

COMMISSION OF THE EUROPEAN COMMUNITIES

energy

PERMANENT DIRECTORY
OF
ENERGY INFORMATION SOURCES IN THE
EUROPEAN COMMUNITY



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COMMISSION OF THE EUROPEAN COMMUNITIES

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

by

E. ALLAIRE, F. BLAMOUTIER, M. MAURICE

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'Economie de l'Energie" of the CNRS

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ABSTRACTS

Permanent directory of energy information sources in the European Community giving the identification of the sources, the identification of the persons in charge of the information services, the aims and objectives of the organizations concerned.

Access to the sources is made via two lists: one for the primary information sources and the other for the documentation centres. Both are entered by permutation indexes: areas/activities and activities/areas.

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Therefore, I wish to express my gratitude to all the Members of the Ad Hoc "Energy Documentation" Group of the Committee for Information and Documentation on Science and Technology (CIDST) and more specially to all experts of the "Inventories" Working Group.

My special thanks are due to Mrs. F. BLAMOUTIER, of the Institut Economique et Juridique de l'Energie, Grenoble, for her invaluable time and assistance and to Mrs. E. ALLAIRE, of the Centre de Documentation des Sciences Humaines du CNRS, Paris, for the processing of the data with the "SPLEEN" software and for her considerable help and her counsel in the preparation of this issue.

Finally, I should like to thank the Commission of the European Communities for permission, support and facilities to carry out the Permanent Directory.

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

EINFUEHRUNG

WARUM EIN QUELLENVERZEICHNIS?

Einige unserer Korrespondenten waren überrascht über diesen etwas ungewöhnlichen Schritt, da sie mehr daran gewöhnt sind, dass Dokumente und nicht die Quellen, von denen sie stammen, erfasst werden (unter Informationsquellen sind die Stellen zu verstehen, die Informationen aus einem bestimmten Fachgebiet *veröffentlichen oder besitzen*). Die Gründe hierfür sind, dass es zwar verhältnismässig einfach ist, systematisch regelmässig erscheinende Dokumente festzustellen – das ist im übrigen geschehen – gelegentlich erscheinende Dokumente hingegen werden erst *a posteriori* mit mehr oder weniger Schwierigkeiten bekannt, je nachdem, ob sie über kommerzielle Kanäle verteilt werden oder der « Untergrundliteratur », diesem Prügelknaben der Dokumentare, angehören (der quantitativ und qualitativ wichtigsten Literatur, sobald es um die wirtschaftlichen oder politischen Aspekte der Energie geht; technische Literatur ist über die klassischen Wege leichter zugänglich).

Wie kann man diese Schwierigkeit überwinden und nützliche Dokumente schon bei ihrem Erscheinen feststellen? Nun, eben gerade durch Erfassung nicht der Dokumente selbst, sondern der Stellen, die sie herausgeben. So erklärt sich das Entstehen dieses Quellenverzeichnisses.

ERFASSTE STELLEN

Zunächst wurde die Frage gestellt : Wer veröffentlicht Energieinformation, und wer macht was? So kamen wir dazu, eine Typologie der entsprechenden Institutionen aufzustellen : *internationale Organisationen*, Quellen von allen bekannten Statistiken, Berichten, Studien, Tagungen; *nationale Stellen*, die für Politik, Planung, Erlass von Vorschriften, Erhebungen usw. zuständig sind, öffentliche und private *Energieunternehmen* : *andere Unternehmen*, die entweder als Grossverbraucher (Verbrauchsstatistik, neue Technologien usw.) oder durch ihre Verbindung mit dem Energiemarkt (elektrotechnische Industrie, Veredelungsindustrie, usw.) direkt interessiert sind; *Berufsverbände* und technische Zentren; *Forschungszentren*; *Finanzinstitute* und die immer zahlreicheren Beraterstellen, vor allem im Kernenergiebereich; schliesslich die « *Informationsektoren* » – Stellen, die Informationen herausgeben oder besitzen, deren Autor sie nicht sind, sondern nur deren Verteiler.

Hiervon ausgehend wurde in den Ländern der Gemeinschaft (ausserdem bei den internationalen Organisationen,

INTRODUCTION

WHY COMPILE AN INVENTORY OF SOURCES?

Some of our correspondents, who are more used to seeing classified lists of documents than of their sources, have been surprised by this slightly unusