage and handling, available.
- Safety in handling and use of L.P.G., not available.
- Viscosity Temperature data on ESSO Fuels, available.
- ESSO Oilways, freq. 4, available.
- Technical Articles in Miscellaneous Journals, available.
- L.P.G. Properties + Usage, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.
- Library services, no access.
- Abstracting journals, no access.
- Consultant services, restricted.

Public and private energy enterprise

ESSO PETROLEUM COMPANY LTD.

0392

Information and Library Service

Esso House, Victoria Street, LONDON SW1E 5JW, United Kingdom .

Aims: Transportation, refining and marketing of petroleum products in the UK. (Orientation: economic.)

NAME: Mrs. Jenny THOMAS, Librarian; tel.(01) 834 66 77; tex.24942.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.

Non-energy enterprise with strong interest in energy

GENERAL ELECTRIC COMPANY (GEC) POWER ENGINEERING LTD.

0393

Library

Cambridge Road, WHETSTONE LE8 3LH, Leicester, United Kingdom .

Aims: Library to staff involved in the manufacture of nuclear reactor components and gas turbines, doing research into metallurgical problems and the mechanics of prime movers, and into long term energy possibilities. (Orientation: scientific, technological.)

NAME: Mr K.E. GREEN, Chief Librarian; tel.(053729) 34 34; tex.34355.

Primary Information:

- Books.
- Thesaurus: Classification Scheme, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Technical Literature Reviews; Materials and Control, freq. 52
 - Technical Literature Reviews; Power engineering, freq. 52
- Bibliographies, restricted.
- Translation services, restricted.
- Information analysis and synthesis services, not restricted.

Non-energy enterprise with strong interest in energy

GENERAL ELECTRIC COMPANY LTD. (GEC)

0394

Hirst Research Centre

East Lane, WEMBLEY HA9 7PP, Middlesex, United Kingdom .

Aims: Research into various aspects of electricity generation and utilisation. (Orientation: scientific.)

NAME: Mrs. J. BRADBURN, Librarian; tel.(01) 904 12 62.

Primary Information:

- Periodicals, Reports.
- GEC Journal of Science and Technology, freq. 4, available.

Documentation:

- Library services, restricted.

University and educational establishment

0395

GLASGOW UNIVERSITY

Department of Electronics and Electrical Engineering
GLASGOW G12 8QQ, United Kingdom .

Aims: University research project on the modelling of a hydroturbogenerator and its control devices using a hybrid computer.
(Orientation: technological.)
NAME: Professor J. LAMB, Project Leader; tel.(041) 339 88 55.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, no access.

Information purveyor

0396

GRAHAM AND TROTMAN LTD

Bond Street House, 14, Clifford Street, LONDON W1, United Kingdom .

Aims: Private publishing company specialising amongst other subjects in books on oil and gas exploration and production and on the control of pollution from energy use. (Orientation: scientific, technological, economic, legal.)
NAME: Mrs. M. LAWN, Executive Assistant; tel.(01) 439 4001; cab.INFO BOOKS.

Primary Information:

- Books, Reports.

University and educational establishment

0397

HERIOT-WATT UNIVERSITY

Energy Resources Group

Research Park, Riccarton, Currie, EDINBURGH EH14 4AS, United Kingdom .

Aims: General research into energy resources; taxation policy and economics of North Sea oil and gas production, social, economic environmental impacts of energy projects and planning response to Scottish coastal zone, studies of future needs of industry, commerce and domestic consumers in Scotland. (Orientation: technological, economic.)
NAME: Prof. D.I. MAC KAY, Department of Economics; tel.(031) 225 84 32.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Non-energy enterprise with strong interest in energy

0398

IMPERIAL CHEMICAL INDUSTRIES LTD. (ICI)

Petrochemicals Division/Intelligence Section

P.O. Box 90, Wilton, MIDDLESBROUGH TS6 8JE, Cleveland, United Kingdom .

Aims: Manufacture of heavy organic chemicals e.g. olefins, olefin oxides and glycols, fibre intermediates, solvents, resins, plasticise alcohols tec. (Orientation: scientific, technological.)
NAME: Dr.H.W.D. STUBBS, Intelligence Section Manager; tel.(06495) 55 22 ext. 2334; tex.58522; cab.Petrochems Middlesbrough.

Primary Information:

- Bulletins.
- North Sea News, freq. approx. 256, not available.
- Energy Bulletin, freq. 26, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Bibliographies, restricted.
- Translation services, restricted.

Trade and professional organisation

0399

INSTITUTE OF FUEL

18, Devonshire Street, LONDON W1M 2AU, United Kingdom .

Aims: Advancement of energy technology (constituent member of Council of Engineering Institutions). (Orientation: scientific, technological.)
NAME: Mr H.M. LODGE, Secretary; tel.(01) 580 71 24-6.

Primary Information:

- Periodicals, Conference proceedings.
- Journal, freq. 4, available.
- Energy World, freq. 11, available.

Trade and professional organisation

0400

INSTITUTE OF GEOLOGICAL SCIENCES (IGS)

Exhibition Road, South Kensington, LONDON SW7 2DE, United Kingdom .

Aims: Systematic geological mapping of Britain and its surrounding seas, and the investigation of the sub-surface geology including the Continental Shelf. Activities include the assessment and exploitation of mineral resources in dependant and emergent territories and in other overseas countries. Provision of world-wide information and statistics of resources, production, treatment and commercial specification of minerals of economic use. (Orientation: scientific.)

NAME: Mr. K.J. SPENCER, Chief Librarian; tel.(01) 589 34 44; cab.Ingeoken.

Primary Information:

- Reports, Bulletins, Statistical information, Others.
- Summaries of Progress and Annual Reports of the Geological Survey of GB, freq. 1, available.
- Bulletins of the Geological Survey of Great Britain, available.
- Reports of the Institute of Geological Sciences, available.
- British Regional Geology, available.
- Memoirs (e.g. Coalfield Memoirs, One-inch Sheet Memoirs, Economic Memoirs), freq. 4, available.
- Geophysical Papers, available.
- Geomagnetic Bulletins, available.
- Water Supply Papers of the Institute of Geological Sciences, available.
- Statistical Publications (e.g. Statistical Summary of the Mineral Industry), available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Bibliographies, not restricted.

Research centre

0401

INSTITUTE OF OFFSHORE ENGINEERING

Heriot-Watt University

Research Park, Riccarton, EDINBURGH EH14 4AS, United Kingdom .

Aims: R & D projects in offshore engineering. Post experience education through technical seminars and courses. Storage and retrieval of information on offshore engineering, offshore oil and gas and marine technology. (Orientation: technological.)

NAME: Mr. Arnold MYERS, Information Officer; tel.(031) 449 51 11.

Primary Information:

- Reports, Others.
- Guide to information services in marine technology, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, restricted.
- Bibliographies, not restricted.
- Translation services, restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

0402

INSTITUTE OF PETROLEUM (IP)

61, New Cavendish Street, LONDON W1M 8AR, United Kingdom .

Aims: Promotion and co-ordination of the scientific study of petroleum and its products. (Orientation: technological, economic.)

NAME: Mr. Philip ALGAR, Information Services Manager; tel.(01) 636 10 04; tex.264380.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Statistical information.
- Petroleum Review, freq. 12, available.
- IP Standard Methods for testing petroleum and its products, available.
- Codes of safe products, available.
- Annual Report, freq. 1, available.
- Oil: world statistics, freq. 1, available.

- UK Petroleum Industry Advisory Committee Statistics, freq. 4, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Gas Chromatography Abstracts, freq. 6
 - International Petroleum Abstracts, freq. 4

Trade and professional organisation

0403

INSTITUTE OF PHYSICS

47, Belgrave Square, LONDON SW1X 8QX, United Kingdom .

Aims: Advancement of the knowledge of pure and applied physics. (Orientation: scientific.)
NAME: Dr. Louis COHEN, Executive Secretary; tel.(01) 235 61 11; tex.918453.

Primary Information:

- Periodicals, Conference proceedings.
- Journal of Physics A-Mathematical and General, freq. 12, available.
- Journal of Physics B-Atomic and Molecular, freq. 18, available.
- Journal of Physics C-Solid State Physics, freq. 24, available.
- Journal of Physics D-Applied Physics, freq. 18, available.
- Journal of Physics E-Scientific Instruments, freq. 12, available.
- Journal of Physics F-Metal Physics, freq. 12, available.
- Journal of Physics G-Nuclear Physics, freq. 12, available.
- Report on Progress in Physics, freq. 12, available.

Trade and professional organisation

0404

INSTITUTION OF ELECTRICAL ENGINEERS

Savoy Place, Victoria Embankment, LONDON WC2R OBL, United Kingdom .

Aims: To promote the general advancement of electrical science and engineering and their applications; to facilitate the exchange of information and ideas on these subjects; to give financial assistance for the promotion of invention and research. (Orientation: scientific, technological.)
NAME: Mr. J. GURNSEY, Librarian; tel.(01) 240 18 71; tex.261176; cab.Voltampere London WC2.

Primary Information:

- Periodicals, Books, Conference proceedings, Others.
- Control and Science Record, freq. 4, available.
- Electronics and Power, freq. 22, available.
- Electronics Letters, freq. 26, available.
- Electronics Record, freq. 4, available.
- Microwaves, Optics and Acoustics, freq. 4, available.
- Electronics circuits and systems, freq. 4, available.
- Solid state and electronic devices, available.
- IEE Monographs, available.
- IEE, Conference Proceedings, available.
- Model forms of general conditions of contract, available.
- Power Record, freq. 4, available.
- Proceedings of the IEE, freq. 12, available.
- Regulations for the electrical equipment for buildings and for ships, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Physics Abstracts, freq. 26
 - Electrical and Electronics Abstracts, freq. 12
 - Computers and Control Abstracts, freq. 12
 - Current Papers in Physics, freq. 26
 - Current Papers in Electrical and Electronics Engineering, freq. 12
 - Current Papers on Computers and Control, freq. 12
 - Key Abstracts in Communication Technology, freq. 12
 - Key Abstracts in Electronic Circuits, freq. 12
 - Key Abstracts in Industrial Power and Control Systems, freq. 12
 - Key Abstracts in Power Transmission and Distribution, freq. 12
 - Key Abstracts in Solid State Devices, freq. 12
 - Key Abstracts in Systems Theory, freq. 12
 - Key Abstracts, Electrical Measurements and Instrumentation, freq. 12
 - Key Abstracts, Physical Measurements and Instrumentation, freq. 12
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organisation

INSTITUTION OF GAS ENGINEERS

0405

17, Grosvenor Crescent, LONDON SW1X 7ES, United Kingdom .

Aims: Promotion of engineering services as applied to the gas industry. (Orientation: technological.)

Primary Information:

- Periodicals, Others.
- Annual Report, freq. 1, available.
- Journal, freq. 12, available.
- Communications, freq. irregular, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Trade and professional organisation

INSTITUTION OF NUCLEAR ENGINEERS

0406

1, Penerley Road, LONDON SE6 2LQ, United Kingdom .

Aims: To provide a professional organization for those involved in the theory and application of nuclear energy including the publication of a scientific journal and the promotion of lectures and meetings. (Orientation: scientific, technological.)

NAME: Mr. B. YOUNGMAN, Secretary; tel.(01) 698 15 00.

Primary Information:

- Periodicals.
- Journal, freq. 6, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.

Trade and professional organisation

INSTITUTION OF PLANT ENGINEERS

0407

138, Buckingham Palace Road, LONDON SW1W 9SG, United Kingdom .

Aims: To bring together plant engineers and to arrange for training in the profession of Plant Engineer. To diffuse knowledge of Plant Engineering by every means, including lectures, papers, conferences and research. To increase the operational efficiency of plant for the greater benefit and welfare of the community, bearing in mind the importance of the conservation of the environment and the preservation of amenity. (Orientation: technological.)

NAME: Mr. Peter F. TYE, Assistant Secretary (technical); tel.(01) 730 04 69; cab.Planteng, London SW1.

Primary Information:

- Periodicals, Conference proceedings.
- The Plant Engineer, freq. 11, available.

Documentation:

- Query answering, restricted.

University and educational establishment

LIVERPOOL UNIVERSITY

0408

Department of Building Engineering

Muspratt Laboratory, P.O. Box 147, LIVERPOOL L69 3BX, United Kingdom .

Aims: Exploitation of solar radiation by the greenhouse effect. Response of a solar heated building to steps and swings in the heat input. Response of occupants to solar heated environment. Studies of St. George's School Wallasey. (Orientation: scientific, technological.)

NAME: Dr. Morris Grenfell DAVIES, Lecturer; tel.(051) 709 60 22; tex.627095.

Primary Information:

- Reports, Others.
- Reports, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

University and educational establishment

LONDON UNIVERSITY, IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

0409

Department of Botany

LONDON, S.W. 7, United Kingdom .

Aims: To gain an understanding of the physical processes by which photosynthetic organisms capture solar energy and bring about its conversion to a storable form. (Orientation: scientific.)

NAME: Dr. J. BARBER, Director of Research Programme; tel.(01) 589 5111 Ext. 2213; tex.261 503.

Primary Information:

- Periodicals, Conference proceedings, Theses and dissertations.
- Biochimica et Biophysica Acta, freq. 6, available.
- Biophysical Journal, freq. 6, available.
- FEBS Letters, available.
- Biochemistry Arch and Biophysics, available.
- Conference proceedings, available.

University and educational establishment

0410

LONDON UNIVERSITY IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Department of Mechanical Engineering/Thermal Power Unit (Energy Studies Group)
Prince Consort Road, South Kensington, LONDON SW7 2AZ, United Kingdom .

Aims: Comparative studies of aspects of national energy policies. Industrial energy use. Power system planning. (Orientation: scientific, technological, economic.)

NAME: Professor W. MURGATROYD; tel.(01) 589 51 11; tex.261503.

Primary Information:

- Reports, Conference proceedings, Theses and dissertations.
- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

Public and private energy enterprise

0411

NATIONAL COAL BOARD (NCB)

Coal Research Establishment (Technical Intelligence Branch)
Coal House, Lyon Road, HARROW-ON-THE-HILL HA1 2EX, United Kingdom .

Aims: Exchange and dissemination of information on science and technology related to the coal and associated industries. (Orientation: scientific, technological.)

NAME: Miss M.D. BARNES, Information Officer; tel.(01) 427 43 33; tex.265393.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Abstracting journals, restricted.
 - Technical Coal Press Abstracts, freq. 12
 - Information Bulletin, Coal Processing and Combustion, freq. 10
 - Coal and Mining Geology Abstracts, freq. 6
 - Fluids Mechanics Abstracts, freq. 6
 - Mineral Products Abstracts, freq. 6
 - Water Abstracts, freq. 6
- Bibliographies, restricted.
- Information analysis and synthesis services, no access.

Public and private energy enterprise

0412

NATIONAL COAL BOARD (NCB)

Headquarters
Hobart House, Grosvenor Place, LONDON SW1X 7AE, United Kingdom .

Aims: Day-to-day running and commercial management of the coal industry. (Orientation: scientific, technological, economic, legal.)

NAME: Miss B. RAMSBOTHAM, Librarian; tel.(01) 235 20 20; tex.22398 and 261960.

Primary Information:

- Periodicals, Reports, Bulletins, Statistical information.
- Coal and Energy Quarterly, freq. 4, available.
- Coal News, freq. 12, available.
- Inbye, not available.
- Management News, not available.
- Statistical Tables, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, restricted.

Public and private energy enterprise

NATIONAL COAL BOARD (NCB)

0413

Mining Research and Development Establishment

Ashby Road, Stanhope Bretby, BURTON-ON-TRENT DE15 0QD, Staffordshire, United Kingdom .

Aims: Research into the basic problems of coal mining and coal preparation; development and testing of new and improved techniques, systems, machines and equipment. (Orientation: scientific, technological.)

NAME: Mr. D.W. FILL., (head of Information Services); tel.(0283) 21 61 61.

Primary Information:

- Reports.
- Annual Report, freq. 1, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, not restricted.
- Translation services, restricted.

Trade and professional organisation

NATIONAL INDUSTRIAL FUEL EFFICIENCY SERVICE LTD. (NIFES)

0414

14, Great Smith Street, LONDON, United Kingdom .

Aims: A consulting engineering and advisory service covering all aspects of energy usage, from the measurement and appraisal of existing services to the design and commissioning of new projects. (Orientation: technological.)

NAME: Mr. F.N. BEVERIDGE, International manager; tel.(01) 222 09 61.

Primary Information:

- Books.
- Fuel Economy Handbook, available.
- Boiler Operators' Handbook, available.
- Project Design, available.
- Introducing NIFES, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

Research centre

NATIONAL PHYSICAL LABORATORY (NPL)

0415

Energy Unit

TEDDINGTON TW11 OLW, Middlesex, United Kingdom .

Aims: The Energy Unit is concerned with energy conservation, and measurement of overall energy requirements in industrial processes. (Orientation: scientific, technological.)

NAME: Dr. J.L. WILSON, Director of Energy Unit; tel.(01) 977 32 22; tex.262344.

Primary Information:

- Reports, Statistical information.
- Annual Report, freq. 1, available.

University and educational establishment

NEWCASTLE-UPON-TYNE UNIVERSITY

0416

Energy Centre

37, Jesmond Road, NEWCASTLE-UPON-TYNE NE1 7RU, United Kingdom .

Aims: Energy resource and usage studies; assessments and advice upon more efficient and economic ways of producing and applying fuels and energy. (Orientation: scientific, technological, economic.)

NAME: Professor Gilbert R. BAINBRIDGE, Director, The Energy Centre; tel.(0632) 81 55 78.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Bulletins, available.

Documentation:

- Consultant services, not restricted.

Public and private energy enterprise

NORTH OF SCOTLAND HYDRO ELECTRIC BOARD (NSHEB)

0417

16, Rothesay Terrace, EDINBURGH EH3 7SE, United Kingdom .

Aims: The Board's Secretariat provides secretarial information and legal services to the Board, including the dissemination of information. (Orientation: legal.)
NAME: Mr. D.A.S. Mac LAREN, Secretary; tel.(031)225 13 61; tex.72480.

Primary Information:

- Reports, Statistical information.
- Annual Report and Accounts, freq. 1, available.
- Statistical information, available.

Documentation:

- Query answering, not restricted.

0418

Information purveyor

OFFSHORE INFORMATION LITERATURE

30, Baker Street, LONDON W1M 2DS, United Kingdom .

Aims: To provide a technical information service covering world literature relating to processes, research, and new developments in every area likely to be of interest to those engaged in, or manufacturing for, the OFFSHORE OIL & GAS INDUSTRY. Abstracts with full references of technical articles, conference papers, research reports, trade literature, books, standards, and patents are published in an informative style and sectionalized for easy reference. (Orientation: scientific, technological, economic, legal.)
NAME: Mrs. Gretchen Elisabeth TAYLOR, Editor; tel.501) 486 53 53, (0273) 73 32 41.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Abstracting journals, not restricted.
 - Offshore Abstracts, freq. 6
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

0419

University and educational establishment

OXFORD UNIVERSITY

Department of Engineering Science

Parks Road, OXFORD OX1 3PJ, United Kingdom .

Aims: Research and development of energy efficient technology including vapour power cycles using heavy molecular weight fluids for small total energy systems, combined cycles (diesel engines and vapour cycles), waste heat utilisation, pedal power for transport and stationary uses. (Orientation: technological.)
NAME: Mr. S.S. WILSON, Lecturer and research supervisor; tel.(0865) 5 99 88.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.

0420

Non-energy enterprise with strong interest in energy

PILKINGTON BROS. LTD.

Environmental Advisory Service

West Park, Prescot Road, ST. HELENS WA10 3TT, Lancashire, United Kingdom .

Aims: The provision of an advisory service to architects and engineers on the use of glass in buildings. (Orientation: technological.)
NAME: Mr G.K. JACKSON; tel.(0744) 2 88 82 ext.2640; tex.627441; cab.Pilks St. Helens.

Primary Information:

- Reports.
- Environmental Advisory Service Reports, freq. 4, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

0421

University and educational establishment

PLYMOUTH POLYTECHNIC

School of Architecture

Palace Court, PLYMOUTH PL4 0EX, Devon, United Kingdom .

Aims: Research into combined solar heating and energy reclamation systems. (Orientation: technological, economic.)
NAME: Mr. Joseph John EVANS, Research, development and lecturing (Senior Lecturer); tel.(0752) 2 13 12.

Primary Information:

- Reports, available.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

University and educational establishment

PLYMOUTH POLYTECHNIC. SCHOOL OF ENGINEERING SCIENCE
PLYMOUTH, PL4 8 AA, United Kingdom .

0422

Aims: Monitoring of flat plate solar collector for the provision of domestic hot water on an existing house. (Orientation: scientific, technological.)
NAME: Dr H.S. WARD, Principal lecturer.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.
- Consultant services, restricted.

University and educational establishment

POLYTECHNIC OF CENTRAL LONDON

0423

Built Environment Research Group
35, Marylebone Road, LONDON NW1 5LS, United Kingdom .

Aims: Construction and monitoring of a solar heated house using solar collector panels as a roof to heat water for central heating and domestic use. A feasibility study to build a group of houses sharing centralised solar heating system with ancillary boiler for space and water heating. (Orientation: technological.)
NAME: Prof. Ray G. MAW, Director of the Built Environment Research Group; tel.(01) 486 58 11; cab.Polytechnic London W1.

Primary Information:

- Reports, Theses and dissertations.
- Reports, available.

University and educational establishment

READING UNIVERSITY

0424

Department of Chemistry
Whiteknights Park, READING RG6 2AH, Berkshire, United Kingdom .

Aims: Chemical utilisation of solar energy. (Orientation: scientific.)
NAME: Professor Derek BRYCE-SMITH, Lecturer; tel.(0734) 8 51 23 ext. 7950/(0734) 8 31 50; tex.847813.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Information purveyor

ROYAL INSTITUTE OF BRITISH ARCHITECTS (RIBA)

0425

Library
66, Portland Place, LONDON W1N 4AD, United Kingdom .

Aims: Professional Institute for architects. Founded 1834 for "the general advancement of architecture and for promoting and facilitating the knowledge of the various arts and sciences connected therewith. (Orientation: technological.)
NAME: Mr. Jan van der WATEREN, Deputy Librarian; tel.(01) 580 55 33.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Statistical information, Others.
- RIBA Journal, freq. 12, available.
- RIBA Booklist, freq. 1, available.
- Journal of Architectural Research and Teaching, freq. 4, available.
- Quarterly Statistical Bulletin, freq. 4, available.
- Architectural Competition News, freq. 12, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - Architectural Periodicals Index, freq. 4
- Bibliographies, not restricted.

Research centre

SAFETY IN MINES RESEARCH ESTABLISHMENT (SMRE)
Red Hill, off Broad Lane, SHEFFIELD S3 7HQ, Yorkshire, United Kingdom .

0426

Aims: Research into health and safety problems in mining and other industries. Subjects include gas detection, gas-ignition risks

respirable dust, fires, explosions, ventilation, accident studies and engineering problems, official testing of equipment, e.g. electrical equipment for use in flammable atmospheres.. (Orientation: technological.)
NAME: Mrs S. PANTRY, Librarian; tel.(0742) 7 81 41.

Primary Information:

- Periodicals, Reports.
- Health and safety Research, freq. 1, available.
- SMRE Reports, available.
- SMRE Digests, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, not restricted.
 - Safety in Mines Abstracts, freq. 6
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.

0427

University and educational establishment

SALFORD UNIVERSITY

Department of Civil Engineering

SALFORD M5 4WT, Lancashire, United Kingdom .

Aims: Research and development of systems associated with the generation of tidal energy and also wave energy. (Orientation: scientific, technological.)

NAME: Professor Eric M. WILSON, Project leader; tel.(061) 736 58 43.

Primary Information:

- Reports, available.
- Conference proceedings, available.
- Theses and dissertations, available.
- Others, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.

0428

University and educational establishment

SALFORD UNIVERSITY

The Industrial Centre for Design and Manufacturing Engineering

SALFORD M5 4WT, Lancashire, United Kingdom .

Aims: Development of thermo-chemical energy storage systems and their application to transport vehicles. (Orientation: technological.)

NAME: Mr. J. HALL, Commercial manager; tel.(061) 736 89 21; tex.668680.

Primary Information:

- Reports, available.

Documentation:

- Consultant services, not restricted.
- Query answering, not restricted.

0429

Public and private energy enterprise

SHELL INTERNATIONAL PETROLEUM CO. LTD.

Central Information and Documentation UASC.3 Shell UK Administrative Services

Shell Centre, LONDON SE1 7NA, United Kingdom .

Aims: To provide advice and services to operating companies engaged in various branches of the oil, chemical, natural gas, metal, nuclear energy and coal businesses world-wide, particularly the financial, marketing and transportation aspects. (Orientation: scientific, technological, economic, legal.)

NAME: Mrs. Jean SANDISON, Head of Central Information, UASC.31; tel.(01) 934 51 27; tex.25781.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Translation services, restricted.

0430

Public and private energy enterprise

SHELL RESEARCH LTD.

Thornton Research Centre

P.O. Box 1, CHESTER CH1 3SH, Cheshire, United Kingdom .

Aims: Research into the application and development of petroleum products, associated fundamental research and research into the transport and storage of crude oil and products. (Orientation: scientific, technological.)
NAME: Mr. Norman L. ANGEL, Head of Technical Information Services; tel.(051) 355 37 55; tex.628633.

Primary Information:

- Reports.
- Research Reports, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.

Trade and professional organisation

0431

SOLID SMOKELESS FUELS FEDERATION

York House, Empire Way, WEMBLEY HA9 0PA, Middlesex, United Kingdom .

Aims: To promote the development of the use of solid smokeless fuels, to encourage satisfactory relations with other kindred interests for this purpose, and to do anything which is conducive or incidental thereto but the Federation shall not carry on any trade in fuel. (Orientation: technological.)

NAME: Mr. D.A. BODDY, Services Officer; tel.(01) 902 54 05.

Primary Information:

- Home Heating for You, available.
- Clean Air for You, available.
- Approved Domestic Solid Fuel Appliances List, available.
- Condensation, available.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

Public and private energy enterprise

0432

SOUTH OF SCOTLAND ELECTRICITY BOARD (SSEB)

Cathcart House, Inverlair Avenue, GLASGOW G44 4BE, United Kingdom .

Aims: Efficient generation and transmission of electrical energy. Promotion of use of electricity as an energy source. (Orientation: technological, economic.)

NAME: Mr. R.T. HARBOUR, Librarian; tel.(041) 637 71 77; tex.77703.

Primary Information:

- Reports.
- Annual Report and Accounts, freq. 1, available.
- Technical Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, no access.
- Library services, not restricted.

Information purveyor

0433

STATISTICS AND MARKET INTELLIGENCE LIBRARY (DEPARTMENT OF INDUSTRY)

Export House, 50, Ludgate Hill, LONDON EC4M 7HU, United Kingdom .

Aims: To maintain a collection of statistical and other publications (including energy statistics) for all overseas countries to facilitate preliminary desk research on overseas markets. To act as the library of the Government Statistic Service for United Kingdom statistics, and as a referral centre to sources of information in the Government Statistical Service. (Orientation: economic.)

NAME: Mr. Lewis FOREMAN, Librarian; tel.(01) 248 57 57 ext. 368 or 369; tex.886143.

Documentation:

- Library services, not restricted.
- Bibliographies, not restricted.

University and educational establishment

0434

STRATHCLYDE UNIVERSITY

Energy Studies Unit

100, Montrose Street, GLASGOW G4 0LZ, United Kingdom .

Aims: Energy based policy studies: energy subsidy to food production: energy and global modelling. (Orientation: technological, economic.)

NAME: Dr. Donald BENNET, Acting Director of Energy Studies Unit; tel.(041) 552 44 00-9.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, not restricted.

0435

University and educational establishment

SUSSEX UNIVERSITY

Science Policy Research Unit
Mantell Building, Falmer, BRIGHTON BN1 9RF, Sussex, United Kingdom .

Aims: Research into strategic developments affecting the long-term energy situation. (Orientation: technological, economic.)
NAME: Mr. A.J. SURREY, Senior Research Fellow; tel.(0273) 68 67 58; tex.(87394-main University library).

Primary Information:

- Reports, available.

Documentation:

- SDI, restricted.
- Library services, restricted.

0436

Trade and professional organisation

TRADES UNION CONGRESS

Library
Congress House, 23-28, Great Russell Street, LONDON WC1B 3LS, United Kingdom .

Aims: The TUC is a voluntary association of British trade unions for industrial purposes, and through it, unions maintain regular relations with Government, employers' organizations and advisory and consultative bodies concerned with social and economic problems. (Orientation: economic.)
NAME: Miss Christine COATES, Chief Librarian; tel.(01) 636 40 30; cab.Tradunic London WC1.

Primary Information:

- Periodicals, Conference proceedings, Others.
- Labour, freq. 12, available.
- Trades Union Congress Economic Review, freq. 1, available.
- Trades Union Congress Report, freq. 1, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.

0437

Public and private energy enterprise

UNITED KINGDOM ATOMIC ENERGY AUTHORITY (UKAEA)
11, Charles II Street, LONDON SW1Y 4QP, United Kingdom .

Aims: 1) Stewardship on behalf of HM Government in atomic affairs generally. 2) Research into new reactor systems, related and safety and environmental matters. 3) Continuing R & D support for Britain's nuclear industry 4) Research using the Authority's special expertise and skills in areas outside the nuclear field. (Orientation: scientific, technological.)
NAME: Mr. Graham STARR, Chief Press Officer; tel.(01) 930 54 54.

Primary Information:

- Periodicals, Reports, Bulletins, Others.
- Atom, freq. 12, available.
- Annual Report and Accounts, freq. 1, not available.
- Monthly Lists of Publications Available to the Public, freq. 12, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.

0438

University and educational establishment

UNIVERSITY OF LONDON KING'S COLLEGE. DEPARTMENT OF PLANT SCIENCES
68, Half Moon Lane, LONDON SE24 9JF, United Kingdom .

Aims: Research in biological solar energy. (Orientation: scientific.)
NAME: Mr. D.O. HALL, Professor; tel.(01) 733-5666/8.

Documentation:

- Query answering, not restricted.

0439

University and educational establishment

UNIVERSITY OF MANCHESTER INSTITUTE OF SCIENCE AND TECHNOLOGY (UMIST)

Department of Civil Engineering
Sackville Street, MANCHESTER M60 1QD, United Kingdom .

Aims: Assessments of the energy costs of civil engineering works. Energy comparison of alternative projects, as an aid to investment policy formulation. Study of the energy implications of construction techniques for use in project planning and management. In association with the Institution of Civil Engineers. (Orientation: technological.)
NAME: Dr. Ian C. HILTON/Mr. P.A. THOMPSON, Project leaders; tel.(061) 236 33 11.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

University and educational establishment

UNIVERSITY OF SURREY. DEPARTMENT OF ECONOMICS
GUILFORD-SURREY, GU2 5XH, United Kingdom .

0440

Aims: Research into various aspects of energy economics including North Sea oil economics, econometric models of energy demand, input-output models of the energy market, analysis of the oil tanker market, energy policy, and interaction between energy policy and environmental policy. (Orientation: economic.)

NAME: Monsieur Colin ROBINSON, Professor of Economics; tel.(0483) 71281.

Primary Information:

- Books, Reports, Conference proceedings, Theses and dissertations.

Research centre

WARREN SPRING LABORATORY

0441

Gunnells Wood Road, STEVENAGE SG1 2BX, Hertfordshire, United Kingdom .

Aims: R & D for the chemicals, mining and process industries. (Orientation: technological.)

NAME: Mr. P.S. HARRIS, Librarian; tel.(0438) 33 88; tex.82250.

Primary Information:

- Reports.
- Annual Review, freq. 1, available.
- Mineral Processing Information Notes, available.

Documentation:

- Query answering, not restricted.
- Consultant services, restricted.

EUROPEAN COMMUNITY

0442

COMMISSION DES COMMUNAUTES EUROPEENNES

Direction Générale Energie
Bâtiment GUIMARD, 200, 1049 BRUXELLES, Belgium .

Orientation: economic, legal.)

NAME: Monsieur René CAP, Information Officer; tel.(02) 735 00 40/735 80 40; tex.21 877 COMEUR.

Primary Information:

- Reports, Conference proceedings, Statistical information.
- COM Reports, freq. 50, not available.
- SEC Reports, freq. 50, not available.
- SI Reports, freq. 5, not available.
- C Reports, freq. 10, not available.
- Conference proceedings, freq. 50, not available.
- Documents statistiques, freq. 10, not available.

0443

COMMISSION DES COMMUNAUTES EUROPEENNES

Direction Générale Information Scientifique et Technique et Gestion de l'Information/Direction A
Bâtiment Jean Monnet, B4 068-C.C.E., LUXEMBOURG, Luxembourg .

Aims: Scientific and technical information and information management. (Orientation: scientific, technological.)
NAME: Monsieur H.L. SCHERFF, Administrateur principal; tel.4301-2938; tex.2752 EURDOC LU.

Primary Information:

- Reports, freq. 120, available.
- Conference proceedings, freq. 2, available.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- SDI, not restricted.
- Library services, not restricted.
- Abstracting journals, not restricted.
 - EURO ABSTRACTS-Euratom and EEC Research (Sect.1), freq. 12
 - EURO ABSTRACTS-Coal and Steel (Sect.2), freq. 12

0444

COMMISSION DES COMMUNAUTES EUROPEENNES

Direction Générale Recherche, Science et Education/Direction C-8
Rue de la Loi,200, 1049 BRUXELLES, Belgium .

Aims: Joint R & D programmes in the field of energy. (Orientation: scientific, technological.)

NAME: Monsieur Albert STRUB, Coordinateur du programme R et D dans le domaine de l'énergie; tel.(02) 735 00 40/735 80 40; tex.21877 COMEUR.

Primary Information:

- Reports, Conference proceedings, Bulletins, Others.
- Reports R & D, freq. 100, not available.
- Conference proceedings, freq. 2, available.
- Bulletins, freq. 5, available.
- Reports of workshops, freq. 5, available.

0445

COMMISSION DES COMMUNAUTES EUROPEENNES

Office des Statistiques (EUROSTAT)
Bâtiment Jean Monnet, B3 091-C.C.E., LUXEMBOURG, Luxembourg .

Aims: Gathering, processing and dissemination of statistics at the Community level. (Orientation: economic.)
NAME: Monsieur Luigi RONCHI, Administrateur principal; tel.4301-2042; tex.3423 COMEUR L.

Primary Information:

- Periodicals, Books, Others.
- Annuaire de Statistiques de l'Energie, freq. 1, available.
- Bulletin trimestriel de Statistiques de l'Energie, freq. 4, available.
- Note rapide-Statistiques de l'Energie électrique, freq. 12, not available.
- Note rapide-Statistiques du Gaz, freq. 12, not available.

- Note rapide-Statistiques du Charbon, freq. 12, not available.
- Note rapide-Statistiques du Pétrole, freq. 12, not available.
- Statistiques de l'Energie électrique, freq. 1, available.
- Statistiques du Charbon, freq. 1, available.
- Statistiques du Gaz, freq. 1, available.
- Exploitation des Centrales nucléaires, freq. 1, available.
- Etude de la Structure de la Consommation d'Energie électrique selon les Critères tarifaires-1976, available.

Documentation:

- Query answering, restricted.
- Library services, restricted.

INTERNATIONAL ORGANISATIONS

- International Organisation** 0446
ASSOCIATION EUROPEENNE OCEANIQUE
Service documentation
Villa Richard, Rue de l'Abbaye, MONACO-VILLE, Monaco .
Aims: To join the Association Members (industrial European Companies) abilities for a best exploitation of the oceans regarding also the environment. (Orientation: technological, economic.)
Documentation:
● Library services, restricted.
● Bibliographies, restricted.
● Information analysis and synthesis services, restricted.
- International Organisation** 0447
ASSOCIATION INTERNATIONALE POUR LE DROIT NUCLEAIRE
Chemin du Trou Martin, 25, 78380 BOUGIVAL, France .
Orientation: legal.)
NAME: Monsieur Jean HEBERT, Président.
Primary Information:
● Conference proceedings.
Documentation:
● Query answering, restricted.
● Retrospective research, restricted.
● Library services, restricted.
● Bibliographies, restricted.
● Translation services, restricted.
● Information analysis and synthesis services, restricted.
- International Organisation** 0448
BANQUE INTERNATIONALE POUR LE FINANCEMENT DE L'ENERGIE NUCLEAIRE (BIFEN)
Service documentation
Rue de la Paix, 9, 75009 PARIS, France .
Aims: Bank investments. (Orientation: technological, economic.)
NAME: Madame OEHMICHEN, Responsable du service documentation; tel.(1) 073 45 15.
Documentation:
● Query answering, restricted.
- International Organisation** 0449
CONCAWE
Van Hogenboucklaan, 60, 2018 S'GRAVENHAGEN, Netherlands .
Aims: The Oil Companies Study Group for conservation of clean air and water in Western Europe. (Orientation: scientific, technological.)
NAME: Mr. C.W. van GELDER, External relations officer; tel.070-264311.
Primary Information:
● Periodicals, Reports, Bulletins, Statistical information.
● Published regulatory guidelines for environmental concern to the oil industry in Western Europe, freq. 2, available.
Documentation:
● Query answering, not restricted.

- Retrospective research, not restricted.
- Library services, not restricted.

International Organisation

0450

CONFERENCE INTERNATIONALE DES GRANDS RESEAUX ELECTRIQUES (CIGRE)

Boulevard Haussmann, 112, 75008 PARIS, France .

Aims: World-wide association of engineers concerned by H.V. electricity problems. Congresses every two years. (Orientation: technological.)

NAME: Mademoiselle DOURY, Chef du service administratif; tel.(1) 522 65 12; cab.CIGRE.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- Electra, freq. 6, available.

Documentation:

- Library services, restricted.
- Translation services, restricted.

International Organisation

0451

COOPERATION MEDITERRANEENNE POUR L'ENERGIE SOLAIRE (COMPLES)

Laboratoire d'Electricité et d'Héliotechnique, Faculté des Sciences, Traverse de la Barasse, 13 MARSEILLE-St. JEROME, France .

Aims: Joint meetings between members each year. (Orientation: scientific, technological.)

NAME: Monsieur PERROT; tel.(91) 33 41 02.

Primary Information:

- Periodicals, Conference proceedings.
- Revue internationale d'Héliotechnique, freq. 3, available.

International Organisation

0452

EUROPEAN FUEL INFORMATION CENTER (EFIC)

Place de la Riponne, 5, CH 1000 LAUSANNE 17, Switzerland .

Aims: To make available to the European fuel oil trade, such information and training as may be necessary for competitive trade in liquid fuels, especially by the way of press-service, seminars and information meetings. (Orientation: economic, legal.)

NAME: Monsieur W. SCHMIDT, Directeur; tel.(021) 22 44 06; tex.25874F NCSR CH.

Primary Information:

- Periodicals, Reports, Conference proceedings, Others.
- TAP-lines, available.

Documentation:

- Query answering, not restricted.

International Organisation

0453

EUROPEAN INSULATION MANUFACTURERS ASSOCIATION (EURIMA)

Rue Nicolas Welter, 8, LUXEMBOURG, Luxembourg .

Aims: To promote the conservation of energy by insulation. (Orientation: technological, economic.)

NAME: Monsieur Werner LINANDER, Secrétaire général; EURIMA, Algade, 5-7, DK. 4000 ROSKILDE, Denmark; tel.453 36 67 36; tex.16 6000 Fotex DK-att: EURIMA SEKR; cab.EURIMASEKR.

Primary Information:

- Reports, Conference proceedings, Bulletins.
- Eurima News, freq. 2, available.

Documentation:

- Query answering, not restricted.

International Organisation

0454

INSTITUT ATLANTIQUE DES AFFAIRES INTERNATIONALES

Rue de Longchamp, 120, 75016 PARIS, France .

Aims: Private association specialized in the economic and political problems of Atlantic countries. (Orientation: economic.)

NAME: Madame Olivia FREEMAN, Madame Catherine YELLOZ, Responsables de la bibliothèque; tel.(1) 727 24 36.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- Atlantic Papers, freq. 6, available.
- News Letters, freq. 2, available.
- Young leaders' conferences, freq. 2, available.
- Conférence des gouverneurs, freq. 2, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0455

INTERNATIONAL FLAME RESEARCH FOUNDATION (IFRF)

c/o Hoogovens, IJMUIDEN, Netherlands .

Aims: To undertake solid research in the field of energy conversion, i.e. combustion and heat transfer of gaseous, liquid and solidfuel flames to make results and experience available to member organizations for the further development of industrial applications. (Orientation: scientific, technological.)

NAME: Dr. Ing. S. MICHELFELDER, Director of the Research Station; tel.02510-93064; tex.41111; cab.Flames Hoogovens IJmuiden.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, not restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Consultant services, restricted.

International Organisation

0456

INTERNATIONAL INSTITUTE FOR GEOTHERMAL RESEARCH

Lungarno Pacinotti, 55, PI 56100 PISA, Italy .

Aims: Research and utilisation of geothermal resources. (Orientation: scientific.)

NAME: Dr. Mario FANELLI; tel.41503; cab.Geotermico Pisa.

Primary Information:

- Periodicals.
- GEOTHERMICS. International journal of geothermal Research, freq. 4, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Research centre

0457

INTERNATIONAL INSTITUTE FOR MANAGERIAL SCIENCE

Poortweg, 6, Delft, Netherlands .

Aims: Development of scientific management. (Orientation: scientific, economic.)

NAME: Ir. J.C. SCHENFELD, Managing Director; tel.015-569254.

Primary Information:

- Reports, available.
- Theses and dissertations, available.

Documentation:

- Query answering, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0458

INTERNATIONAL RESEARCH AND DEVELOPMENT COMPANY LIMITED

Fossway, NEWCASTLE-UPON-TYNE NE6 2YD, United Kingdom .

Aims: To undertake contract research and development, and provide technical services and consultancy in the fields of electrical, mechanical and electronic engineering, materials, physics, chemistry and biotechnology. (Orientation: scientific, technological, scientific, technological.)

NAME: Mr. R. ATKINSON, Head of Technical Administration; tel.(0632) 65 04 51; tex.537086; cab.IRDCO Newcastle-upon-Tyne.

Primary Information:

- Periodicals, Reports, Periodicals, Conference proceedings.
- The Sun at Work in Britain, freq. 2, available.
- Reports, available.

Documentation:

- Consultant services, restricted.
- Query answering, not restricted.
- Bibliographies, not restricted.
- Consultant services, not restricted.

International Organisation

0459

INTERNATIONAL SOLAR POWER CO. LTD
Noerrebakken, 26, 2820 GENTOFTE, Denmark .

Aims: Research, development and documentation on solar energy. (Orientation: technological.)
NAME: Hr. A. EGGERS-LURA, Director; tel.(01) 65-88-41.

Documentation:

- Query answering, not restricted.
- Retrospective research, not restricted.
- Bibliographies, not restricted.
- Consultant services, not restricted.

International Organisation

0460

ORGANISATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)

Information Service

Rue André Pascal, 2, 75775 PARIS CEDEX 16, France .

Aims: Coordination of energy policies; continual assessment of long-term energy prospects; long-term programme of energy cooperation (conservation, alternative sources, R & D); information on international oil and energy markets on relations between oil producing and consuming countries. Nuclear energy for peaceful purposes (NEA). (Orientation: scientific, technological, economic, legal.)

NAME: Mr. James R. WEST, Head of Information Service; tel.(1) 524 82 00; tex.620 160 OCDE; cab.DEVELOPECONOMIE.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Statistical information.
- Provisional oil statistics by quarters, freq. 4, available.
- Nuclear law bulletin, freq. 2, available.
- Energy statistics, freq. 1, available.

International Organisation

0461

ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)

Main Library

Rue André Pascal, 2, 75775 PARIS CEDEX 16, France .

Aims: To promote the economic cooperation and development of the Members countries. (Orientation: economic.)

NAME: Madame Reine CORMIER, Chef de la Bibliothèque; tel.(1) 524 81 07.

Documentation:

- Retrospective research, restricted.
- SDI, restricted.
- Library services, not restricted.
- Bibliographies, restricted.

International Organisation

0462

PERMANENT COUNCIL OF THE WORLD PETROLEUM CONGRESS

61, New Cavendish Street, LONDON W1M 8AR, United Kingdom .

Aims: To promote and advance petroleum science and technology on an international scale, by holding international congresses and providing for the exchange of scientific and technical information and knowledge among the petroleum scientists and technologists of the world. (Orientation: scientific, technological.)

NAME: Mr. Derek Charles PAYNE, Secretary-Général; tel.(01) 636 10 04; tex.264380; cab.Worpetress London W1.

Primary Information:

- Conference proceedings.
- Congress Proceedings, freq. 1 every four years, available.

International Organisation

0463

UNION INTERNATIONALE DES DISTRIBUTEURS DE CHALEUR (UNICHAL)

Rue de Bercy, 185, 75012 PARIS, France .

Aims: International professional organization for heat distribution. (Orientation: technological.)

NAME: Monsieur PILIPINCO, Directeur administratif; tel.(1) 345 50 30.

Primary Information:

- Periodicals, Statistical information.
- Bulletin de l'UNICHAL, available.

International Organisation

0464

UNION INTERNATIONALE D'ELECTROTHERMIE (U.I.E.)

Rue de Prony, 25, 75017 PARIS, France .

Aims: To promote the applications of electricity for heating purposes. Congress every four year. (Orientation: scientific, technological.)

NAME: Madame Marie-Françoise LUMINET; tel.(1) 227 96 66.

Primary Information:

- Conference proceedings, available.
- Bulletins, available.

Documentation:

- Query answering, not restricted.
- Bibliographies, not restricted.

International Organisation

0465

UNION INTERNATIONALE DES PRODUCTEURS ET DISTRIBUTEURS D'ENERGIE ELECTRIQUE (UNPEDE)

Avenue de Friedland, 39, 75008 PARIS, France .

Aims: Studies on Production, transfer, distribution, prices and uses of electrical energy, and environment protection, in relation with other international organizations, such as WPC, CIGRE, UIE. (Orientation: technological, economic.)

NAME: Monsieur MOLLON; tel.(1) 764 55 34.

Primary Information:

- Periodicals, Reports, Conference proceedings, Statistical information.
- L'Economie électrique, freq. 4, available.
- Rapports internes du Comité d'Etude Terminologie, available.
- Statistiques internationales de production et consommation d'énergie électrique, freq. 1, available.

International Organisation

0466

UNITED NATIONS ORGANIZATION (UNO)

Economic Commission for Europe (ECE)/Energy division

Palais des Nations, Bureau 402, 10 GENEVE, Switzerland .

Aims: To increase the level of the European economic activities. To maintain and make stronger the economic relationship among the European countries and between these countries and the rest of the world. (Orientation: scientific, technological, economic.)

NAME: Monsieur Edmond F. JANSSENS, Directeur; tel.(022) 34 60 11.

Primary Information:

- Periodicals, Reports, Conference proceedings, Statistical information.
- Annual Bulletin of Energy Statistics for Europe, freq. 1, available.
- Annual Bulletin of Coal Statistics for Europe, freq. 1, available.
- Annual Bulletin of Electric Power Statistics for Europe, freq. 1, available.
- Annual Bulletin of Gas Statistics for Europe, freq. 1, available.
- Half-Yearly Bulletin of Electric Power Statistics for Europe, freq. 2, available.
- Quarterly Bulletin of Coal Statistics for Europe, freq. 4, available.

Documentation:

- Retrospective research, restricted.
- Information analysis and synthesis services, restricted.

International Organisation

0467

UNITED NATIONS ORGANIZATION (UNO)

Statistical Office

NEW YORK 1007, N.Y., United States .

Orientation: economic.)

NAME: Mr. S.A. GOLDBERG, Director; tel.(212) 754 12 34.

Primary Information:

- Periodicals, Statistical information.
- World Energy Supplies, freq. 1, available.

International Organisation

0468

WORLD ENERGY CONFERENCE (WEC)

St Jame's Street, 34, LONDON SW1A 1HD, United Kingdom .

Aims: The organization of international conferences and study committees on energy considering the potential resources and all means of production, transportation, transformation and utilisation of energy, energy consumption in overall relationship to economic activity and collecting and publishing data in these matters. (Orientation: technological, economic.)

NAME: Mr. Eric RUTTLEY, Secretary-General; tel.(01) 930 39 66; tex.21120 mono ref.1172; cab.WENERCON.

Primary Information:

- Reports, Conference proceedings, Statistical information.
- Transactions of World Power Conference 1924-1966, some available.
- Survey of World Energy Resources 1974, freq. every six years, available.
- Transactions of World Energy Conference 1968-1974, some available.

Documentation:

- Query answering, not restricted
 - Translation services, no access
 - Consultant services, no access
 - Information analysis and synthesis services, no access
 - Others, not restricted
- Directory of Energy Information Centres of the world

0008 0133 0183 0197 0200 0201 0203 0247 0277 0361 0391 0455
tidal energy
0077 0143 0163 0248 0275 0288 0356
wind energy
0077 0108 0143 0154 0163 0247 0248 0275 0288 0305 0331 0387
wood and plants
0143 0247

ASSESSMENT AND EVALUATION

biological processes
0133 0218 0342
coal
0034 0201 0212 0218 0230 0245 0249 0256 0261 0268 0275 0316 0376 0387 0412
direct methods
0133 0323 0374 0432
electricity
0014 0034 0077 0137 0189 0207 0212 0245 0246 0257 0261 0265 0268 0275 0316 0319
0323 0373 0374 0376 0387 0388 0410 0417 0464
general
0041 0051 0063 0079 0098 0126 0132 0133 0146 0158 0201 0205 0210 0212 0229 0234
0256 0257 0261 0263 0265 0268 0275 0286 0316 0319 0332 0333 0344 0365 0369 0376
0378 0382 0385 0387 0391 0396 0410 0414 0416 0435 0442
geothermal energy
0133 0163 0245 0249 0256 0261 0263 0268 0275 0432
hydroelectric power
0077 0163 0261 0268 0275 0410 0417 0427
hydrogen
0133 0137 0201 0263 0297 0319 0387 0410 0432
magnetohydrodynamic power
0133 0257 0319 0374 0432
manufactured gas
0008 0034 0101 0133 0201 0212 0245 0249 0283 0319 0361 0387
natural gas
0008 0034 0133 0137 0189 0201 0212 0221 0230 0245 0249 0261 0268 0275 0283 0312
0316 0319 0332 0361 0376 0387 0390 0391 0397 0402 0430
nuclear energy, fission
0022 0034 0077 0123 0160 0201 0205 0212 0240 0245 0246 0249 0257 0261 0263 0265
0268 0275 0316 0319 0365 0366 0397 0406 0410 0437
nuclear energy, plasma, fusion
0160 0201 0245 0257 0261 0265 0319 0365 0366 0406 0410 0432 0437
oil
0034 0133 0137 0201 0212 0230 0245 0249 0261 0268 0275 0283 0312 0316 0332 0376
0387 0390 0391 0397 0398 0402 0430
oil shales and tar sands
0133 0230 0245 0256 0261 0268 0275
other sources
0181 0261 0297 0374
recovery processes
0133 0205 0212 0249 0268 0275 0316 0367 0368 0376 0387 0410 0425
solar energy
0236 0245 0261 0263 0268 0287 0312 0316 0319 0342 0376 0423 0432 0458
substituted natural gas
0008 0101 0133 0201 0212 0245 0297 0319 0361 0387 0391
tidal energy
0077 0163 0245 0356 0410 0427 0432
wind energy
0077 0163 0245 0312 0316 0319 0387 0432
wood and plants
0218 0297

CONSERVATION

biological processes	0133	0247	0310																
coal	0034	0056	0104	0200	0201	0203	0212	0247	0248	0249	0256	0261	0271	0275	0376	0377			
	0387	0407	0412	0431	0455	0466													
direct methods	0034	0133	0285	0304	0316														
electricity	0023	0056	0179	0208	0212	0261	0266	0270	0271	0275	0280	0281	0316	0319	0323	0373			
	0376	0377	0387	0388	0407	0417	0432	0466											
general	0010	0034	0043	0049	0053	0054	0072	0073	0079	0098	0126	0132	0133	0142	0187	0201			
	0208	0210	0212	0217	0236	0247	0248	0256	0261	0263	0270	0271	0275	0276	0280	0281			
	0319	0369	0376	0377	0378	0380	0381	0382	0387	0391	0396	0398	0410	0414	0415	0416			
	0435	0439	0439	0441	0442	0444	0455	0466											
geothermal energy	0133	0248	0249	0256	0261	0263	0270	0275	0280										
hydroelectric power	0034	0248	0261	0266	0270	0275	0280	0281	0466										
hydrogen	0133	0201	0203	0247	0263	0275	0276	0277											
magnetohydrodynamic power	0133	0248	0319																
manufactured gas	0008	0034	0056	0133	0201	0203	0212	0247	0248	0249	0271	0277	0283	0361	0376	0407			
	0455	0466																	
natural gas	0008	0023	0034	0056	0133	0165	0173	0201	0203	0212	0245	0247	0248	0249	0261	0271			
	0275	0276	0277	0283	0287	0323	0336	0361	0376	0377	0387	0391	0402	0407	0455	0466			
nuclear energy, fission	0201	0247	0248	0249	0261	0263	0269	0270	0275	0276	0280	0319							
nuclear energy, plasma, fusion	0201	0248	0261	0269	0280														
oil	0020	0023	0034	0056	0133	0165	0173	0201	0203	0212	0217	0245	0247	0248	0249	0261			
	0271	0275	0276	0277	0283	0287	0336	0346	0376	0377	0387	0391	0397	0402	0407	0434			
	0455																		
oil shales and tar sands	0133	0245	0247	0256	0261	0275													
other sources	0181	0261																	
recovery processes	0133	0203	0208	0212	0247	0249	0269	0285	0297	0304	0316	0319	0323	0330	0331	0336			
	0367	0376	0383	0384	0407	0420	0425	0453											
solar energy	0179	0195	0247	0248	0261	0263	0270	0275	0276	0280	0287	0310	0376						
substituted natural gas	0008	0056	0133	0201	0203	0212	0247	0277	0361	0376	0455								
tidal energy	0248	0356																	
wind energy	0247	0248	0310																
wood and plants	0056	0247	0297																

DISTRICT HEATING

oil	0083
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EARTH AND ATMOSPHERIC SCIENCES

general	0233
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ELECTRICAL EQUIPMENT

general
0018

ENERGY CONSUMPTION

general
0120 0171 0178
oil
0171

ENVIRONMENT

direct methods
0293 0312
electricity
0293
solar energy
0293
tidal energy
0356

EXPLOITATION AND DEVELOPMENT OF RESOURCES

biological processes
0133 0162 0218 0309 0310 0328 0342
coal
0024 0026 0030 0034 0056 0084 0091 0104 0199 0200 0218 0230 0245 0248 0256 0268
0271 0288 0322 0331 0396 0412 0431 0434 0435 0443 0466
direct methods
0133 0323 0432
electricity
0029 0038 0056 0077 0245 0266 0268 0271 0288 0309 0322 0323 0331 0432 0466
general
0024 0041 0055 0060 0098 0116 0133 0210 0223 0229 0232 0248 0256 0268 0271 0322
0396 0440 0442 0466
geothermal energy
0091 0133 0143 0161 0163 0245 0248 0256 0268 0432 0434 0456
hydroelectric power
0034 0077 0163 0248 0266 0268 0288 0417 0427 0432 0466
hydrogen
0124 0133 0248 0253 0380 0410
magnetohydrodynamic power
0133 0248 0301
manufactured gas
0056 0084 0124 0133 0245 0248 0271 0466
natural gas
0024 0056 0084 0091 0124 0133 0162 0165 0174 0199 0221 0230 0245 0248 0268 0271
0288 0322 0328 0382 0390 0396 0397 0398 0402 0434 0435 0440 0466
nuclear energy, fission
0022 0034 0077 0123 0160 0188 0245 0248 0253 0268 0316 0331 0366 0406 0432 0434
0443
nuclear energy, plasma, fusion
0160 0188 0245 0248 0253 0308 0316 0331 0406
oil
0024 0056 0084 0091 0133 0144 0162 0165 0174 0199 0230 0245 0248 0268 0271 0288
0297 0322 0382 0390 0396 0397 0398 0402 0434 0435 0440
oil shales and tar sands
0133 0165 0174 0230 0245 0256 0268 0396 0398

other sources

0084 0181 0322 0374

recovery processes

0124 0133 0188 0268 0271 0383 0384 0441

solar energy

0082 0099 0143 0152 0161 0195 0245 0248 0253 0268 0285 0287 0309 0310 0317 0329
0342 0343 0408 0432 0434 0458

substituted natural gas

0056 0133 0200 0245

tidal energy

0077 0143 0163 0245 0248 0288 0356 0427 0432

wind energy

0077 0143 0163 0245 0248 0288 0301 0309 0310 0322 0380 0432 0434

wood and plants

0056 0143 0218 0434

FORECASTING

biological processes

0133

coal

0015 0030 0034 0084 0085 0093 0104 0105 0187 0190 0199 0201 0212 0230 0248 0261
0268 0271 0273 0312 0316 0377 0387 0396 0398 0412 0431 0432 0466 0468

direct methods

0133 0192

electricity

0034 0059 0077 0093 0179 0187 0190 0199 0211 0212 0246 0257 0261 0265 0266 0268
0270 0271 0273 0280 0312 0316 0318 0319 0337 0373 0377 0387 0388 0398 0410 0417
0432 0440 0464 0466 0468

general

0034 0040 0050 0063 0079 0089 0098 0103 0110 0114 0133 0140 0146 0156 0168 0187
0190 0199 0201 0210 0216 0224 0229 0232 0234 0246 0248 0257 0258 0261 0265 0268
0270 0271 0276 0280 0286 0319 0330 0332 0333 0337 0377 0385 0387 0391 0396 0410
0416 0435 0442 0457 0466 0468

geothermal energy

0133 0163 0168 0248 0261 0268 0270 0273 0280 0468

hydroelectric power

0034 0077 0093 0163 0248 0261 0266 0268 0270 0273 0280 0466 0468

hydrogen

0133 0192 0201 0248 0276 0319 0410

magnetohydrodynamic power

0133 0248 0257 0319 0468

manufactured gas

0034 0084 0093 0133 0182 0187 0190 0201 0212 0248 0271 0273 0283 0319 0398 0466
0468

natural gas

0034 0084 0093 0125 0133 0182 0187 0190 0201 0212 0230 0248 0261 0268 0271 0273
0276 0283 0312 0316 0319 0332 0377 0387 0390 0391 0396 0398 0432 0440 0466 0468

nuclear energy, fission

0034 0077 0188 0201 0212 0246 0248 0257 0261 0265 0268 0270 0276 0280 0312 0316
0319 0332 0366 0396 0406 0410 0432 0437 0468

nuclear energy, plasma, fusion

0188 0201 0246 0248 0257 0261 0265 0280 0319 0366 0410 0437 0468

oil

0020 0034 0083 0084 0093 0133 0144 0187 0190 0198 0201 0212 0230 0248 0261 0268
0271 0273 0276 0283 0312 0316 0318 0332 0377 0387 0390 0391 0396 0398 0432 0440
0468

oil shales and tar sands

0133 0230 0261 0268 0398 0468

other sources

0084 0181 0261 0468

recovery processes

0133 0156 0187 0188 0192 0212 0268 0271 0280 0367 0368 0410 0468

solar energy
 0156 0179 0192 0246 0248 0261 0268 0270 0276 0280 0319 0458 0468

substituted natural gas
 0133 0182 0187 0201 0212 0319 0391 0398 0468

tidal energy
 0077 0163 0248 0468

wind energy
 0077 0163 0192 0248 0319 0387 0468

wood and plants
 0297 0468

GENERAL

biological processes
 0218 0239 0247 0290 0293 0303 0314 0325 0326

coal
 0024 0030 0034 0183 0194 0199 0204 0218 0222 0247 0275 0296 0324 0335 0340 0358
 0376 0387 0412 0436 0440 0468

direct methods
 0109 0205 0289 0290 0291 0293 0294 0295 0298 0300 0303 0320 0326 0335 0348 0349

electricity
 0001 0021 0034 0183 0189 0194 0199 0204 0211 0235 0251 0275 0292 0293 0294 0295
 0298 0300 0314 0321 0326 0335 0348 0376 0387 0388 0404 0436 0440 0468

general
 0024 0028 0033 0035 0062 0064 0118 0148 0194 0199 0216 0228 0238 0239 0247 0262
 0275 0293 0294 0296 0302 0309 0311 0313 0320 0322 0324 0326 0332 0333 0334 0335
 0347 0350 0352 0363 0365 0378 0387 0398 0399 0416 0417 0419 0440 0460 0468

geothermal energy
 0034 0109 0275 0326 0335 0345 0388 0468

hydroelectric power
 0034 0150 0204 0211 0235 0275 0388 0427 0436 0468

hydrogen
 0034 0247 0275 0292 0320 0326 0335 0349 0380 0380

magnetohydrodynamic power
 0109 0348 0468

manufactured gas
 0019 0030 0034 0183 0204 0247 0262 0303 0320 0335 0339 0349 0358 0361 0376 0387
 0405 0440 0468

natural gas
 0019 0024 0030 0034 0174 0194 0204 0221 0247 0262 0272 0275 0290 0296 0320 0324
 0335 0349 0358 0361 0376 0387 0390 0405 0436 0440 0468

nuclear energy, fission
 0034 0109 0159 0184 0194 0204 0205 0211 0215 0240 0247 0292 0295 0300 0319 0321
 0326 0335 0341 0348 0365 0436 0437 0440 0468

nuclear energy, plasma, fusion
 0034 0109 0159 0215 0275 0335 0338 0365 0388 0436 0437 0468

oil
 0009 0024 0034 0174 0194 0204 0247 0262 0272 0275 0282 0296 0324 0335 0348 0376
 0387 0390 0436 0440 0449 0462 0468

oil shales and tar sands
 0174 0204 0247 0262 0275 0335 0440 0468

other sources
 0181 0296 0335 0388 0468

recovery processes
 0187 0205 0247 0275 0289 0293 0294 0295 0300 0303 0314 0320 0325 0326 0335 0339
 0349 0367 0376 0384 0387 0388 0421 0436 0468

solar energy
 0034 0109 0177 0194 0195 0205 0239 0247 0275 0289 0293 0295 0298 0300 0303 0325
 0326 0348 0376 0380 0380 0388 0421 0440 0451 0468

substituted natural gas
 0183 0247 0320 0335 0349 0358 0361 0376 0387 0405 0440 0468

tidal energy
0150 0275 0291 0388 0427 0468

wind energy
0034 0247 0275 0292 0298 0326 0348 0380 0380 0387 0388 0468

wood and plants
0218 0247 0314 0326 0335 0339 0468

GEOLOGICAL SURVEYS

coal
0400

oil
0400

HEALTH AND SAFETY

biological processes
0034

coal
0025 0026 0030 0034 0104 0147 0183 0200 0201 0203 0248 0249 0256 0271 0288 0319
0412 0426 0443

electricity
0027 0029 0034 0038 0127 0154 0207 0257 0271 0288 0316 0374 0387 0388 0417 0432

general
0051 0079 0108 0146 0147 0201 0205 0217 0229 0248 0256 0257 0263 0271 0365 0376
0380 0391 0396 0398 0410

geothermal energy
0248 0249 0256 0263

hydroelectric power
0034 0248 0288

hydrogen
0034 0201 0203 0248 0253 0263 0277

magnetohydrodynamic power
0248 0257

manufactured gas
0008 0034 0201 0203 0248 0249 0271 0277 0361

natural gas
0008 0027 0034 0201 0203 0221 0248 0249 0271 0277 0288 0361 0391 0402

nuclear energy, fission
0034 0042 0045 0160 0188 0201 0205 0240 0246 0248 0249 0253 0257 0263 0316 0319
0365 0366 0371 0406 0410 0432 0437 0443

nuclear energy, plasma, fusion
0042 0045 0147 0160 0188 0201 0248 0253 0257 0319 0365 0366 0374 0406 0437

oil
0020 0034 0201 0203 0217 0248 0249 0271 0277 0288 0319 0391 0402 0449

oil shales and tar sands
0256

other sources
0127 0181

recovery processes
0034 0188 0203 0207 0249 0271 0384

solar energy
0154 0248 0253 0263

substituted natural gas
0008 0201 0203 0277 0361

tidal energy
0248 0288

wind energy
0154 0248 0288

LEGISLATION AND REGULATION

biological processes
0133

coal
0030 0034 0085 0108 0145 0147 0169 0199 0201 0204 0212 0377 0382 0412

direct methods
0133

electricity
0027 0034 0038 0127 0129 0145 0154 0204 0212 0265 0280 0281 0316 0377 0382 0388
0410 0417 0432 0465

general
0063 0079 0097 0108 0114 0115 0116 0133 0142 0147 0201 0204 0212 0217 0227 0229
0231 0232 0237 0265 0280 0281 0376 0376 0377 0382 0391 0396 0398 0410 0442

geothermal energy
0133 0143 0280 0456

hydroelectric power
0129 0204 0280 0281 0417

hydrogen
0108 0133 0172 0201

magnetohydrodynamic power
0133

manufactured gas
0034 0106 0108 0133 0145 0182 0199 0201 0204 0212 0283 0361 0382

natural gas
0019 0027 0034 0090 0097 0106 0108 0133 0145 0172 0182 0199 0201 0204 0212 0221
0283 0361 0377 0382 0390 0391 0402

nuclear energy, fission
0022 0034 0123 0201 0204 0212 0255 0265 0280 0316 0319 0366 0382 0406 0410 0432
0437 0447 0465

nuclear energy, plasma, fusion
0201 0255 0265 0280 0366 0406 0410 0437 0447

oil
0020 0034 0090 0097 0108 0133 0144 0169 0199 0201 0204 0212 0217 0283 0377 0382
0390 0391 0398 0402 0449

oil shales and tar sands
0133 0204

other sources
0108 0127 0181

recovery processes
0097 0108 0133 0172 0212 0280 0281 0367 0384 0410 0420 0425

solar energy
0143 0154 0172 0280 0458

substituted natural gas
0133 0182 0199 0201 0212 0361 0391

tidal energy
0143

wind energy
0143 0154

wood and plants
0143

MARKETING AND DISTRIBUTION

biological processes
0133 0162

coal
0030 0034 0105 0199 0248 0268 0377 0396 0412 0431 0466

direct methods
0133

electricity
0029 0034 0038 0058 0059 0117 0207 0211 0266 0268 0280 0316 0373 0377 0388 0396
0417 0432 0465 0466

general
0034 0098 0117 0133 0168 0208 0248 0263 0268 0280 0377 0385 0391 0396 0398 0442
0463 0466

geothermal energy
0133 0161 0168 0248 0263 0268

hydroelectric power
0248 0266 0268 0280 0466

hydrogen
0133 0263 0410

magnetohydrodynamic power
0133 0248

manufactured gas
0106 0124 0133 0182 0248 0250 0283 0396 0452 0466

natural gas
0034 0106 0124 0125 0133 0162 0165 0166 0182 0221 0245 0248 0250 0268 0283 0377
0390 0391 0396 0402 0440 0466

nuclear energy, fission
0248 0263 0268 0280 0366 0396

nuclear energy, plasma, fusion
0248

oil
0020 0034 0083 0133 0144 0162 0165 0245 0248 0268 0283 0377 0390 0391 0396 0402
0410 0440 0452

oil shales and tar sands
0133 0245 0268

other sources
0181

recovery processes
0133 0207 0268 0453

solar energy
0161 0248 0263 0268 0287

substituted natural gas
0133 0182

tidal energy
0248 0356

wind energy
0248

METHODOLOGY, SYSTEMS MODELLING

biological processes
0133 0342

coal
0030 0104 0200 0201 0203 0248 0256 0261 0268 0271 0288 0387 0410 0412 0455 0466

direct methods
0133 0287 0316 0346 0434

electricity
0029 0077 0164 0207 0257 0261 0268 0271 0288 0316 0318 0374 0387 0410 0417 0432
0434 0458 0466

general
0050 0093 0098 0132 0133 0158 0201 0205 0210 0212 0216 0234 0248 0256 0257 0261
0268 0271 0298 0318 0319 0323 0327 0330 0333 0342 0344 0369 0376 0376 0380 0387
0391 0398 0410 0414 0440 0444 0466

geothermal energy
0133 0248 0256 0261 0268 0456

hydroelectric power
0077 0248 0261 0268 0288 0395 0410 0417 0466

hydrogen
0133 0201 0203 0248 0253 0330 0410 0434

magnetohydrodynamic power
0133 0248 0257

manufactured gas
0133 0201 0203 0248 0271 0361 0455 0466

natural gas
0125 0133 0201 0203 0248 0261 0268 0271 0288 0361 0387 0390 0391 0397 0440 0455
0466

nuclear energy, fission
0077 0188 0197 0201 0205 0248 0253 0257 0261 0268 0316 0366 0410 0432 0434 0437

nuclear energy, plasma, fusion
0188 0201 0248 0253 0257 0261 0366 0410 0437

oil
0133 0201 0203 0248 0261 0268 0271 0288 0387 0390 0391 0410 0434 0440 0455

oil shales and tar sands
0133 0256 0261 0268 0434

other sources
0181 0261 0374

recovery processes
0133 0188 0203 0205 0207 0268 0271 0367 0368 0384 0410 0455

solar energy
0128 0161 0195 0248 0253 0261 0268 0287 0370 0423 0434 0458 0458

substituted natural gas
0133 0201 0203 0361 0391 0455

tidal energy
0077 0248 0288 0356

wind energy
0077 0248 0288 0380 0434

PATENTS

general
0231

PLANNING AND MANAGEMENT

coal
0030 0084 0085 0093 0104 0105 0183 0199 0201 0248 0275 0316 0377 0398 0410 0412
0432 0440

direct methods
0316 0410

electricity
0077 0093 0275 0316 0373 0377 0388 0397 0410 0417 0432 0440 0465

general
0040 0079 0098 0103 0110 0114 0116 0125 0140 0142 0156 0158 0168 0201 0205 0210
0216 0229 0248 0263 0275 0276 0311 0316 0327 0332 0369 0377 0378 0382 0385 0391
0396 0410 0414 0439 0440 0442 0457

geothermal energy
0163 0168 0248 0263 0465

hydroelectric power
0077 0093 0163 0248 0275 0410 0417 0432

hydrogen
0201 0248 0263 0276 0410

magnetohydrodynamic power
0248 0319

manufactured gas
0084 0093 0182 0201 0248 0440

natural gas
0084 0093 0182 0201 0221 0248 0275 0276 0316 0332 0377 0390 0391 0397 0410 0432
0440

nuclear energy, fission
0077 0160 0201 0205 0246 0248 0263 0275 0276 0316 0319 0366 0406 0410 0432 0437
0440 0465

nuclear energy, plasma, fusion
0160 0201 0246 0248 0366 0406 0410 0437

oil
0020 0084 0093 0144 0199 0201 0248 0275 0276 0316 0332 0377 0390 0391 0397 0398
0410 0432 0440 0449

oil shales and tar sands
0275 0440

other sources
0084

recovery processes
0156 0316 0367 0368 0384 0425

solar energy
0156 0248 0263 0276 0440 0465

substituted natural gas
0182 0199 0201 0391 0440

tidal energy
0077 0163 0248 0356

wind energy
0077 0163 0248 0319

POLICY FORMULATION

coal
0030 0034 0085 0104 0145 0183 0199 0204 0212 0245 0248 0256 0261 0275 0377 0398
0410 0412 0432 0440 0468

direct methods
0410

electricity
0034 0038 0145 0204 0212 0245 0257 0261 0265 0280 0281 0316 0337 0377 0388 0410
0417 0432 0434 0440 0465 0468

general
0034 0063 0079 0103 0110 0114 0115 0116 0132 0140 0142 0197 0204 0207 0210 0212
0216 0229 0232 0248 0256 0257 0261 0265 0275 0276 0280 0281 0327 0332 0337 0369
0377 0382 0385 0391 0396 0410 0415 0416 0417 0435 0439 0440 0442 0454 0457 0468

geothermal energy
0245 0248 0256 0261 0275 0280 0465 0468

hydroelectric power
0034 0204 0248 0261 0275 0280 0281 0410 0417 0432 0468

hydrogen
0248 0275 0276 0410 0434

magnetohydrodynamic power
0248 0257 0275 0468

manufactured gas
0034 0145 0182 0199 0204 0212 0245 0248 0283 0398 0440 0468

natural gas
0034 0090 0145 0165 0182 0199 0204 0212 0221 0245 0248 0261 0275 0276 0283 0332
0377 0390 0391 0398 0410 0432 0440 0468

nuclear energy, fission
0160 0204 0212 0245 0246 0248 0257 0261 0265 0275 0276 0280 0366 0410 0432 0434
0437 0440 0465 0468

nuclear energy, plasma, fusion
0160 0245 0248 0257 0261 0265 0275 0280 0366 0410 0437 0468

oil
0020 0034 0090 0144 0157 0165 0198 0199 0204 0212 0245 0248 0261 0275 0276 0283
0332 0377 0390 0391 0398 0410 0432 0434 0440 0449 0468

oil shales and tar sands
 0165 0204 0245 0256 0261 0275 0398 0434 0440 0468

other sources
 0181 0261 0468

recovery processes
 0212 0275 0280 0281 0367 0468

solar energy
 0245 0248 0261 0275 0276 0280 0434 0440 0458 0465 0468

substituted natural gas
 0182 0199 0212 0245 0391 0398 0440 0468

tidal energy
 0245 0248 0275 0356 0468

wind energy
 0245 0248 0275 0434 0468

wood and plants
 0468

PRODUCTION

biological processes
 0067 0133 0162 0247 0342 0351

coal
 0024 0030 0034 0104 0145 0183 0199 0200 0203 0245 0247 0248 0267 0271 0275 0331
 0396 0398 0412 0431 0466

direct methods
 0133 0285 0297 0304 0312 0374

electricity
 0002 0029 0038 0058 0059 0087 0111 0112 0117 0145 0164 0187 0207 0245 0266 0267
 0271 0275 0280 0285 0301 0306 0315 0316 0329 0330 0331 0373 0374 0393 0394 0396
 0410 0417 0432 0458 0465 0466

general
 0024 0116 0117 0133 0156 0187 0205 0210 0212 0216 0232 0247 0248 0263 0267 0271
 0275 0276 0280 0396 0398 0442 0466

geothermal energy
 0133 0161 0245 0248 0263 0267 0275 0280 0465

hydroelectric power
 0002 0021 0248 0266 0267 0275 0280 0396 0427 0466

hydrogen
 0002 0124 0133 0203 0247 0248 0253 0263 0267 0276 0299 0342 0343 0344 0351 0396
 0410

magnetohydrodynamic power
 0111 0133 0248 0308

manufactured gas
 0008 0124 0133 0145 0203 0245 0247 0248 0267 0271 0299 0342 0396 0466

natural gas
 0008 0024 0124 0133 0145 0162 0165 0173 0174 0203 0221 0245 0247 0248 0267 0271
 0275 0276 0328 0342 0351 0390 0391 0396 0398 0402 0440 0466

nuclear energy, fission
 0002 0021 0022 0034 0087 0111 0123 0160 0205 0245 0246 0247 0248 0253 0263 0275
 0276 0280 0315 0316 0331 0366 0410 0432 0437 0443 0465

nuclear energy, plasma, fusion
 0002 0111 0160 0245 0248 0253 0280 0315 0331 0437

oil
 0024 0087 0119 0133 0144 0162 0165 0173 0174 0203 0245 0247 0248 0267 0271 0275
 0276 0285 0306 0390 0391 0396 0398 0402 0440

oil shales and tar sands
 0133 0165 0174 0245 0247 0275 0398

other sources
 0181 0307 0374

recovery processes
 0133 0156 0203 0207 0247 0304

solar energy
 0156 0161 0195 0245 0247 0248 0253 0263 0276 0280 0287 0312 0317 0329 0330 0342
 0343 0465

substituted natural gas
 0008 0133 0203 0245 0247 0391 0396 0398

tidal energy
 0245 0248 0356 0427

wind energy
 0067 0245 0247 0248 0312 0331

wood and plants
 0247

REFINING

oil
 0087 0119

REFRIGERATION AND AIR CONDITIONING

solar energy
 0099

RESEARCH (R & D)

biological processes
 0039 0044 0046 0067 0131 0133 0139 0218 0242 0247 0299 0310 0328 0330 0342 0351
 0409

coal
 0026 0030 0031 0104 0147 0183 0201 0203 0230 0245 0247 0248 0256 0271 0275 0288
 0297 0304 0331 0357 0398 0412 0413 0426 0443 0455 0466

direct methods
 0133 0192 0241 0242 0243 0299 0316 0323 0331 0374 0387 0403 0458

electricity
 0002 0018 0029 0059 0077 0111 0112 0117 0130 0137 0154 0179 0186 0187 0207 0245
 0257 0259 0265 0266 0270 0271 0275 0288 0301 0316 0318 0323 0330 0331 0344 0355
 0371 0372 0373 0374 0387 0388 0389 0394 0395 0403 0410 0417 0432 0450 0458 0464
 0466

general
 0029 0044 0049 0050 0051 0052 0053 0054 0072 0073 0079 0098 0116 0117 0130 0132
 0133 0146 0147 0168 0187 0201 0205 0210 0212 0216 0233 0234 0247 0248 0254 0256
 0257 0258 0259 0263 0265 0270 0271 0275 0276 0286 0297 0302 0313 0327 0331 0332
 0333 0369 0374 0376 0380 0382 0383 0396 0398 0403 0415 0428 0455 0458 0466

geothermal energy
 0031 0124 0133 0143 0161 0163 0168 0245 0248 0256 0259 0263 0270 0275 0422 0444
 0456

hydroelectric power
 0002 0077 0094 0163 0248 0259 0266 0270 0275 0288 0395 0417 0427 0466

hydrogen
 0002 0124 0130 0133 0137 0172 0192 0201 0203 0207 0247 0248 0253 0259 0263 0276
 0277 0297 0299 0330 0342 0343 0344 0351 0380 0409 0410 0443 0444

magnetohydrodynamic power
 0111 0133 0192 0248 0257 0259 0301 0308 0319 0403 0458

manufactured gas
 0008 0101 0124 0130 0133 0183 0197 0201 0203 0245 0247 0248 0271 0277 0285 0297
 0299 0342 0361 0398 0455 0466

natural gas
 0008 0031 0124 0130 0133 0137 0165 0172 0174 0193 0201 0203 0230 0245 0247 0248
 0259 0271 0275 0276 0277 0288 0328 0332 0342 0359 0360 0361 0391 0398 0401 0430
 0455 0466

nuclear energy, fission
 0002 0018 0022 0042 0068 0077 0111 0123 0124 0188 0201 0205 0245 0246 0247 0248
 0253 0254 0257 0259 0263 0265 0269 0270 0275 0276 0307 0315 0316 0319 0331 0355
 0366 0371 0403 0406 0410 0432 0437 0443

geothermal energy	0163	0248	0249	0260	0261	0267	0270	0273	0280	0468						
hydroelectric power	0093	0129	0163	0180	0199	0211	0248	0260	0261	0266	0267	0270	0273	0280	0281	0382
	0466	0467	0468													
hydrogen	0201	0248	0267													
magnetohydrodynamic power	0248	0257	0468													
manufactured gas	0019	0034	0061	0093	0101	0136	0180	0182	0187	0199	0201	0212	0248	0249	0250	0267
	0271	0273	0283	0284	0382	0466	0467	0468								
natural gas	0019	0024	0034	0061	0093	0107	0125	0136	0162	0170	0175	0180	0182	0187	0199	0201
	0212	0221	0230	0248	0249	0250	0260	0261	0267	0271	0273	0275	0283	0284	0312	0332
	0377	0378	0382	0390	0402	0466	0467	0468								
nuclear energy, fission	0034	0180	0187	0199	0201	0211	0212	0246	0248	0249	0257	0261	0270	0275	0280	0316
	0366	0382	0432	0437	0468											
nuclear energy, plasma, fusion	0201	0246	0248	0257	0261	0275	0280	0366	0437	0468						
oil	0020	0024	0034	0083	0093	0107	0119	0136	0144	0157	0162	0170	0171	0175	0180	0187
	0198	0199	0201	0212	0217	0230	0248	0249	0260	0261	0267	0271	0273	0275	0283	0284
	0312	0318	0332	0377	0378	0382	0390	0402	0449	0467	0468					
oil shales and tar sands	0230	0260	0261	0275	0468											
other sources	0180	0181	0261	0468												
recovery processes	0180	0212	0249	0271	0275	0280	0281	0316	0367	0368	0388	0425	0468			
solar energy	0246	0248	0260	0261	0270	0275	0280	0468								
substituted natural gas	0061	0101	0180	0182	0187	0199	0201	0212	0468							
tidal energy	0163	0248	0260	0275	0356	0468										
wind energy	0163	0248	0260	0275	0387	0468										
wood and plants	0468															

TECHNICAL CONSULTANCY

biological processes	0133															
coal	0030	0104	0105	0170	0183	0200	0201	0230	0249	0256	0271	0288	0357	0412	0455	
direct methods	0133	0287	0316	0323	0387	0455	0458									
electricity	0023	0029	0059	0077	0112	0170	0186	0187	0189	0208	0211	0212	0257	0266	0271	0280
	0281	0288	0316	0323	0387	0388	0389	0410	0417	0458						
general	0074	0103	0133	0156	0158	0168	0187	0201	0205	0212	0236	0256	0257	0263	0271	0280
	0281	0287	0319	0326	0333	0376	0380	0387	0391	0396	0397	0410	0414	0416	0434	0455
	0458															
geothermal energy	0108	0133	0161	0163	0168	0249	0256	0263	0280							
hydroelectric power	0077	0163	0266	0280	0281	0288	0362	0395	0427							

hydrogen
 0133 0172 0201 0253 0263 0277 0380

magnetohydrodynamic power
 0133 0257 0458

manufactured gas
 0008 0101 0106 0124 0133 0183 0201 0203 0249 0271 0277 0452 0455

natural gas
 0008 0023 0106 0124 0125 0133 0170 0172 0173 0174 0189 0193 0201 0203 0230 0245
 0249 0271 0277 0287 0288 0390 0391 0401 0402 0455

nuclear energy, fission
 0022 0077 0123 0201 0205 0249 0253 0257 0263 0269 0280 0316 0319 0366

nuclear energy, plasma, fusion
 0201 0253 0257 0269 0280

oil
 0009 0023 0083 0133 0170 0173 0174 0193 0201 0230 0245 0249 0271 0277 0288 0390
 0391 0401 0402 0449 0452 0455

oil shales and tar sands
 0133 0174 0230 0245 0256 0455

other sources
 0108 0181 0458

recovery processes
 0133 0156 0172 0208 0249 0269 0271 0281 0316 0336 0367 0368 0384 0387 0389 0420
 0428 0453 0458

solar energy
 0108 0156 0161 0172 0253 0263 0280 0287 0312 0370 0380 0458 0458

substituted natural gas
 0008 0101 0133 0183 0201 0203 0277 0391 0455

tidal energy
 0077 0163 0288 0356 0401 0427

wind energy
 0077 0108 0163 0288 0312 0380 0387

TRAINING AND EDUCATION

biological processes
 0133 0342 0351

coal
 0030 0104 0201 0203 0249 0256 0271 0412 0413 0455

direct methods
 0133 0192 0316 0455

electricity
 0002 0029 0038 0077 0127 0154 0207 0211 0271 0301 0316 0329 0387 0388 0395 0417
 0432

general
 0051 0089 0098 0108 0132 0133 0142 0187 0201 0205 0210 0211 0256 0263 0271 0319
 0333 0369 0376 0391 0396 0398 0410 0414

geothermal energy
 0108 0133 0249 0256 0263 0456

hydroelectric power
 0002 0077 0395 0417 0427

hydrogen
 0002 0133 0201 0203 0253 0263 0277 0343 0351

magnetohydrodynamic power
 0133 0301

manufactured gas
 0008 0133 0182 0201 0203 0249 0271 0277 0452 0455

natural gas
 0008 0133 0182 0193 0201 0203 0249 0271 0277 0390 0391 0402 0455

nuclear energy, fission
 0002 0077 0160 0201 0205 0249 0253 0263 0316 0319 0366 0406 0432 0437 0443

nuclear energy, plasma, fusion
 0002 0160 0192 0201 0253 0366 0406 0437

oil
 0009 0133 0193 0201 0203 0249 0271 0277 0390 0391 0402 0452 0455

oil shales and tar sands
 0133 0256 0455

other sources
 0127

recovery processes
 0133 0203 0249 0271 0420 0425

solar energy
 0100 0108 0154 0161 0177 0253 0263 0329 0342 0343 0351 0458

substituted natural gas
 0008 0133 0182 0201 0203 0277 0455

tidal energy
 0077 0427

wind energy
 0077 0154 0301 0387

TRANSPORT AND STORAGE

biological processes
 0133 0162 0299

coal
 0030 0037 0104 0108 0145 0151 0169 0183 0199 0200 0201 0248 0256 0261 0271 0288
 0331 0340 0362 0377 0385 0412 0466

direct methods
 0133

electricity
 0002 0029 0034 0038 0077 0145 0179 0207 0261 0271 0288 0301 0312 0316 0319 0330
 0331 0344 0374 0377 0387 0410 0417 0450 0465 0466

general
 0037 0079 0098 0103 0108 0133 0201 0210 0212 0226 0229 0232 0248 0256 0261 0271
 0319 0331 0377 0391 0396 0398 0410 0428 0442 0466

geothermal energy
 0133 0163 0248 0256 0465

hydroelectric power
 0077 0163 0248 0261 0288 0466

hydrogen
 0034 0037 0108 0124 0133 0172 0192 0201 0248 0253 0299 0344 0410 0443

magnetohydrodynamic power
 0133 0248

manufactured gas
 0008 0019 0037 0108 0124 0133 0145 0151 0201 0248 0271 0283 0385 0452 0466

natural gas
 0008 0019 0034 0108 0124 0125 0133 0145 0151 0162 0165 0166 0172 0199 0201 0221
 0248 0261 0271 0283 0288 0331 0359 0377 0382 0385 0390 0391 0398 0402 0430 0466

nuclear energy, fission
 0002 0077 0188 0201 0248 0253 0261 0285 0316 0319 0331 0366 0406 0410 0432 0437
 0465

nuclear energy, plasma, fusion
 0002 0188 0201 0248 0253 0261 0437

oil
 0020 0034 0037 0108 0133 0144 0151 0157 0162 0165 0167 0169 0199 0201 0248 0261
 0271 0283 0285 0288 0331 0362 0377 0382 0390 0391 0398 0402 0430 0449 0452

oil shales and tar sands
 0037 0133 0256 0261

other sources
 0181 0261

recovery processes

0133 0172 0188 0207

solar energy

0082 0100 0172 0179 0195 0248 0253 0287 0310 0330 0458 0465

substituted natural gas

0008 0133 0201 0391

tidal energy

0077 0163 0248 0288 0356

wind energy

0077 0163 0248 0288 0310

wood and plants

0037

TRANSPORT POLICY AND TECHNOLOGY

electricity

0176 0301 0379

general

0176 0303

oil

0176 0379

UTILISATION

coal

0084 0093 0387

electricity

0012 0023 0029 0093 0127 0137 0387 0394

general

0103 0132 0164 0170 0387

hydroelectric power

0093

hydrogen

0137

manufactured gas

0084 0093 0106 0387

natural gas

0023 0084 0093 0106 0137 0387

oil

0023 0084 0093 0137 0387

other sources

0084 0127

recovery processes

0387

substituted natural gas

0387

WAVE ENERGY

other sources

0386

WAVE POWER

electricity

0291

tidal energy

0291

II. AREAS/MAIN ACTIVITIES

BIOLOGICAL PROCESSES

application of recent technology
0039 0133 0247

assessment and evaluation
0133 0218 0342

conservation
0133 0247 0310

economic factors
0133 0162 0247 0299

exploitation and development of resources
0133 0162 0218 0309 0310 0328 0342

forecasting
0133

general
0218 0239 0247 0290 0293 0303 0314 0325 0326

health and safety
0034

legislation and regulation
0133

marketing and distribution
0133 0162

methodology, systems modelling
0133 0342

production
0067 0133 0162 0247 0342 0351

research (R & D)
0039 0044 0046 0067 0131 0133 0139 0218 0242 0247 0299 0310 0328 0330 0342 0351
0409

statistics
0162

technical consultancy
0133

training and education
0133 0342 0351

transport and storage
0133 0162 0299

COAL

application of recent technology
0026 0030 0084 0183 0200 0201 0203 0230 0245 0247 0248 0256 0271 0275 0288 0412
0455

assessment and evaluation
0034 0201 0212 0218 0230 0245 0249 0256 0261 0268 0275 0316 0376 0387 0412

conservation	0034	0056	0104	0200	0201	0203	0212	0247	0248	0249	0256	0261	0271	0275	0376	0377
	0387	0407	0412	0431	0455	0466										
economic factors	0006	0015	0030	0034	0085	0093	0105	0136	0145	0169	0170	0183	0190	0208	0212	0230
	0245	0247	0248	0256	0268	0275	0288	0304	0316	0331	0332	0377	0398	0410	0412	0440
	0466															
exploitation and development of resources	0024	0026	0030	0034	0056	0084	0091	0104	0199	0200	0218	0230	0245	0248	0256	0268
	0271	0288	0322	0331	0396	0412	0431	0434	0435	0443	0466					
forecasting	0015	0030	0034	0084	0085	0093	0104	0105	0187	0190	0199	0201	0212	0230	0248	0261
	0268	0271	0273	0312	0316	0377	0387	0396	0398	0412	0431	0432	0466	0468		
general	0024	0030	0034	0183	0194	0199	0204	0218	0222	0247	0275	0296	0324	0335	0340	0358
	0376	0387	0412	0436	0440	0468										
geological surveys	0400															
health and safety	0025	0026	0030	0034	0104	0147	0183	0200	0201	0203	0248	0249	0256	0271	0288	0319
	0412	0426	0443													
legislation and regulation	0030	0034	0085	0108	0145	0147	0169	0199	0201	0204	0212	0377	0382	0412		
marketing and distribution	0030	0034	0105	0199	0248	0268	0377	0396	0412	0431	0466					
methodology, systems modelling	0030	0104	0200	0201	0203	0248	0256	0261	0268	0271	0288	0387	0410	0412	0455	0466
planning and management	0030	0084	0085	0093	0104	0105	0183	0199	0201	0248	0275	0316	0377	0398	0410	0412
	0432	0440														
policy formulation	0030	0034	0085	0104	0145	0183	0199	0204	0212	0245	0248	0256	0261	0275	0377	0398
	0410	0412	0432	0440	0468											
production	0024	0030	0034	0104	0145	0183	0199	0200	0203	0245	0247	0248	0267	0271	0275	0331
	0396	0398	0412	0431	0466											
research (R & D)	0026	0030	0031	0104	0147	0183	0201	0203	0230	0245	0247	0248	0256	0271	0275	0288
	0297	0304	0331	0357	0398	0412	0413	0426	0443	0455	0466					
statistics	0015	0024	0026	0030	0034	0085	0093	0104	0105	0136	0147	0170	0180	0183	0187	0199
	0201	0212	0230	0248	0249	0260	0261	0267	0271	0273	0275	0284	0332	0377	0378	0382
	0412	0466	0467	0468												
technical consultancy	0030	0104	0105	0170	0183	0200	0201	0230	0249	0256	0271	0288	0357	0412	0455	
training and education	0030	0104	0201	0203	0249	0256	0271	0412	0413	0455						
transport and storage	0030	0037	0104	0108	0145	0151	0169	0183	0199	0200	0201	0248	0256	0261	0271	0288
	0331	0340	0362	0377	0385	0412	0466									
utilisation	0084	0093	0387													

DIRECT METHODS

application of recent technology	0133	0192	0287	0316	0331	0374	0455
assessment and evaluation	0133	0323	0374	0432			
conservation	0034	0133	0285	0304	0316		
economic factors	0133	0299	0316	0331	0410		

environment
 0293 0312

exploitation and development of resources
 0133 0323 0432

forecasting
 0133 0192

general
 0109 0205 0289 0290 0291 0293 0294 0295 0298 0300 0303 0320 0326 0335 0348 0349

legislation and regulation
 0133

marketing and distribution
 0133

methodology, systems modelling
 0133 0287 0316 0346 0434

planning and management
 0316 0410

policy formulation
 0410

production
 0133 0285 0297 0304 0312 0374

research (R & D)
 0133 0192 0241 0242 0243 0299 0316 0323 0331 0374 0387 0403 0458

technical consultancy
 0133 0287 0316 0323 0387 0455 0458

training and education
 0133 0192 0316 0455

transport and storage
 0133

ELECTRICITY

application of recent technology
 0029 0038 0077 0112 0117 0130 0154 0161 0164 0179 0207 0266 0270 0271 0275 0280
 0285 0288 0316 0318 0373 0374 0387 0389 0410 0417 0432 0450 0465

assessment and evaluation
 0014 0034 0077 0137 0189 0207 0212 0245 0246 0257 0261 0265 0268 0275 0316 0319
 0323 0373 0374 0376 0387 0388 0410 0417 0464

conservation
 0023 0056 0179 0208 0212 0261 0266 0270 0271 0275 0280 0281 0316 0319 0323 0373
 0376 0377 0387 0388 0407 0417 0432 0466

economic factors
 0006 0027 0034 0059 0077 0093 0127 0129 0136 0145 0170 0179 0190 0197 0207 0208
 0211 0212 0245 0246 0265 0268 0270 0275 0280 0288 0316 0318 0319 0331 0337 0373
 0377 0387 0388 0410 0417 0432 0440 0450 0465 0466

environment
 0293

exploitation and development of resources
 0029 0038 0056 0077 0245 0266 0268 0271 0288 0309 0322 0323 0331 0432 0466

forecasting
 0034 0059 0077 0093 0179 0187 0190 0199 0211 0212 0246 0257 0261 0265 0266 0268
 0270 0271 0273 0280 0312 0316 0318 0319 0337 0373 0377 0387 0388 0398 0410 0417
 0432 0440 0464 0466 0468

general
 0001 0021 0034 0183 0189 0194 0199 0204 0211 0235 0251 0275 0292 0293 0294 0295
 0298 0300 0314 0321 0326 0335 0348 0376 0387 0388 0404 0436 0440 0468

health and safety
 0027 0029 0034 0038 0127 0154 0207 0257 0271 0288 0316 0374 0387 0388 0417 0432

legislation and regulation
 0027 0034 0038 0127 0129 0145 0154 0204 0212 0265 0280 0281 0316 0377 0382 0388
 0410 0417 0432 0465

Energy consumption																
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0425 0453

solar energy

0130 0153 0179 0214 0236 0247 0259 0260 0261 0263 0268 0270 0276 0280 0287 0310
0376

substituted natural gas

0008 0013 0056 0093 0201 0247 0277 0361 0376 0455

tidal energy

0214 0260 0356

wind energy

0076 0153 0214 0247 0260 0310

wood and plants

0056 0247

DISTRICT HEATING

oil
0083

EARTH AND ATMOSPHERIC SCIENCES

general
0233

ECONOMIC FACTORS

biological processes
0162 0214 0247 0411

coal
0005 0006 0015 0024 0032 0034 0084 0091 0136 0170 0183 0196 0200 0213 0247 0256
0260 0268 0288 0297 0304 0316 0392 0398 0410 0411 0436 0466

direct methods
0214 0285 0316 0410 0411

electricity
0005 0006 0034 0059 0078 0129 0130 0135 0136 0170 0179 0197 0202 0206 0207 0214
0246 0260 0265 0266 0268 0270 0280 0287 0288 0301 0312 0316 0318 0319 0337 0387
0388 0410 0411 0417 0432 0436 0447 0450 0466

general
0016 0017 0032 0040 0041 0050 0051 0055 0066 0071 0072 0073 0074 0078 0079 0086
0089 0093 0094 0096 0098 0103 0116 0121 0130 0132 0135 0136 0156 0185 0190 0206
0209 0217 0219 0220 0224 0227 0229 0234 0246 0247 0256 0260 0262 0265 0266 0268
0270 0280 0286 0297 0304 0316 0319 0333 0337 0369 0378 0382 0385 0387 0391 0410
0411 0414 0447 0448 0454 0457 0466

geothermal energy
0078 0091 0135 0161 0206 0214 0256 0260 0268 0270 0280 0410 0447 0456

hydroelectric power
0005 0078 0094 0129 0202 0214 0260 0266 0268 0270 0280 0288 0410 0417 0427 0436
0447 0466

hydrogen
0130 0135 0206 0247 0410 0411 0434

magnetohydrodynamic power
0206 0214 0301 0319

manufactured gas
0005 0006 0032 0034 0084 0106 0130 0136 0155 0196 0247 0250 0262 0285 0297 0398
0411 0466

natural gas
0005 0006 0024 0032 0034 0084 0091 0106 0130 0135 0136 0155 0162 0165 0170 0200
0250 0260 0262 0268 0285 0287 0288 0297 0304 0312 0316 0390 0391 0392 0397 0398
0402 0410 0411 0418 0436 0466

nuclear energy, fission
0005 0006 0022 0034 0078 0123 0135 0184 0197 0202 0206 0214 0246 0247 0255 0265
0268 0270 0280 0312 0316 0319 0365 0366 0397 0410 0411 0432 0434 0436 0447 0448

nuclear energy, plasma, fusion
0135 0206 0214 0246 0255 0265 0280 0365 0366 0410 0434 0436

oil
0005 0006 0024 0032 0034 0083 0084 0091 0119 0130 0135 0136 0155 0162 0165 0170
0196 0198 0200 0217 0247 0260 0262 0268 0282 0285 0287 0288 0297 0304 0312 0316
0318 0346 0390 0391 0392 0397 0398 0402 0410 0411 0418 0434 0436 0449

oil shales and tar sands
0091 0135 0165 0200 0247 0256 0260 0262 0268 0398 0411

other sources
0130 0155 0297

recovery processes
0130 0135 0156 0206 0207 0214 0247 0268 0280 0316 0318 0367 0410 0418 0425 0436

solar energy
0078 0094 0130 0156 0161 0179 0206 0214 0246 0247 0260 0268 0270 0280 0285 0287
0312 0316 0410 0447 0458 0459

substituted natural gas
 0084 0135 0155 0247 0297 0391 0398 0411

tidal energy
 0078 0206 0214 0260 0288 0356 0427 0447

wind energy
 0078 0094 0206 0214 0247 0260 0288 0301 0306 0312 0316 0319 0387 0434 0447

wood and plants
 0005 0247 0285 0297

ELECTRICAL EQUIPMENT

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ENVIRONMENT

direct methods
 0293

electricity
 0293

natural gas
 0418

oil
 0418

recovery processes
 0418

solar energy
 0293

tidal energy
 0356

EXPLOITATION AND DEVELOPMENT OF RESOURCES

biological processes
 0162 0218 0309 0310 0328 0342

coal
 0005 0024 0031 0034 0056 0091 0104 0135 0170 0199 0200 0218 0252 0256 0260 0268
 0271 0275 0288 0322 0411 0431 0434 0443 0466

direct methods
 0323 0432

electricity
 0005 0029 0056 0078 0092 0095 0117 0130 0170 0200 0252 0257 0260 0265 0266 0268
 0270 0271 0275 0288 0309 0316 0322 0323 0432 0447 0466

general
 0016 0017 0041 0055 0060 0078 0092 0094 0095 0096 0098 0102 0117 0130 0135 0192
 0200 0209 0223 0229 0232 0252 0256 0257 0259 0260 0263 0265 0266 0268 0270 0271
 0275 0322 0363 0365 0382 0411 0447 0448 0466

geothermal energy
 0031 0078 0091 0135 0161 0256 0260 0263 0268 0270 0275 0432 0434 0447

hydroelectric power
 0034 0078 0094 0252 0259 0260 0266 0268 0270 0275 0288 0417 0427 0432 0447 0466

hydrogen
 0092 0130 0135 0253 0259 0263 0275 0343 0380 0410

magnetohydrodynamic power
 0257 0259 0301

manufactured gas
 0056 0130 0271 0411 0466

natural gas
 0005 0024 0031 0056 0091 0130 0135 0162 0165 0170 0199 0200 0221 0252 0259 0260
 0268 0271 0275 0288 0297 0322 0328 0397 0398 0402 0411 0418 0434 0466

nuclear energy, fission
 0005 0022 0034 0070 0078 0092 0123 0135 0188 0253 0257 0263 0265 0268 0269 0270
 0275 0316 0365 0366 0406 0432 0434 0443 0447 0448

nuclear energy, plasma, fusion
 0092 0135 0188 0253 0257 0265 0269 0275 0308 0365 0406

oil
 0005 0024 0031 0056 0091 0092 0130 0135 0157 0162 0165 0170 0199 0200 0252 0259
 0260 0268 0271 0275 0288 0297 0322 0392 0397 0398 0402 0418 0434

oil shales and tar sands
 0031 0091 0135 0165 0256 0260 0268 0275 0398 0411

other sources
 0092 0130 0322

recovery processes
 0188 0268 0269 0271 0323 0418

solar energy
 0005 0078 0092 0094 0130 0152 0161 0253 0259 0260 0263 0268 0270 0275 0285 0287
 0309 0310 0312 0317 0329 0342 0343 0408 0421 0432 0434 0447

substituted natural gas
 0056 0135 0411

tidal energy
 0078 0260 0275 0288 0356 0427 0432 0447

wind energy
 0078 0092 0094 0260 0275 0288 0301 0309 0310 0312 0322 0380 0432 0434 0447

wood and plants
 0056 0218 0434

FORECASTING

coal
 0005 0034 0093 0104 0191 0199 0200 0201 0245 0252 0260 0261 0268 0271 0312 0316
 0387 0398 0411 0431 0432 0466 0468

direct methods
 0191 0192

electricity
 0005 0034 0059 0078 0093 0130 0135 0179 0191 0199 0202 0211 0245 0246 0252 0257
 0260 0261 0265 0266 0268 0270 0271 0279 0280 0312 0316 0318 0319 0337 0373 0387
 0388 0398 0410 0411 0417 0432 0447 0466 0468

general
 0017 0034 0040 0050 0063 0078 0079 0086 0089 0094 0096 0098 0102 0103 0124 0130
 0132 0135 0156 0190 0191 0198 0199 0201 0216 0224 0229 0232 0246 0252 0257 0258
 0259 0260 0261 0263 0265 0266 0268 0270 0271 0276 0279 0280 0286 0319 0330 0333
 0337 0382 0385 0387 0391 0410 0411 0416 0447 0448 0457 0466 0468

geothermal energy
 0078 0135 0245 0260 0261 0263 0268 0270 0279 0280 0447 0456 0468

hydroelectric power
 0034 0078 0094 0202 0252 0259 0260 0261 0266 0268 0270 0280 0432 0447 0466 0468

hydrogen
 0124 0130 0135 0192 0201 0259 0263 0276 0277 0319 0410 0411

magnetohydrodynamic power
 0245 0257 0259 0319 0468

manufactured gas
 0034 0093 0124 0130 0191 0201 0271 0277 0283 0319 0398 0411 0466 0468

natural gas
 0005 0034 0093 0124 0130 0135 0191 0201 0245 0252 0259 0260 0261 0268 0271 0276
 0277 0283 0312 0316 0319 0387 0391 0398 0411 0418 0432 0466 0468

nuclear energy, fission
 0005 0034 0078 0191 0201 0202 0245 0246 0257 0261 0263 0265 0268 0269 0270 0276
 0280 0312 0316 0319 0366 0406 0410 0411 0432 0447 0448 0468

nuclear energy, plasma, fusion
 0201 0245 0246 0257 0261 0265 0269 0280 0319 0366 0410 0468

oil
 0005 0034 0083 0093 0130 0135 0191 0201 0245 0252 0259 0260 0261 0268 0271 0276
 0277 0279 0283 0312 0316 0318 0387 0391 0392 0398 0418 0432 0468

oil shales and tar sands

0135 0191 0245 0260 0261 0268 0398 0468

other sources

0130 0468

recovery processes

0124 0130 0135 0156 0192 0245 0268 0269 0271 0280 0367 0410 0418 0468

solar energy

0005 0078 0094 0130 0156 0179 0192 0245 0246 0259 0260 0261 0263 0268 0270 0276
0279 0280 0319 0447 0458 0468

substituted natural gas

0093 0135 0191 0201 0277 0319 0391 0398 0411 0468

tidal energy

0078 0245 0260 0447 0468

wind energy

0078 0094 0192 0245 0260 0319 0387 0447 0468

wood and plants

0468

GENERAL

biological processes

0134 0218 0239 0247 0290 0293 0299 0314 0325 0326 0355 0411

coal

0005 0011 0024 0026 0030 0034 0036 0183 0191 0196 0199 0200 0204 0209 0218 0222
0230 0247 0248 0296 0324 0331 0332 0335 0340 0357 0358 0376 0392 0410 0411 0429
0468

direct methods

0109 0134 0191 0200 0205 0285 0289 0290 0291 0293 0294 0295 0298 0299 0300 0303
0320 0326 0331 0335 0348 0349 0404 0410 0411

electricity

0001 0002 0005 0011 0016 0029 0034 0183 0189 0191 0199 0200 0204 0209 0211 0235
0285 0292 0293 0294 0295 0298 0300 0314 0321 0326 0331 0332 0335 0348 0355 0376
0387 0392 0404 0410 0411 0464 0468

general

0016 0017 0020 0028 0029 0035 0048 0057 0062 0064 0114 0124 0141 0148 0199 0216
0228 0233 0238 0239 0247 0248 0293 0294 0296 0302 0309 0311 0313 0320 0322 0324
0326 0331 0332 0333 0334 0335 0340 0347 0350 0352 0363 0364 0365 0378 0387 0398
0399 0410 0416 0417 0419 0429 0435 0446 0461 0468

geothermal energy

0005 0011 0034 0109 0134 0200 0209 0248 0326 0335 0345 0355 0404 0410 0411 0446
0468

hydroelectric power

0002 0011 0016 0034 0204 0211 0235 0248 0404 0410 0427 0468

hydrogen

0002 0011 0016 0034 0124 0134 0134 0196 0247 0248 0285 0299 0320 0326 0335 0349
0355 0380 0410 0411

magnetohydrodynamic power

0011 0016 0109 0134 0200 0248 0348 0404 0411 0468

manufactured gas

0005 0011 0016 0019 0030 0034 0036 0124 0134 0183 0191 0196 0200 0204 0209 0247
0248 0285 0299 0303 0320 0331 0335 0339 0349 0358 0376 0405 0411 0468

natural gas

0005 0011 0016 0019 0024 0030 0034 0107 0124 0134 0174 0191 0196 0200 0204 0209
0221 0230 0247 0248 0272 0285 0290 0296 0320 0324 0331 0332 0335 0349 0358 0376
0390 0392 0405 0410 0429 0468

nuclear energy, fission

0002 0005 0011 0016 0034 0081 0109 0159 0184 0188 0191 0200 0204 0205 0211 0215
0240 0247 0248 0285 0295 0300 0319 0321 0326 0331 0332 0335 0341 0348 0365 0404
0410 0411 0437 0468

nuclear energy, plasma, fusion

0002 0011 0016 0034 0081 0109 0159 0188 0215 0248 0331 0335 0338 0365 0404 0410
0437 0468

oil

0005 0009 0011 0016 0024 0034 0107 0134 0174 0191 0196 0200 0204 0209 0230 0247
0248 0272 0285 0296 0324 0331 0332 0335 0348 0376 0390 0392 0410 0429 0449 0468

oil shales and tar sands

0134 0174 0191 0196 0200 0204 0230 0247 0335 0392 0411 0468

other sources

0296 0335 0355 0468

recovery processes

0124 0134 0188 0205 0209 0247 0285 0289 0293 0294 0295 0299 0300 0303 0314 0320
0325 0326 0331 0335 0339 0349 0367 0376 0384 0392 0410 0411 0441 0468

solar energy

0005 0011 0016 0034 0109 0205 0209 0236 0239 0247 0248 0285 0289 0293 0295 0298
0300 0325 0326 0348 0355 0376 0380 0392 0404 0410 0411 0446 0468

substituted natural gas

0016 0183 0191 0196 0200 0247 0320 0335 0349 0358 0376 0405 0411 0468

tidal energy

0011 0016 0248 0291 0355 0404 0411 0427 0446 0468

wind energy

0011 0016 0034 0247 0248 0291 0292 0298 0326 0331 0348 0355 0380 0387 0404 0411
0446 0468

wood and plants

0005 0218 0247 0285 0314 0326 0335 0339 0411 0468

GEOLOGICAL SURVEYS

coal

0400

oil

0400

HEALTH AND SAFETY

biological processes

0034

coal

0025 0031 0034 0104 0147 0183 0200 0201 0213 0245 0249 0256 0271 0275 0288 0319
0411 0426 0436 0443

electricity

0029 0034 0038 0095 0154 0202 0207 0211 0245 0257 0265 0271 0275 0288 0316 0373
0387 0417 0432 0436

general

0003 0004 0016 0051 0079 0092 0095 0108 0132 0135 0200 0201 0205 0211 0217 0229
0256 0257 0265 0271 0275 0363 0365 0380 0391 0398 0410 0411

geothermal energy

0245 0249 0256 0275

hydroelectric power

0034 0275 0288 0436

hydrogen

0034 0201 0253 0275

magnetohydrodynamic power

0088 0245 0257

manufactured gas

0008 0013 0034 0201 0249 0250 0271 0283 0361 0411

natural gas

0008 0013 0034 0135 0201 0221 0245 0249 0250 0271 0275 0283 0288 0361 0391 0402
0418 0436

nuclear energy, fission

0005 0034 0042 0088 0188 0201 0205 0245 0246 0249 0253 0257 0265 0275 0316 0319
0365 0366 0371 0406 0410 0432 0436 0443

nuclear energy, plasma, fusion

0042 0088 0188 0201 0245 0253 0257 0265 0275 0319 0365 0366 0406 0436

oil

0034 0135 0201 0217 0245 0249 0271 0275 0283 0288 0319 0391 0392 0402 0418 0436
0449

oil shales and tar sands
0245 0256 0275

recovery processes
0034 0188 0207 0245 0249 0271 0275 0418 0425 0436

solar energy
0154 0245 0253 0275

substituted natural gas
0008 0013 0201 0361 0411

tidal energy
0245 0288

wind energy
0154 0245 0288

HEATPUMP

solar energy
0295

IN-SERVICE INSPECTION AND MONITORING

general
0003

INSURANCE

general
0004

LEGISLATION AND REGULATION

coal
0034 0084 0108 0147 0151 0169 0170 0183 0199 0200 0201 0204 0213 0245 0252 0260
0268 0275 0411

electricity
0034 0038 0127 0129 0154 0170 0204 0245 0252 0260 0265 0266 0268 0270 0275 0280
0281 0316 0410 0417 0432

general
0016 0017 0063 0079 0086 0096 0097 0098 0102 0103 0108 0115 0116 0118 0121 0132
0135 0201 0204 0229 0231 0232 0237 0252 0260 0263 0265 0266 0268 0270 0275 0280
0281 0382 0391 0398 0410 0454

geothermal energy
0135 0245 0260 0263 0268 0270 0275 0280

hydroelectric power
0129 0204 0252 0260 0266 0268 0270 0275 0280 0281 0417

hydrogen
0108 0135 0201 0263

magnetohydrodynamic power
0245

manufactured gas
0034 0084 0106 0108 0151 0199 0201 0204 0283 0411

natural gas
0034 0084 0090 0097 0106 0107 0108 0135 0151 0170 0199 0201 0204 0221 0245 0252
0260 0268 0275 0283 0391 0402 0418

nuclear energy, fission
0022 0034 0123 0201 0204 0245 0255 0263 0265 0268 0270 0275 0280 0316 0319 0366
0406 0410 0432

nuclear energy, plasma, fusion
0201 0245 0255 0265 0280 0366 0406 0410

oil
0034 0080 0084 0090 0097 0107 0108 0135 0151 0169 0170 0199 0201 0204 0245 0252
0260 0268 0275 0283 0391 0392 0398 0402 0418 0449

oil shales and tar sands
0135 0204 0245 0260 0268 0275

other sources
0108 0127

recovery processes
0097 0108 0135 0245 0268 0281 0367 0410 0418 0420

solar energy
0154 0245 0260 0263 0268 0270 0280 0458

substituted natural gas
0084 0135 0199 0201 0391 0411

tidal energy
0245 0260

wind energy
0154 0245 0260

MARKETING AND DISTRIBUTION

biological processes
0162

coal
0034 0170 0199 0201 0252 0260 0261 0268 0275 0411 0431 0466

electricity
0016 0029 0034 0058 0117 0170 0202 0206 0207 0211 0252 0260 0261 0265 0266 0268
0275 0280 0316 0388 0417 0432 0466

general
0017 0032 0034 0094 0096 0098 0102 0117 0201 0206 0208 0209 0252 0259 0260 0261
0262 0265 0266 0268 0275 0280 0363 0382 0385 0391 0398 0411 0448 0466

geothermal energy
0161 0206 0261 0268 0275

hydroelectric power
0094 0252 0259 0260 0261 0266 0268 0275 0280 0466

hydrogen
0201 0206 0259 0277 0410

magnetohydrodynamic power
0206 0259

manufactured gas
0016 0084 0155 0201 0250 0262 0277 0283 0452 0466

natural gas
0016 0034 0084 0135 0155 0162 0165 0170 0201 0221 0245 0250 0252 0259 0260 0261
0262 0268 0275 0277 0283 0391 0402 0418 0430 0466

nuclear energy, fission
0016 0201 0206 0261 0265 0268 0275 0280 0366 0448

nuclear energy, plasma, fusion
0201 0206 0261 0265

oil
0034 0083 0135 0155 0157 0162 0165 0170 0201 0245 0252 0259 0260 0261 0262 0268
0275 0277 0283 0346 0391 0392 0402 0410 0418 0430 0452

oil shales and tar sands
0245 0261 0262 0268 0275

other sources
0155

recovery processes
0206 0207 0268 0418

solar energy
0094 0152 0161 0206 0259 0261 0268 0287

substituted natural gas
0016 0084 0155 0201 0277

tidal energy
0206 0356

wind energy
0076 0094 0206

METHODOLOGY, SYSTEMS MODELLING

biological processes
0214 0342

coal
0091 0104 0200 0201 0245 0256 0268 0271 0275 0288 0387 0410 0411 0455 0466

direct methods
0192 0214 0316 0346 0411 0434

electricity
0029 0078 0117 0202 0206 0207 0214 0245 0257 0264 0265 0268 0271 0274 0275 0288
0316 0318 0373 0387 0410 0411 0417 0432 0434 0447 0466

general
0017 0050 0078 0092 0093 0094 0096 0098 0117 0132 0135 0201 0205 0206 0216 0234
0256 0257 0264 0265 0268 0271 0275 0276 0298 0318 0319 0323 0327 0330 0333 0342
0344 0369 0380 0382 0387 0391 0398 0410 0411 0414 0447 0466

geothermal energy
0078 0091 0206 0214 0245 0256 0268 0275 0447

hydroelectric power
0078 0094 0214 0266 0268 0288 0395 0410 0417 0447 0466

hydrogen
0192 0201 0206 0253 0276 0330 0410 0434

magnetohydrodynamic power
0206 0214 0245 0257

manufactured gas
0201 0264 0271 0361 0411 0455 0466

natural gas
0091 0135 0201 0245 0264 0268 0271 0275 0276 0288 0361 0387 0390 0391 0397 0418
0455 0466

nuclear energy, fission
0078 0188 0197 0201 0205 0206 0214 0245 0253 0257 0264 0265 0268 0274 0275 0276
0316 0366 0410 0411 0432 0434 0447

nuclear energy, plasma, fusion
0188 0201 0206 0214 0245 0253 0257 0264 0265 0316 0366 0410

oil
0091 0135 0201 0245 0264 0268 0271 0275 0276 0288 0387 0390 0391 0410 0418 0434
0455

oil shales and tar sands
0091 0245 0256 0268 0275 0434

recovery processes
0188 0205 0206 0207 0214 0245 0264 0268 0271 0275 0367 0410 0418 0455

solar energy
0078 0094 0128 0161 0192 0206 0214 0245 0253 0268 0275 0276 0370 0434 0447 0458

substituted natural gas
0201 0361 0391 0411 0455

tidal energy
0078 0206 0214 0245 0288 0356 0447

wind energy
0078 0094 0192 0206 0214 0245 0288 0380 0434 0447

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general
0231

PLANNING AND MANAGEMENT

coal
0104 0199 0200 0201 0245 0268 0275 0316 0387 0398 0410 0412 0432

direct methods

0316 0410

electricity

0029 0078 0206 0245 0257 0264 0266 0268 0274 0275 0373 0387 0388 0397 0410 0417
0432 0447

general

0016 0017 0040 0078 0079 0086 0093 0094 0096 0098 0102 0103 0116 0121 0132 0135
0156 0201 0205 0206 0216 0229 0257 0259 0264 0266 0268 0275 0316 0354 0369 0378
0382 0385 0387 0391 0410 0412 0414 0447 0457

geothermal energy

0078 0135 0206 0245 0268 0447

hydroelectric power

0078 0094 0206 0259 0266 0268 0275 0410 0417 0432 0447

hydrogen

0135 0201 0206 0259 0410

magnetohydrodynamic power

0206 0245 0257 0259 0319

manufactured gas

0135 0201 0264

natural gas

0135 0201 0221 0245 0259 0264 0268 0275 0316 0387 0390 0391 0397 0410 0418 0432

nuclear energy, fission

0078 0201 0205 0206 0245 0246 0257 0264 0268 0274 0275 0319 0366 0406 0410 0432
0447

nuclear energy, plasma, fusion

0201 0206 0245 0246 0257 0264 0366 0406 0410

oil

0135 0199 0201 0245 0259 0264 0268 0275 0316 0387 0390 0391 0392 0397 0398 0410
0418 0432 0449

oil shales and tar sands

0135 0245 0268 0275

recovery processes

0135 0156 0206 0245 0264 0268 0316 0367 0383 0418 0425

solar energy

0078 0094 0156 0206 0245 0259 0268 0447

substituted natural gas

0135 0199 0201 0391

tidal energy

0078 0206 0245 0356 0447

wind energy

0078 0094 0206 0245 0319 0387 0447

POLICY FORMULATION

coal

0034 0104 0183 0196 0199 0200 0204 0213 0245 0252 0256 0260 0261 0268 0398 0410
0412 0432 0468

direct methods

0410

electricity

0034 0129 0202 0204 0245 0252 0257 0259 0260 0261 0264 0265 0266 0268 0270 0274
0278 0279 0280 0281 0316 0337 0388 0410 0411 0417 0432 0434 0468

general

0034 0063 0075 0079 0086 0096 0098 0102 0103 0115 0132 0135 0191 0192 0197 0198
0200 0204 0207 0213 0216 0229 0232 0252 0256 0257 0259 0260 0261 0262 0263 0264
0265 0266 0268 0270 0278 0279 0280 0281 0337 0354 0369 0382 0385 0391 0410 0416
0417 0454 0457 0468

geothermal energy

0135 0245 0256 0259 0260 0261 0263 0268 0270 0279 0280 0468

hydroelectric power

0034 0129 0192 0204 0252 0259 0260 0261 0266 0268 0270 0278 0280 0281 0410 0417
0432 0468

manufactured gas
 0005 0008 0013 0016 0036 0084 0130 0155 0191 0247 0264 0267 0271 0277 0285 0342
 0411 0466

natural gas
 0005 0008 0013 0016 0024 0084 0091 0122 0130 0135 0155 0162 0165 0170 0191 0221
 0247 0252 0259 0260 0261 0264 0267 0268 0271 0277 0328 0342 0351 0391 0398 0402
 0418 0466

nuclear energy, fission
 0005 0016 0022 0034 0078 0088 0092 0111 0122 0123 0191 0202 0205 0214 0246 0247
 0257 0261 0264 0265 0268 0270 0274 0280 0315 0366 0410 0432 0443 0447 0448

nuclear energy, plasma, fusion
 0088 0092 0111 0214 0257 0261 0264 0265 0280 0315

oil
 0005 0024 0084 0091 0092 0119 0122 0130 0135 0155 0157 0162 0165 0170 0191 0247
 0252 0259 0260 0261 0264 0267 0268 0271 0277 0306 0391 0392 0398 0402 0418

oil shales and tar sands
 0091 0135 0165 0191 0247 0260 0261 0268 0398 0411

other sources
 0130 0155 0307

recovery processes
 0122 0156 0207 0214 0247 0264 0268 0304 0418

solar energy
 0005 0078 0092 0094 0130 0152 0156 0161 0214 0247 0259 0260 0261 0268 0270 0280
 0287 0310 0312 0317 0329 0342 0343 0351 0447 0459

substituted natural gas
 0008 0013 0016 0084 0135 0155 0191 0247 0277 0391 0398 0411

tidal energy
 0078 0185 0214 0260 0356 0427 0447

wind energy
 0067 0076 0078 0092 0094 0214 0247 0260 0310 0312 0447

wood and plants
 0247

RESEARCH (R & D)

biological processes
 0046 0067 0214 0218 0242 0243 0247 0310 0328 0342 0351 0438

coal
 0006 0031 0034 0091 0104 0122 0147 0183 0196 0200 0201 0213 0245 0247 0252 0256
 0268 0271 0288 0297 0304 0398 0411 0413 0426 0443 0455 0466

direct methods
 0092 0192 0214 0241 0242 0243 0301 0316 0323 0387

electricity
 0006 0018 0029 0059 0078 0092 0095 0111 0117 0137 0154 0179 0186 0206 0207 0211
 0214 0245 0252 0257 0264 0265 0266 0268 0270 0271 0274 0288 0301 0310 0316 0318
 0323 0371 0372 0373 0387 0388 0389 0394 0395 0410 0411 0417 0432 0447 0450 0466

general
 0010 0017 0029 0034 0049 0050 0051 0052 0053 0054 0072 0078 0079 0092 0094 0095
 0096 0098 0117 0132 0135 0190 0200 0201 0205 0206 0209 0247 0252 0254 0256 0257
 0258 0259 0264 0265 0266 0268 0270 0271 0286 0297 0302 0304 0313 0327 0333 0363
 0369 0376 0380 0382 0398 0411 0447 0455 0458 0466

geothermal energy
 0031 0034 0078 0091 0135 0161 0206 0214 0245 0256 0268 0270 0447

hydroelectric power
 0078 0094 0214 0252 0259 0266 0268 0270 0288 0395 0417 0427 0447 0466

hydrogen
 0092 0135 0137 0172 0192 0201 0206 0207 0247 0253 0259 0277 0297 0304 0342 0343
 0351 0380 0410 0411 0438 0443

magnetohydrodynamic power
 0088 0111 0135 0206 0214 0245 0257 0259 0301 0308 0319 0411

manufactured gas
 0006 0008 0013 0183 0196 0197 0201 0247 0264 0271 0277 0297 0304 0342 0361 0398
 0411 0455 0466

natural gas	0006	0008	0013	0031	0034	0091	0122	0135	0137	0165	0172	0201	0245	0252	0259	0264
	0268	0271	0277	0288	0297	0304	0328	0342	0351	0359	0360	0361	0391	0398	0401	0418
	0428	0430	0455	0466												
nuclear energy, fission	0006	0018	0022	0042	0068	0070	0078	0088	0092	0111	0122	0123	0188	0201	0205	0206
	0214	0245	0246	0247	0253	0254	0257	0264	0265	0268	0270	0274	0307	0315	0316	0319
	0355	0365	0366	0371	0406	0410	0432	0443	0447							
nuclear energy, plasma, fusion	0034	0042	0088	0092	0111	0188	0201	0206	0214	0245	0253	0257	0264	0265	0307	0308
	0315	0319	0365	0366	0406	0410	0443									
oil	0006	0031	0091	0092	0122	0135	0137	0165	0201	0245	0247	0252	0259	0264	0268	0271
	0277	0288	0297	0304	0346	0391	0392	0398	0401	0410	0418	0430	0449	0455		
oil shales and tar sands	0031	0091	0135	0165	0245	0247	0256	0268	0411	0455						
other sources	0092	0307														
recovery processes	0122	0135	0172	0188	0192	0205	0206	0207	0214	0245	0247	0264	0268	0271	0316	0318
	0323	0336	0353	0367	0368	0383	0389	0410	0418	0420	0421	0425				
solar energy	0018	0034	0065	0078	0092	0094	0128	0154	0161	0172	0179	0192	0206	0207	0214	0241
	0245	0247	0253	0259	0268	0270	0287	0310	0312	0316	0317	0329	0342	0343	0351	0370
	0380	0408	0420	0421	0422	0438	0443	0447	0458	0459						
substituted natural gas	0008	0013	0135	0183	0200	0201	0247	0277	0297	0304	0360	0361	0391	0398	0411	0455
tidal energy	0034	0078	0206	0214	0245	0288	0356	0401	0427	0447						
wind energy	0034	0067	0076	0078	0092	0094	0154	0192	0206	0214	0244	0245	0247	0288	0301	0306
	0310	0312	0316	0319	0380	0387	0447									
wood and plants	0218	0247	0438													

STANDARDISATION

electricity
0014

STANDARDS

general
0237

STATISTICS

biological processes
0162 0214

coal

0005 0015 0024 0032 0034 0036 0084 0091 0093 0104 0135 0136 0147 0180 0183 0199
0200 0201 0213 0245 0249 0252 0260 0261 0267 0268 0271 0284 0378 0392 0411 0466
0468

direct methods
0214

electricity

0005 0029 0034 0038 0058 0078 0093 0129 0130 0135 0136 0180 0199 0206 0207 0211
0214 0245 0251 0252 0257 0260 0261 0264 0265 0266 0267 0268 0270 0271 0274 0279
0280 0281 0284 0316 0318 0378 0387 0388 0410 0411 0417 0432 0447 0466 0468

general

0016 0017 0032 0047 0078 0079 0086 0096 0098 0102 0121 0130 0132 0135 0136 0180
0198 0200 0201 0206 0208 0211 0217 0224 0225 0229 0234 0246 0252 0257 0258 0260
0261 0263 0264 0265 0266 0267 0268 0270 0271 0279 0280 0281 0286 0333 0344 0363
0369 0375 0382 0385 0387 0398 0410 0411 0433 0445 0447 0448 0454 0457 0466 0468

geothermal energy	0078	0091	0135	0206	0214	0245	0249	0260	0261	0263	0267	0268	0270	0279	0280	0447
	0468															
hydroelectric power	0005	0078	0129	0180	0199	0211	0214	0252	0260	0261	0266	0267	0268	0270	0280	0281
	0447	0466	0468													
hydrogen	0130	0201	0206	0263	0267	0277	0380									
magnetohydrodynamic power	0206	0214	0245	0257	0468											
manufactured gas	0032	0034	0061	0084	0093	0130	0136	0180	0199	0201	0249	0250	0264	0267	0271	0277
	0283	0284	0361	0411	0466	0468										
natural gas	0005	0024	0032	0034	0061	0084	0091	0093	0107	0130	0135	0136	0162	0175	0180	0199
	0201	0221	0245	0249	0250	0252	0260	0261	0264	0267	0268	0271	0277	0283	0284	0361
	0378	0392	0402	0411	0418	0430	0466	0468								
nuclear energy, fission	0005	0034	0078	0135	0180	0199	0201	0206	0211	0214	0245	0246	0249	0257	0261	0263
	0264	0265	0268	0270	0274	0280	0316	0366	0411	0432	0447	0448	0468			
nuclear energy, plasma, fusion	0135	0201	0206	0214	0245	0246	0257	0261	0264	0265	0280	0366	0468			
oil	0005	0024	0032	0034	0080	0083	0084	0091	0093	0107	0119	0130	0135	0136	0157	0162
	0175	0180	0198	0199	0201	0217	0245	0249	0252	0260	0261	0264	0267	0268	0271	0277
	0279	0282	0283	0284	0318	0378	0392	0402	0411	0418	0430	0449	0468			
oil shales and tar sands	0091	0135	0245	0260	0261	0268	0411	0468								
other sources	0130	0180	0468													
recovery processes	0130	0135	0180	0206	0214	0245	0249	0264	0268	0271	0281	0367	0368	0418	0468	
solar energy	0078	0130	0206	0214	0245	0246	0260	0261	0263	0268	0270	0279	0280	0380	0447	0468
substituted natural gas	0061	0084	0093	0135	0180	0199	0201	0277	0361	0411	0468					
tidal energy	0078	0206	0214	0245	0260	0356	0447	0468								
wind energy	0078	0206	0214	0245	0260	0380	0387	0447	0468							
wood and plants	0468															

TECHNICAL CONSULTANCY

coal	0007	0104	0183	0196	0201	0249	0256	0268	0271	0275	0288	0411	0455			
direct methods	0092	0316	0455													
electricity	0007	0023	0029	0059	0092	0130	0153	0189	0202	0211	0259	0266	0268	0271	0274	0275
	0280	0281	0288	0316	0373	0389	0410	0417	0447							
general	0003	0066	0071	0073	0074	0092	0130	0132	0156	0168	0201	0205	0256	0259	0266	0268
	0271	0275	0280	0281	0287	0319	0326	0333	0376	0380	0391	0397	0410	0414	0416	0434
	0447	0455	0458													
geothermal energy	0007	0108	0161	0168	0209	0249	0256	0259	0268	0275	0280	0447				
hydroelectric power	0007	0259	0268	0275	0280	0281	0288	0395	0427	0447						
hydrogen	0092	0130	0196	0201	0253	0266	0277	0380								

magnetohydrodynamic power
0259

manufactured gas
0008 0013 0106 0130 0183 0196 0201 0203 0249 0271 0277 0455

natural gas
0007 0008 0013 0023 0106 0130 0153 0189 0196 0201 0203 0245 0249 0268 0271 0275
0277 0288 0359 0390 0391 0401 0402 0455

nuclear energy, fission
0022 0092 0123 0201 0205 0249 0253 0259 0268 0274 0275 0280 0316 0319 0366 0447

nuclear energy, plasma, fusion
0092 0201 0253 0259 0280

oil
0007 0009 0023 0083 0092 0130 0153 0196 0201 0245 0249 0268 0271 0275 0277 0288
0390 0391 0401 0402 0449 0455

oil shales and tar sands
0196 0245 0256 0268 0275 0455

other sources
0092 0108 0130

recovery processes
0130 0156 0249 0268 0271 0275 0280 0281 0316 0336 0367 0389 0420 0428 0453

solar energy
0007 0092 0108 0130 0153 0156 0161 0253 0268 0280 0287 0312 0370 0380 0421 0447
0458 0459

substituted natural gas
0008 0013 0183 0196 0201 0203 0277 0391 0455

tidal energy
0288 0356 0401 0427 0447

wind energy
0007 0076 0092 0108 0153 0288 0312 0380 0447

TRAINING AND EDUCATION

biological processes
0342 0351

coal
0104 0200 0201 0213 0245 0249 0256 0271 0436 0455

direct methods
0455

electricity
0029 0154 0202 0207 0245 0265 0266 0271 0274 0301 0316 0387 0388 0395 0417 0432
0436

general
0003 0051 0066 0092 0108 0132 0135 0200 0201 0205 0209 0213 0216 0256 0262 0265
0266 0271 0275 0319 0333 0369 0376 0391 0398 0410 0414

geothermal energy
0108 0245 0249 0256

hydroelectric power
0266 0395 0417 0427 0436

hydrogen
0201 0253 0343 0351

magnetohydrodynamic power
0245 0301

manufactured gas
0008 0013 0201 0249 0262 0271 0452 0455

natural gas
0008 0013 0135 0201 0245 0249 0262 0271 0351 0391 0402 0418 0436 0455

nuclear energy, fission
0070 0201 0205 0245 0249 0253 0265 0269 0274 0316 0319 0366 0406 0432 0436 0443

nuclear energy, plasma, fusion
0201 0245 0253 0265 0269 0366 0406 0436

oil
 0009 0135 0201 0245 0249 0262 0271 0391 0402 0418 0436 0452 0455

oil shales and tar sands
 0245 0256 0262 0455

recovery processes
 0245 0249 0269 0271 0275 0418 0420 0425 0436

solar energy
 0108 0154 0161 0245 0253 0312 0317 0342 0343 0351 0458

substituted natural gas
 0008 0013 0201 0455

tidal energy
 0245 0427

wind energy
 0154 0245 0301 0312 0387

TRANSPORT AND STORAGE

biological processes
 0162 0214

coal
 0005 0084 0104 0108 0151 0183 0185 0196 0199 0200 0201 0245 0256 0260 0261 0268
 0271 0275 0288 0297 0340 0385 0411 0466

direct methods
 0214

electricity
 0007 0029 0034 0078 0092 0095 0117 0179 0202 0207 0214 0245 0257 0260 0261 0265
 0268 0271 0275 0288 0301 0310 0312 0330 0344 0387 0410 0417 0447 0450 0466

general
 0017 0037 0078 0092 0095 0096 0098 0108 0117 0132 0135 0201 0209 0226 0229 0232
 0256 0257 0260 0261 0262 0263 0265 0268 0271 0275 0276 0319 0363 0382 0391 0398
 0410 0411 0428 0447 0448 0466

geothermal energy
 0078 0214 0245 0256 0263 0268 0275 0447 0456

hydroelectric power
 0078 0214 0260 0261 0268 0275 0288 0447 0466

hydrogen
 0016 0034 0092 0108 0172 0192 0201 0253 0263 0275 0276 0344 0410 0443

magnetohydrodynamic power
 0088 0214 0245 0257

manufactured gas
 0008 0013 0016 0084 0108 0151 0155 0185 0196 0201 0203 0262 0271 0283 0385 0411
 0466

natural gas
 0005 0008 0013 0016 0034 0084 0108 0135 0151 0155 0162 0165 0172 0185 0196 0199
 0201 0203 0221 0245 0260 0261 0262 0268 0271 0275 0276 0283 0288 0297 0359 0385
 0391 0398 0401 0402 0411 0418 0430 0466

nuclear energy, fission
 0078 0088 0188 0201 0214 0245 0253 0257 0261 0263 0265 0268 0275 0276 0285 0316
 0366 0406 0410 0432 0447 0448

nuclear energy, plasma, fusion
 0088 0188 0201 0214 0245 0253 0257 0261 0265 0316

oil
 0005 0034 0084 0092 0108 0135 0151 0155 0157 0162 0165 0167 0185 0199 0201 0245
 0260 0261 0262 0268 0271 0275 0276 0283 0285 0288 0297 0391 0392 0398 0401 0402
 0418 0430 0449

oil shales and tar sands
 0245 0256 0261 0262 0268

other sources
 0155 0261

recovery processes
 0172 0188 0207 0214 0245 0268 0418 0425

solar energy
0078 0092 0172 0179 0214 0245 0253 0263 0268 0276 0287 0310 0330 0447 0458 0459

substituted natural gas
0008 0013 0016 0084 0155 0201 0203 0391 0411

tidal energy
0078 0214 0245 0288 0356 0447

wind energy
0078 0214 0245 0288 0310 0447

TRANSPORT POLICY AND TECHNOLOGY

electricity
0176 0301 0379

general
0176

oil
0176 0379

UTILISATION

coal
0011 0387

electricity
0011 0023 0029 0387 0394

general
0037 0103 0132 0387

geothermal energy
0011

hydroelectric power
0011

hydrogen
0011

magnetohydrodynamic power
0011

manufactured gas
0011 0387

natural gas
0011 0023 0387

nuclear energy, fission
0011

nuclear energy, plasma, fusion
0011

oil
0011 0023 0387

recovery processes
0387

solar energy
0011

substituted natural gas
0387

tidal energy
0011

wind energy
0011

WAVE ENERGY

electricity
0291

hydroelectric power

0362

other sources

0362

tidal energy

0362

II. AREAS/MAIN ACTIVITIES

BIOLOGICAL PROCESSES

application of recent technology
0214 0247 0411

assessment and evaluation
0218 0330 0342

conservation
0214 0247 0310

economic factors
0162 0214 0247 0411

exploitation and development of resources
0162 0218 0309 0310 0328 0342

general
0134 0218 0239 0247 0290 0293 0299 0314 0325 0326 0355 0411

health and safety
0034

marketing and distribution
0162

methodology, systems modelling
0214 0342

production
0067 0162 0214 0247 0310 0342 0351

research (R & D)
0046 0067 0214 0218 0242 0243 0247 0310 0328 0342 0351 0438

statistics
0162 0214

training and education
0342 0351

transport and storage
0162 0214

COAL

application of recent technology
0036 0084 0183 0196 0200 0247 0256 0268 0271 0288 0411 0455

assessment and evaluation
0034 0200 0201 0218 0245 0249 0252 0256 0260 0261 0268 0297 0316 0387 0411

conservation
0034 0056 0093 0104 0200 0201 0247 0249 0252 0256 0260 0261 0268 0271 0376 0387
0407 0411 0431 0455 0466

economic factors
0005 0006 0015 0024 0032 0034 0084 0091 0136 0170 0183 0196 0200 0213 0247 0256
0260 0268 0288 0297 0304 0316 0392 0398 0410 0411 0436 0466

exploitation and development of resources
0005 0024 0031 0034 0056 0091 0104 0135 0170 0199 0200 0218 0252 0256 0260 0268
0271 0275 0288 0322 0411 0431 0434 0443 0466

forecasting
0005 0034 0093 0104 0191 0199 0200 0201 0245 0252 0260 0261 0268 0271 0312 0316
0387 0398 0411 0431 0432 0466 0468

general
0005 0011 0024 0026 0030 0034 0036 0183 0191 0196 0199 0200 0204 0209 0218 0222
0230 0247 0248 0296 0324 0331 0332 0335 0340 0357 0358 0376 0392 0410 0411 0429
0468

geological surveys
0400

health and safety
0025 0031 0034 0104 0147 0183 0200 0201 0213 0245 0249 0256 0271 0275 0288 0319
0411 0426 0436 0443

legislation and regulation
0034 0084 0108 0147 0151 0169 0170 0183 0199 0200 0201 0204 0213 0245 0252 0260
0268 0275 0411

marketing and distribution
0034 0170 0199 0201 0252 0260 0261 0268 0275 0411 0431 0466

methodology, systems modelling
0091 0104 0200 0201 0245 0256 0268 0271 0275 0288 0387 0410 0411 0455 0466

planning and management
0104 0199 0200 0201 0245 0268 0275 0316 0387 0398 0410 0412 0432

policy formulation
0034 0104 0183 0196 0199 0200 0204 0213 0245 0252 0256 0260 0261 0268 0398 0410
0412 0432 0468

production
0005 0024 0034 0084 0091 0104 0122 0170 0191 0199 0200 0247 0252 0260 0261 0267
0268 0271 0398 0411 0431 0466

research (R & D)
0006 0031 0034 0091 0104 0122 0147 0183 0196 0200 0201 0213 0245 0247 0252 0256
0268 0271 0288 0297 0304 0398 0411 0413 0426 0443 0455 0466

statistics
0005 0015 0024 0032 0034 0036 0084 0091 0093 0104 0135 0136 0147 0180 0183 0199
0200 0201 0213 0245 0249 0252 0260 0261 0267 0268 0271 0284 0378 0392 0411 0466
0468

technical consultancy
0007 0104 0183 0196 0201 0249 0256 0268 0271 0275 0288 0411 0455

training and education
0104 0200 0201 0213 0245 0249 0256 0271 0436 0455

transport and storage
0005 0084 0104 0108 0151 0183 0185 0196 0199 0200 0201 0245 0256 0260 0261 0268
0271 0275 0288 0297 0340 0385 0411 0466

utilisation
0011 0387

DIRECT METHODS

application of recent technology
0092 0214 0285 0316 0411 0455

assessment and evaluation
0092 0316 0323 0432

conservation
0034 0214 0285 0297 0304 0316 0330

economic factors
0214 0285 0316 0410 0411

environment
0293

exploitation and development of resources
0323 0432

forecasting
0191 0192

general
0109 0134 0191 0200 0205 0285 0289 0290 0291 0293 0294 0295 0298 0299 0300 0303
0320 0326 0331 0335 0348 0349 0404 0410 0411

methodology, systems modelling
 0192 0214 0316 0346 0411 0434

planning and management
 0316 0410

policy formulation
 0410

production
 0191 0214 0304 0312

research (R & D)
 0092 0192 0214 0241 0242 0243 0301 0316 0323 0387

statistics
 0214

technical consultancy
 0092 0316 0455

training and education
 0455

transport and storage
 0214

ELECTRICITY

application of recent technology
 0029 0078 0092 0095 0117 0153 0154 0161 0179 0207 0214 0257 0259 0264 0265 0266
 0268 0270 0271 0274 0280 0288 0316 0373 0387 0389 0410 0411 0417 0432 0447 0450

assessment and evaluation
 0034 0078 0092 0117 0137 0202 0207 0245 0246 0252 0257 0260 0261 0265 0266 0268
 0270 0297 0316 0319 0323 0330 0344 0387 0410 0411 0417 0447

conservation
 0023 0056 0093 0130 0153 0179 0214 0252 0257 0260 0261 0266 0268 0270 0271 0280
 0281 0285 0287 0310 0316 0319 0376 0387 0388 0407 0417 0432 0466

economic factors
 0005 0006 0034 0059 0078 0129 0130 0135 0136 0170 0179 0197 0202 0206 0207 0214
 0246 0260 0265 0266 0268 0270 0280 0287 0288 0301 0312 0316 0318 0319 0337 0387
 0388 0410 0411 0417 0432 0436 0447 0450 0466

environment
 0293

exploitation and development of resources
 0005 0029 0056 0078 0092 0095 0117 0130 0170 0200 0252 0257 0260 0265 0266 0268
 0270 0271 0275 0288 0309 0316 0322 0323 0432 0447 0466

forecasting
 0005 0034 0059 0078 0093 0130 0135 0179 0191 0199 0202 0211 0245 0246 0252 0257
 0260 0261 0265 0266 0268 0270 0271 0279 0280 0312 0316 0318 0319 0337 0373 0387
 0388 0398 0410 0411 0417 0432 0447 0466 0468

general
 0001 0002 0005 0011 0016 0029 0034 0183 0189 0191 0199 0200 0204 0209 0211 0235
 0285 0292 0293 0294 0295 0298 0300 0314 0321 0326 0331 0332 0335 0348 0355 0376
 0387 0392 0404 0410 0411 0464 0468

health and safety
 0029 0034 0038 0095 0154 0202 0207 0211 0245 0257 0265 0271 0275 0288 0316 0373
 0387 0417 0432 0436

legislation and regulation
 0034 0038 0127 0129 0154 0170 0204 0245 0252 0260 0265 0266 0268 0270 0275 0280
 0281 0316 0410 0417 0432

marketing and distribution
 0016 0029 0034 0058 0117 0170 0202 0206 0207 0211 0252 0260 0261 0265 0266 0268
 0275 0280 0316 0388 0417 0432 0466

methodology, systems modelling
 0029 0078 0117 0202 0206 0207 0214 0245 0257 0264 0265 0268 0271 0274 0275 0288
 0316 0318 0373 0387 0410 0411 0417 0432 0434 0447 0466

planning and management
 0029 0078 0206 0245 0257 0264 0266 0268 0274 0275 0373 0387 0388 0397 0410 0417
 0432 0447

policy formulation

0034 0129 0202 0204 0245 0252 0257 0259 0260 0261 0264 0265 0266 0268 0270 0274
0278 0279 0280 0281 0316 0337 0388 0410 0411 0417 0432 0434 0468

production

0005 0007 0016 0029 0038 0058 0059 0078 0092 0095 0111 0117 0130 0138 0170 0185
0186 0191 0200 0202 0207 0214 0252 0257 0260 0261 0264 0265 0266 0267 0268 0270
0271 0274 0280 0301 0306 0315 0316 0329 0373 0393 0394 0410 0417 0432 0447 0466

research (R & D)

0006 0018 0029 0059 0078 0092 0095 0111 0117 0137 0154 0179 0186 0206 0207 0211
0214 0245 0252 0257 0264 0265 0266 0268 0270 0271 0274 0288 0301 0310 0316 0318
0323 0371 0372 0373 0387 0388 0389 0394 0395 0410 0411 0417 0432 0447 0450 0466

standardisation

0014

statistics

0005 0029 0034 0038 0058 0078 0093 0129 0130 0135 0136 0180 0199 0206 0207 0211
0214 0245 0251 0252 0257 0260 0261 0264 0265 0266 0267 0268 0270 0271 0274 0279
0280 0281 0284 0316 0318 0378 0387 0388 0410 0411 0417 0432 0447 0466 0468

technical consultancy

0007 0023 0029 0059 0092 0130 0153 0189 0202 0211 0259 0266 0268 0271 0274 0275
0280 0281 0288 0316 0373 0389 0410 0417 0447

training and education

0029 0154 0202 0207 0245 0265 0266 0271 0274 0301 0316 0387 0388 0395 0417 0432
0436

transport and storage

0007 0029 0034 0078 0092 0095 0117 0179 0202 0207 0214 0245 0257 0260 0261 0265
0268 0271 0275 0288 0301 0310 0312 0330 0344 0387 0410 0417 0447 0450 0466

transport policy and technology

0176 0301 0379

utilisation

0011 0023 0029 0387 0394

wave energy

0291

GENERAL

application of recent technology

0003 0017 0078 0092 0094 0095 0096 0098 0103 0108 0117 0132 0168 0200 0205 0232
0247 0256 0257 0264 0265 0266 0268 0270 0271 0280 0363 0376 0382 0398 0410 0411
0417 0447 0455

assessment and evaluation

0017 0041 0051 0063 0078 0079 0092 0094 0096 0098 0117 0132 0201 0205 0229 0252
0256 0257 0259 0260 0261 0265 0266 0268 0270 0316 0319 0333 0344 0365 0369 0376
0378 0382 0385 0387 0391 0410 0411 0414 0416 0447 0448

conservation

0010 0017 0034 0043 0049 0053 0054 0072 0079 0092 0096 0098 0118 0130 0132 0135
0135 0192 0200 0201 0208 0209 0217 0236 0247 0252 0256 0257 0259 0260 0261 0262
0263 0266 0268 0270 0271 0276 0280 0281 0319 0363 0369 0376 0378 0380 0381 0382
0387 0391 0392 0398 0410 0411 0414 0416 0455 0466

earth and atmospheric sciences

0233

economic factors

0016 0017 0032 0040 0041 0050 0051 0055 0066 0071 0072 0073 0074 0078 0079 0086
0089 0093 0094 0096 0098 0103 0116 0121 0130 0132 0135 0136 0156 0185 0190 0206
0209 0217 0219 0220 0224 0227 0229 0234 0246 0247 0256 0260 0262 0265 0266 0268
0270 0280 0286 0297 0304 0316 0319 0333 0337 0369 0378 0382 0385 0387 0391 0410
0411 0414 0447 0448 0454 0457 0466

electrical equipment

0018

exploitation and development of resources

0016 0017 0041 0055 0060 0078 0092 0094 0095 0096 0098 0102 0117 0130 0135 0192
0200 0209 0223 0229 0232 0252 0256 0257 0259 0260 0263 0265 0266 0268 0270 0271
0275 0322 0363 0365 0382 0411 0447 0448 0466

forecasting

0017 0034 0040 0050 0063 0078 0079 0086 0089 0094 0096 0098 0102 0103 0124 0130
0132 0135 0156 0190 0191 0198 0199 0201 0216 0224 0229 0232 0246 0252 0257 0258
0259 0260 0261 0263 0265 0266 0268 0270 0271 0276 0279 0280 0286 0319 0330 0333
0337 0382 0385 0387 0391 0410 0411 0416 0447 0448 0457 0466 0468

general

0016 0017 0020 0028 0029 0035 0048 0057 0062 0064 0114 0124 0141 0148 0199 0216
 0228 0233 0238 0239 0247 0248 0293 0294 0296 0302 0309 0311 0313 0320 0322 0324
 0326 0331 0332 0333 0334 0335 0340 0347 0350 0352 0363 0364 0365 0378 0387 0398
 0399 0410 0416 0417 0419 0429 0435 0446 0461 0468

health and safety

0003 0004 0016 0051 0079 0092 0095 0108 0132 0135 0200 0201 0205 0211 0217 0229
 0256 0257 0265 0271 0275 0363 0365 0380 0391 0398 0410 0411

In-service inspection and monitoring

0003

insurance

0004

legislation and regulation

0016 0017 0063 0079 0086 0096 0097 0098 0102 0103 0108 0115 0116 0118 0121 0132
 0135 0201 0204 0229 0231 0232 0237 0252 0260 0263 0265 0266 0268 0270 0275 0280
 0281 0382 0391 0398 0410 0454

marketing and distribution

0017 0032 0034 0094 0096 0098 0102 0117 0201 0206 0208 0209 0252 0259 0260 0261
 0262 0265 0266 0268 0275 0280 0363 0382 0385 0391 0398 0411 0448 0466

methodology, systems modelling

0017 0050 0078 0092 0093 0094 0096 0098 0117 0132 0135 0201 0205 0206 0216 0234
 0256 0257 0264 0265 0268 0271 0275 0276 0298 0318 0319 0323 0327 0330 0333 0342
 0344 0369 0380 0382 0387 0391 0398 0410 0411 0414 0447 0466

patents

0231

planning and management

0016 0017 0040 0078 0079 0086 0093 0094 0096 0098 0102 0103 0116 0121 0132 0135
 0156 0201 0205 0206 0216 0229 0257 0259 0264 0266 0268 0275 0316 0354 0369 0378
 0382 0385 0387 0391 0410 0412 0414 0447 0457

policy formulation

0034 0063 0075 0079 0086 0096 0098 0102 0103 0115 0132 0135 0191 0192 0197 0198
 0200 0204 0207 0213 0216 0229 0232 0252 0256 0257 0259 0260 0261 0262 0263 0264
 0265 0266 0268 0270 0278 0279 0280 0281 0337 0354 0369 0382 0385 0391 0410 0416
 0417 0454 0457 0468

production

0017 0078 0094 0095 0096 0098 0102 0117 0130 0135 0156 0185 0191 0200 0205 0216
 0232 0247 0252 0257 0259 0260 0261 0264 0265 0266 0267 0268 0270 0271 0280 0363
 0382 0398 0411 0447 0448 0454 0466

research (R & D)

0010 0017 0029 0034 0049 0050 0051 0052 0053 0054 0072 0078 0079 0092 0094 0095
 0096 0098 0117 0132 0135 0190 0200 0201 0205 0206 0209 0247 0252 0254 0256 0257
 0258 0259 0264 0265 0266 0268 0270 0271 0286 0297 0302 0304 0313 0327 0333 0363
 0369 0376 0380 0382 0398 0411 0447 0455 0458 0466

standards

0237

statistics

0016 0017 0032 0047 0078 0079 0086 0096 0098 0102 0121 0130 0132 0135 0136 0180
 0198 0200 0201 0206 0208 0211 0217 0224 0225 0229 0234 0246 0252 0257 0258 0260
 0261 0263 0264 0265 0266 0267 0268 0270 0271 0279 0280 0281 0286 0333 0344 0363
 0369 0375 0382 0385 0387 0398 0410 0411 0433 0445 0447 0448 0454 0457 0466 0468

technical consultancy

0003 0066 0071 0073 0074 0092 0130 0132 0156 0168 0201 0205 0256 0259 0266 0268
 0271 0275 0280 0281 0287 0319 0326 0333 0376 0380 0391 0397 0410 0414 0416 0434
 0447 0455 0458

training and education

0003 0051 0066 0092 0108 0132 0135 0200 0201 0205 0209 0213 0216 0256 0262 0265
 0266 0271 0275 0319 0333 0369 0376 0391 0398 0410 0414

transport and storage

0017 0037 0078 0092 0095 0096 0098 0108 0117 0132 0135 0201 0209 0226 0229 0232
 0256 0257 0260 0261 0262 0263 0265 0268 0271 0275 0276 0319 0363 0382 0391 0398
 0410 0411 0428 0447 0448 0466

transport policy and technology

0176

Utilisation

0037 0103 0132 0387

GEOTHERMAL ENERGY

application of recent technology	0005	0010	0078	0108	0161	0168	0214	0256	0259	0268	0270	0280	0411	0447		
assessment and evaluation	0078	0245	0249	0256	0260	0261	0268	0270	0432	0447						
conservation	0214	0249	0256	0260	0261	0263	0268	0270	0280							
economic factors	0078	0091	0135	0161	0206	0214	0256	0260	0268	0270	0280	0410	0447	0456		
exploitation and development of resources	0031	0078	0091	0135	0161	0256	0260	0263	0268	0270	0275	0432	0434	0447		
forecasting	0078	0135	0245	0260	0261	0263	0268	0270	0279	0280	0447	0456	0468			
general	0005	0011	0034	0109	0134	0200	0209	0248	0326	0335	0345	0355	0404	0410	0411	0446
	0468															
health and safety	0245	0249	0256	0275												
legislation and regulation	0135	0245	0260	0263	0268	0270	0275	0280								
marketing and distribution	0161	0206	0261	0268	0275											
methodology, systems modelling	0078	0091	0206	0214	0245	0256	0268	0275	0447							
planning and management	0078	0135	0206	0245	0268	0447										
policy formulation	0135	0245	0256	0259	0260	0261	0263	0268	0270	0279	0280	0468				
production	0078	0091	0135	0161	0214	0260	0261	0267	0268	0270	0280	0447	0456			
research (R & D)	0031	0034	0078	0091	0135	0161	0206	0214	0245	0256	0268	0270	0447			
statistics	0078	0091	0135	0206	0214	0245	0249	0260	0261	0263	0267	0268	0270	0279	0280	0447
	0468															
technical consultancy	0007	0108	0161	0168	0209	0249	0256	0259	0268	0275	0280	0447				
training and education	0108	0245	0249	0256												
transport and storage	0078	0214	0245	0256	0263	0268	0275	0447	0456							
utilisation	0011															

HYDROELECTRIC POWER

application of recent technology	0010	0078	0094	0214	0266	0268	0270	0280	0288	0395	0417	0447				
assessment and evaluation	0078	0094	0252	0259	0260	0261	0266	0268	0270	0410	0417	0427	0447			
conservation	0034	0214	0252	0259	0260	0261	0266	0268	0270	0280	0281	0466				
economic factors	0005	0078	0094	0129	0202	0214	0260	0266	0268	0270	0280	0288	0410	0417	0427	0436
	0447	0466														
exploitation and development of resources	0034	0078	0094	0252	0259	0260	0266	0268	0270	0275	0288	0417	0427	0432	0447	0466
forecasting	0034	0078	0094	0202	0252	0259	0260	0261	0266	0268	0270	0280	0432	0447	0466	0468

general
 0002 0011 0016 0034 0204 0211 0235 0248 0404 0410 0427 0468
 health and safety
 0034 0275 0288 0436
 legislation and regulation
 0129 0204 0252 0260 0266 0268 0270 0275 0280 0281 0417
 marketing and distribution
 0094 0252 0259 0260 0261 0266 0268 0275 0280 0466
 methodology, systems modelling
 0078 0094 0214 0266 0268 0288 0395 0410 0417 0447 0466
 planning and management
 0078 0094 0206 0259 0266 0268 0275 0410 0417 0432 0447
 policy formulation
 0034 0129 0192 0204 0252 0259 0260 0261 0266 0268 0270 0278 0280 0281 0410 0417
 0432 0468
 production
 0078 0094 0185 0202 0214 0252 0259 0260 0261 0266 0267 0268 0270 0280 0427 0447
 0466
 research (R & D)
 0078 0094 0214 0252 0259 0266 0268 0270 0288 0395 0417 0427 0447 0466
 statistics
 0005 0078 0129 0180 0199 0211 0214 0252 0260 0261 0266 0267 0268 0270 0280 0281
 0447 0466 0468
 technical consultancy
 0007 0259 0268 0275 0280 0281 0288 0395 0427 0447
 training and education
 0266 0395 0417 0427 0436
 transport and storage
 0078 0214 0260 0261 0268 0275 0288 0447 0466
 utilisation
 0011
 wave energy
 0362

HYDROGEN

application of recent technology
 0092 0172 0196 0197 0247 0277 0411
 assessment and evaluation
 0092 0137 0201 0259 0319 0330 0344 0387 0410 0411 0432
 conservation
 0130 0201 0247 0259 0263 0276 0277
 economic factors
 0130 0135 0206 0247 0410 0411 0434
 exploitation and development of resources
 0092 0130 0135 0253 0259 0263 0275 0343 0380 0410
 forecasting
 0124 0130 0135 0192 0201 0259 0263 0276 0277 0319 0410 0411
 general
 0002 0011 0016 0034 0124 0134 0134 0196 0247 0248 0285 0299 0320 0326 0335 0349
 0355 0380 0410 0411
 health and safety
 0034 0201 0253 0275
 legislation and regulation
 0108 0135 0201 0263
 marketing and distribution
 0201 0206 0259 0277 0410
 methodology, systems modelling
 0192 0201 0206 0253 0276 0330 0410 0434

planning and management
 0135 0201 0206 0259 0410
 policy formulation
 0135 0192 0196 0259 0263 0410 0434
 production
 0092 0130 0135 0247 0259 0267 0277 0342 0343 0344 0351 0410 0411
 research (R & D)
 0092 0135 0137 0172 0192 0201 0206 0207 0247 0253 0259 0277 0297 0304 0342 0343
 0351 0380 0410 0411 0438 0443
 statistics
 0130 0201 0206 0263 0267 0277 0380
 technical consultancy
 0092 0130 0196 0201 0253 0266 0277 0380
 training and education
 0201 0253 0343 0351
 transport and storage
 0016 0034 0092 0108 0172 0192 0201 0253 0263 0275 0276 0344 0410 0443
 utilisation
 0011

MAGNETOHYDRODYNAMIC POWER

application of recent technology
 0088 0214 0257 0259
 assessment and evaluation
 0245 0257 0259 0316 0319 0432
 conservation
 0214 0257 0259 0319
 economic factors
 0206 0214 0301 0319
 exploitation and development of resources
 0257 0259 0301
 forecasting
 0245 0257 0259 0319 0468
 general
 0011 0016 0109 0134 0200 0248 0348 0404 0411 0468
 health and safety
 0088 0245 0257
 legislation and regulation
 0245
 marketing and distribution
 0206 0259
 methodology, systems modelling
 0206 0214 0245 0257
 planning and management
 0206 0245 0257 0259 0319
 policy formulation
 0192 0245 0257 0468
 production
 0088 0111 0214 0257 0259 0308
 research (R & D)
 0088 0111 0135 0206 0214 0245 0257 0259 0301 0308 0319 0411
 statistics
 0206 0214 0245 0257 0468
 technical consultancy
 0259
 training and education
 0245 0301

transport and storage
0088 0214 0245 0257

utilisation
0011

MANUFACTURED GAS

application of recent technology
0008 0013 0036 0084 0183 0196 0197 0247 0264 0277 0285 0361 0411 0455

assessment and evaluation
0008 0013 0034 0084 0201 0249 0283 0297 0319 0344 0387 0411

conservation
0008 0013 0034 0056 0093 0130 0201 0247 0249 0262 0271 0277 0283 0361 0376 0407
0455 0466

economic factors
0005 0006 0032 0034 0084 0106 0130 0136 0155 0196 0247 0250 0262 0285 0297 0398
0411 0466

exploitation and development of resources
0056 0130 0271 0411 0466

forecasting
0034 0093 0124 0130 0191 0201 0271 0277 0283 0319 0398 0411 0466 0468

general
0005 0011 0016 0019 0030 0034 0036 0124 0134 0183 0191 0196 0200 0204 0209 0247
0248 0285 0299 0303 0320 0331 0335 0339 0349 0358 0376 0405 0411 0468

health and safety
0008 0013 0034 0201 0249 0250 0271 0283 0361 0411

legislation and regulation
0034 0084 0106 0108 0151 0199 0201 0204 0283 0411

marketing and distribution
0016 0084 0155 0201 0250 0262 0277 0283 0452 0466

methodology, systems modelling
0201 0264 0271 0361 0411 0455 0466

planning and management
0135 0201 0264

policy formulation
0034 0135 0196 0199 0204 0262 0264 0283 0398 0411 0468

production
0005 0008 0013 0016 0036 0084 0130 0155 0191 0247 0264 0267 0271 0277 0285 0342
0411 0466

research (R & D)
0006 0008 0013 0183 0196 0197 0201 0247 0264 0271 0277 0297 0304 0342 0361 0398
0411 0455 0466

statistics
0032 0034 0061 0084 0093 0130 0136 0180 0199 0201 0249 0250 0264 0267 0271 0277
0283 0284 0361 0411 0466 0468

technical consultancy
0008 0013 0106 0130 0183 0196 0201 0203 0249 0271 0277 0455

training and education
0008 0013 0201 0249 0262 0271 0452 0455

transport and storage
0008 0013 0016 0084 0108 0151 0155 0185 0196 0201 0203 0262 0271 0283 0385 0411
0466

utilisation
0011 0387

NATURAL GAS

application of recent technology
0008 0013 0084 0153 0165 0172 0221 0247 0264 0268 0271 0277 0288 0359 0361 0391
0411 0417 0418 0430 0455

assessment and evaluation

0008 0013 0034 0084 0137 0201 0221 0245 0249 0252 0259 0260 0261 0268 0283 0297
0312 0319 0387 0391 0397 0402 0411 0418 0430

conservation

0008 0013 0023 0034 0056 0093 0130 0135 0135 0153 0165 0201 0245 0247 0249 0252
0259 0260 0261 0262 0268 0271 0276 0277 0283 0285 0287 0336 0361 0376 0387 0391
0402 0407 0418 0430 0455 0466

economic factors

0005 0006 0024 0032 0034 0084 0091 0106 0130 0135 0136 0155 0162 0165 0170 0200
0250 0260 0262 0268 0285 0287 0288 0297 0304 0312 0316 0390 0391 0392 0397 0398
0402 0410 0411 0418 0436 0466

environment

0418

exploitation and development of resources

0005 0024 0031 0056 0091 0130 0135 0162 0165 0170 0199 0200 0221 0252 0259 0260
0268 0271 0275 0288 0297 0322 0328 0397 0398 0402 0411 0418 0434 0466

forecasting

0005 0034 0093 0124 0130 0135 0191 0201 0245 0252 0259 0260 0261 0268 0271 0276
0277 0283 0312 0316 0319 0387 0391 0398 0411 0418 0432 0466 0468

general

0005 0011 0016 0019 0024 0030 0034 0107 0124 0134 0174 0191 0196 0200 0204 0209
0221 0230 0247 0248 0272 0285 0290 0296 0320 0324 0331 0332 0335 0349 0358 0376
0390 0392 0405 0410 0429 0468

health and safety

0008 0013 0034 0135 0201 0221 0245 0249 0250 0271 0275 0283 0288 0361 0391 0402
0418 0436

legislation and regulation

0034 0084 0090 0097 0106 0107 0108 0135 0151 0170 0199 0201 0204 0221 0245 0252
0260 0268 0275 0283 0391 0402 0418

marketing and distribution

0016 0034 0084 0135 0155 0162 0165 0170 0201 0221 0245 0250 0252 0259 0260 0261
0262 0268 0275 0277 0283 0391 0402 0418 0430 0466

methodology, systems modelling

0091 0135 0201 0245 0264 0268 0271 0275 0276 0288 0361 0387 0390 0391 0397 0418
0455 0466

planning and management

0135 0201 0221 0245 0259 0264 0268 0275 0316 0387 0390 0391 0397 0410 0418 0432

policy formulation

0034 0090 0135 0165 0196 0199 0204 0221 0245 0252 0259 0260 0261 0262 0264 0268
0283 0390 0391 0398 0410 0418 0432 0468

production

0005 0008 0013 0016 0024 0084 0091 0122 0130 0135 0155 0162 0165 0170 0191 0221
0247 0252 0259 0260 0261 0264 0267 0268 0271 0277 0328 0342 0351 0391 0398 0402
0418 0466

research (R & D)

0006 0008 0013 0031 0034 0091 0122 0135 0137 0165 0172 0201 0245 0252 0259 0264
0268 0271 0277 0288 0297 0304 0328 0342 0351 0359 0360 0361 0391 0398 0401 0418
0428 0430 0455 0466

statistics

0005 0024 0032 0034 0061 0084 0091 0093 0107 0130 0135 0136 0162 0175 0180 0199
0201 0221 0245 0249 0250 0252 0260 0261 0264 0267 0268 0271 0277 0283 0284 0361
0378 0392 0402 0411 0418 0430 0466 0468

technical consultancy

0007 0008 0013 0023 0106 0130 0153 0189 0196 0201 0203 0245 0249 0268 0271 0275
0277 0288 0359 0390 0391 0401 0402 0455

training and education

0008 0013 0135 0201 0245 0249 0262 0271 0351 0391 0402 0418 0436 0455

transport and storage

0005 0008 0013 0016 0034 0084 0108 0135 0151 0155 0162 0165 0172 0185 0196 0199
0201 0203 0221 0245 0260 0261 0262 0268 0271 0275 0276 0283 0288 0297 0359 0385
0391 0398 0401 0402 0411 0418 0430 0466

utilisation

0011 0023 0387

NUCLEAR ENERGY, FISSION

application of recent technology																
0005	0010	0022	0078	0088	0092	0123	0188	0197	0205	0214	0246	0247	0257	0259	0264	
0265	0268	0270	0274	0280	0316	0365	0366	0411	0417	0432	0443	0447				
assessment and evaluation																
0022	0034	0045	0070	0078	0092	0123	0201	0205	0245	0246	0249	0257	0261	0265	0268	
0270	0297	0316	0319	0365	0366	0397	0406	0410	0411	0447	0448					
conservation																
0201	0214	0247	0249	0257	0261	0263	0268	0270	0276	0280	0319	0365				
economic factors																
0005	0006	0022	0034	0078	0123	0135	0184	0197	0202	0206	0214	0246	0247	0255	0265	
0268	0270	0280	0312	0316	0319	0365	0366	0397	0410	0411	0432	0434	0436	0447	0448	
exploitation and development of resources																
0005	0022	0034	0070	0078	0092	0123	0135	0188	0253	0257	0263	0265	0268	0269	0270	
0275	0316	0365	0366	0406	0432	0434	0443	0447	0448							
forecasting																
0005	0034	0078	0191	0201	0202	0245	0246	0257	0261	0263	0265	0268	0269	0270	0276	
0280	0312	0316	0319	0366	0406	0410	0411	0432	0447	0448	0468					
general																
0002	0005	0011	0016	0034	0081	0109	0159	0184	0188	0191	0200	0204	0205	0211	0215	
0240	0247	0248	0285	0295	0300	0319	0321	0326	0331	0332	0335	0341	0348	0365	0404	
0410	0411	0437	0468													
health and safety																
0005	0034	0042	0088	0188	0201	0205	0245	0246	0249	0253	0257	0265	0275	0316	0319	
0365	0366	0371	0406	0410	0432	0436	0443									
legislation and regulation																
0022	0034	0123	0201	0204	0245	0255	0263	0265	0268	0270	0275	0280	0316	0319	0366	
0406	0410	0432														
marketing and distribution																
0016	0201	0206	0261	0265	0268	0275	0280	0366	0448							
methodology, systems modelling																
0078	0188	0197	0201	0205	0206	0214	0245	0253	0257	0264	0265	0268	0274	0275	0276	
0316	0366	0410	0411	0432	0434	0447										
planning and management																
0078	0201	0205	0206	0245	0246	0257	0264	0268	0274	0275	0319	0366	0406	0410	0432	
0447																
policy formulation																
0204	0245	0246	0257	0259	0261	0263	0264	0265	0268	0269	0270	0274	0278	0280	0366	
0410	0411	0432	0434	0468												
production																
0005	0016	0022	0034	0078	0088	0092	0111	0122	0123	0191	0202	0205	0214	0246	0247	
0257	0261	0264	0265	0268	0270	0274	0280	0315	0366	0410	0432	0443	0447	0448		
research (R & D)																
0006	0018	0022	0042	0068	0070	0078	0088	0092	0111	0122	0123	0188	0201	0205	0206	
0214	0245	0246	0247	0253	0254	0257	0264	0265	0268	0270	0274	0307	0315	0316	0319	
0355	0365	0366	0371	0406	0410	0432	0443	0447								
statistics																
0005	0034	0078	0135	0180	0199	0201	0206	0211	0214	0245	0246	0249	0257	0261	0263	
0264	0265	0268	0270	0274	0280	0316	0366	0411	0432	0447	0448	0468				
technical consultancy																
0022	0092	0123	0201	0205	0249	0253	0259	0268	0274	0275	0280	0316	0319	0366	0447	
training and education																
0070	0201	0205	0245	0249	0253	0265	0269	0274	0316	0319	0366	0406	0432	0436	0443	
transport and storage																
0078	0088	0188	0201	0214	0245	0253	0257	0261	0263	0265	0268	0275	0276	0285	0316	
0366	0406	0410	0432	0447	0448											
utilisation																
0011																

NUCLEAR ENERGY, PLASMA, FUSION

application of recent technology													
0088	0092	0188	0214	0257	0259	0264	0265	0280	0338	0365	0366	0443	

exploitation and development of resources															
0005	0024	0031	0056	0091	0092	0130	0135	0157	0162	0165	0170	0199	0200	0252	0259
0260	0268	0271	0275	0288	0297	0322	0392	0397	0398	0402	0418	0434			
forecasting															
0005	0034	0083	0093	0130	0135	0191	0201	0245	0252	0259	0260	0261	0268	0271	0276
0277	0279	0283	0312	0316	0318	0387	0391	0392	0398	0418	0432	0468			
general															
0005	0009	0011	0016	0024	0034	0107	0134	0174	0191	0196	0200	0204	0209	0230	0247
0248	0272	0285	0296	0324	0331	0332	0335	0348	0376	0390	0392	0410	0429	0449	0468
geological surveys															
0400															
health and safety															
0034	0135	0201	0217	0245	0249	0271	0275	0283	0288	0319	0391	0392	0402	0418	0436
0449															
legislation and regulation															
0034	0080	0084	0090	0097	0107	0108	0135	0151	0169	0170	0199	0201	0204	0245	0252
0260	0268	0275	0283	0391	0392	0398	0402	0418	0449						
marketing and distribution															
0034	0083	0135	0155	0157	0162	0165	0170	0201	0245	0252	0259	0260	0261	0262	0268
0275	0277	0283	0346	0391	0392	0402	0410	0418	0430	0452					
methodology, systems modelling															
0091	0135	0201	0245	0264	0268	0271	0275	0276	0288	0387	0390	0391	0410	0418	0434
0455															
planning and management															
0135	0199	0201	0245	0259	0264	0268	0275	0316	0387	0390	0391	0392	0397	0398	0410
0418	0432	0449													
policy formulation															
0034	0090	0135	0157	0165	0196	0199	0204	0245	0252	0259	0260	0261	0262	0264	0268
0279	0283	0390	0391	0392	0398	0410	0418	0432	0434	0449	0468				
production															
0005	0024	0084	0091	0092	0119	0122	0130	0135	0155	0157	0162	0165	0170	0191	0247
0252	0259	0260	0261	0264	0267	0268	0271	0277	0306	0391	0392	0398	0402	0418	
research (R & D)															
0006	0031	0091	0092	0122	0135	0137	0165	0201	0245	0247	0252	0259	0264	0268	0271
0277	0288	0297	0304	0346	0391	0392	0398	0401	0410	0418	0430	0449	0455		
statistics															
0005	0024	0032	0034	0080	0083	0084	0091	0093	0107	0119	0130	0135	0136	0157	0162
0175	0180	0198	0199	0201	0217	0245	0249	0252	0260	0261	0264	0267	0268	0271	0277
0279	0282	0283	0284	0318	0378	0392	0402	0411	0418	0430	0449	0468			
technical consultancy															
0007	0009	0023	0083	0092	0130	0153	0196	0201	0245	0249	0268	0271	0275	0277	0288
0390	0391	0401	0402	0449	0455										
training and education															
0009	0135	0201	0245	0249	0262	0271	0391	0402	0418	0436	0452	0455			
transport and storage															
0005	0034	0084	0092	0108	0135	0151	0155	0157	0162	0165	0167	0185	0199	0201	0245
0260	0261	0262	0268	0271	0275	0276	0283	0285	0288	0297	0391	0392	0398	0401	0402
0418	0430	0449													
transport policy and technology															
0176 0379															
utilisation															
0011 0023 0387															

OIL SHALES AND TAR SANDS

application of recent technology															
0165	0196	0247	0256	0268	0411	0455									
assessment and evaluation															
0245	0256	0260	0261	0268	0411										
conservation															
0245	0247	0256	0260	0261	0262	0268									
economic factors															
0091	0135	0165	0200	0247	0256	0260	0262	0268	0398	0411					

exploitation and development of resources
0031 0091 0135 0165 0256 0260 0268 0275 0398 0411

forecasting
0135 0191 0245 0260 0261 0268 0398 0468

general
0134 0174 0191 0196 0200 0204 0230 0247 0335 0392 0411 0468

health and safety
0245 0256 0275

legislation and regulation
0135 0204 0245 0260 0268 0275

marketing and distribution
0245 0261 0262 0268 0275

methodology, systems modelling
0091 0245 0256 0268 0275 0434

planning and management
0135 0245 0268 0275

policy formulation
0135 0165 0204 0245 0256 0260 0261 0262 0268 0398 0434 0468

production
0091 0135 0165 0191 0247 0260 0261 0268 0398 0411

research (R & D)
0031 0091 0135 0165 0245 0247 0256 0268 0411 0455

statistics
0091 0135 0245 0260 0261 0268 0411 0468

technical consultancy
0196 0245 0256 0268 0275 0455

training and education
0245 0256 0262 0455

transport and storage
0245 0256 0261 0262 0268

OTHER SOURCES

application of recent technology
0092

assessment and evaluation
0092 0297

conservation
0130

economic factors
0130 0155 0297

exploitation and development of resources
0092 0130 0322

forecasting
0130 0468

general
0296 0335 0355 0468

legislation and regulation
0108 0127

marketing and distribution
0155

policy formulation
0261 0468

production
0130 0155 0307

research (R & D)
0092 0307

statistics
 0130 0180 0468

technical consultancy
 0092 0108 0130

transport and storage
 0155 0261

wave energy
 0362

RECOVERY PROCESSES

application of recent technology
 0172 0188 0205 0207 0214 0247 0264 0268 0271 0280 0316 0367 0376 0383 0389 0410
 0411 0418 0425 0428

assessment and evaluation
 0205 0245 0249 0268 0316 0323 0330 0367 0387 0410 0418 0425

conservation
 0214 0247 0249 0268 0304 0316 0318 0319 0323 0330 0336 0367 0376 0407 0418 0420
 0425 0453

economic factors
 0130 0135 0156 0206 0207 0214 0247 0268 0280 0316 0318 0367 0410 0418 0425 0436

environment
 0418

exploitation and development of resources
 0188 0268 0269 0271 0323 0418

forecasting
 0124 0130 0135 0156 0192 0245 0268 0269 0271 0280 0367 0410 0418 0468

general
 0124 0134 0188 0205 0209 0247 0285 0289 0293 0294 0295 0299 0300 0303 0314 0320
 0325 0326 0331 0335 0339 0349 0367 0376 0384 0392 0410 0411 0441 0468

health and safety
 0034 0188 0207 0245 0249 0271 0275 0418 0425 0436

legislation and regulation
 0097 0108 0135 0245 0268 0281 0367 0410 0418 0420

marketing and distribution
 0206 0207 0268 0418

methodology, systems modelling
 0188 0205 0206 0207 0214 0245 0264 0268 0271 0275 0367 0410 0418 0455

planning and management
 0135 0156 0206 0245 0264 0268 0316 0367 0383 0418 0425

policy formulation
 0135 0192 0245 0264 0268 0269 0280 0281 0367 0418 0425 0468

production
 0122 0156 0207 0214 0247 0264 0268 0304 0418

research (R & D)
 0122 0135 0172 0188 0192 0205 0206 0207 0214 0245 0247 0264 0268 0271 0316 0318
 0323 0336 0353 0367 0368 0383 0389 0410 0418 0420 0421 0425

statistics
 0130 0135 0180 0206 0214 0245 0249 0264 0268 0271 0281 0367 0368 0418 0468

technical consultancy
 0130 0156 0249 0268 0271 0275 0280 0281 0316 0336 0367 0389 0420 0428 0453

training and education
 0245 0249 0269 0271 0275 0418 0420 0425 0436

transport and storage
 0172 0188 0207 0214 0245 0268 0418 0425

utilisation
 0387

SOLAR ENERGY

application of recent technology	0005	0078	0092	0094	0108	0152	0153	0154	0161	0172	0179	0214	0247	0268	0270	0280
	0287	0376	0411	0443	0447	0458	0459									
assessment and evaluation	0078	0092	0094	0245	0259	0260	0261	0268	0270	0312	0316	0319	0330	0342	0432	0447
	0458															
conservation	0130	0153	0179	0214	0236	0247	0259	0260	0261	0263	0268	0270	0276	0280	0287	0310
	0376															
economic factors	0078	0094	0130	0156	0161	0179	0206	0214	0246	0247	0260	0268	0270	0280	0285	0287
	0312	0316	0410	0447	0458	0459										
environment	0293															
exploitation and development of resources	0005	0078	0092	0094	0130	0152	0161	0253	0259	0260	0263	0268	0270	0275	0285	0287
	0309	0310	0312	0317	0329	0342	0343	0408	0421	0432	0434	0447				
forecasting	0005	0078	0094	0130	0156	0179	0192	0245	0246	0259	0260	0261	0263	0268	0270	0276
	0279	0280	0319	0447	0458	0468										
general	0005	0011	0016	0034	0109	0205	0209	0236	0239	0247	0248	0285	0289	0293	0295	0298
	0300	0325	0326	0348	0355	0376	0380	0392	0404	0410	0411	0446	0468			
health and safety	0154	0245	0253	0275												
heatpump	0295															
legislation and regulation	0154	0245	0260	0263	0268	0270	0280	0458								
marketing and distribution	0094	0152	0161	0206	0259	0261	0268	0287								
methodology, systems modelling	0078	0094	0128	0161	0192	0206	0214	0245	0253	0268	0275	0276	0370	0434	0447	0458
planning and management	0078	0094	0156	0206	0245	0259	0268	0447								
policy formulation	0192	0245	0259	0260	0261	0263	0268	0270	0279	0280	0434	0458	0468			
production	0005	0078	0092	0094	0130	0152	0156	0161	0214	0247	0259	0260	0261	0268	0270	0280
	0287	0310	0312	0317	0329	0342	0343	0351	0447	0459						
research (R & D)	0018	0034	0065	0078	0092	0094	0128	0154	0161	0172	0179	0192	0206	0207	0214	0241
	0245	0247	0253	0259	0268	0270	0287	0310	0312	0316	0317	0329	0342	0343	0351	0370
	0380	0408	0420	0421	0422	0438	0443	0447	0458	0459						
statistics	0078	0130	0206	0214	0245	0246	0260	0261	0263	0268	0270	0279	0280	0380	0447	0468
technical consultancy	0007	0092	0108	0130	0153	0156	0161	0253	0268	0280	0287	0312	0370	0380	0421	0447
	0458	0459														
training and education	0108	0154	0161	0245	0253	0312	0317	0342	0343	0351	0458					
transport and storage	0078	0092	0172	0179	0214	0245	0253	0263	0268	0276	0287	0310	0330	0447	0458	0459
utilisation	0011															

SUBSTITUTED NATURAL GAS

application of recent technology	0008	0013	0084	0183	0196	0197	0247	0277	0361	0391	0411	0455
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assessment and evaluation
0008 0013 0084 0201 0319 0387 0391 0411

conservation
0008 0013 0056 0093 0201 0247 0277 0361 0376 0455

economic factors
0084 0135 0155 0247 0297 0391 0398 0411

exploitation and development of resources
0056 0135 0411

forecasting
0093 0135 0191 0201 0277 0319 0391 0398 0411 0468

general
0016 0183 0191 0196 0200 0247 0320 0335 0349 0358 0376 0405 0411 0468

health and safety
0008 0013 0201 0361 0411

legislation and regulation
0084 0135 0199 0201 0391 0411

marketing and distribution
0016 0084 0155 0201 0277

methodology, systems modelling
0201 0361 0391 0411 0455

planning and management
0135 0199 0201 0391

policy formulation
0135 0196 0199 0391 0398 0411 0468

production
0008 0013 0016 0084 0135 0155 0191 0247 0277 0391 0398 0411

research (R & D)
0008 0013 0135 0183 0200 0201 0247 0277 0297 0304 0360 0361 0391 0398 0411 0455

statistics
0061 0084 0093 0135 0180 0199 0201 0277 0361 0411 0468

technical consultancy
0008 0013 0183 0196 0201 0203 0277 0391 0455

training and education
0008 0013 0201 0455

transport and storage
0008 0013 0016 0084 0155 0201 0203 0391 0411

utilisation
0387

TIDAL ENERGY

application of recent technology
0078 0214 0288 0356 0411 0447

assessment and evaluation
0078 0245 0260 0356 0410 0427 0432 0447

conservation
0214 0260 0356

economic factors
0078 0206 0214 0260 0288 0356 0427 0447

environment
0356

exploitation and development of resources
0078 0260 0275 0288 0356 0427 0432 0447

forecasting
0078 0245 0260 0447 0468

general
0011 0016 0248 0291 0355 0404 0411 0427 0446 0468

health and safety
0245 0288

legislation and regulation
0245 0260

marketing and distribution
0206 0356

methodology, systems modelling
0078 0206 0214 0245 0288 0356 0447

planning and management
0078 0206 0245 0356 0447

policy formulation
0245 0259 0260 0356 0468

production
0078 0185 0214 0260 0356 0427 0447

research (R & D)
0034 0078 0206 0214 0245 0288 0356 0401 0427 0447

statistics
0078 0206 0214 0245 0260 0356 0447 0468

technical consultancy
0288 0356 0401 0427 0447

training and education
0245 0427

transport and storage
0078 0214 0245 0288 0356 0447

utilisation
0011

wave energy
0362

WIND ENERGY

application of recent technology
0005 0076 0078 0092 0094 0108 0153 0154 0214 0247 0288 0387 0411 0447

assessment and evaluation
0078 0092 0094 0245 0260 0312 0316 0319 0330 0387 0432 0447

conservation
0076 0153 0214 0247 0260 0310

economic factors
0078 0094 0206 0214 0247 0260 0288 0301 0306 0312 0316 0319 0387 0434 0447

exploitation and development of resources
0078 0092 0094 0260 0275 0288 0301 0309 0310 0312 0322 0380 0432 0434 0447

forecasting
0078 0094 0192 0245 0260 0319 0387 0447 0468

general
0011 0016 0034 0247 0248 0291 0292 0298 0326 0331 0348 0355 0380 0387 0404 0411
0446 0468

health and safety
0154 0245 0288

legislation and regulation
0154 0245 0260

marketing and distribution
0076 0094 0206

methodology, systems modelling
0078 0094 0192 0206 0214 0245 0288 0380 0434 0447

planning and management
0078 0094 0206 0245 0319 0387 0447

policy formulation
0192 0245 0259 0260 0434 0468

production

0067 0076 0078 0092 0094 0214 0247 0260 0310 0312 0447

research (R & D)

0034 0067 0076 0078 0092 0094 0154 0192 0206 0214 0244 0245 0247 0288 0301 0306
0310 0312 0316 0319 0380 0387 0447

statistics

0078 0206 0214 0245 0260 0380 0387 0447 0468

technical consultancy

0007 0076 0092 0108 0153 0288 0312 0380 0447

training and education

0154 0245 0301 0312 0387

transport and storage

0078 0214 0245 0288 0310 0447

utilisation

0011

WOOD AND PLANTS

application of recent technology

0247

assessment and evaluation

0218 0297

conservation

0056 0247

economic factors

0005 0247 0285 0297

exploitation and development of resources

0056 0218 0434

forecasting

0468

general

0005 0218 0247 0285 0314 0326 0335 0339 0411 0468

policy formulation

0468

production

0247

research (R & D)

0218 0247 0438

statistics

0468

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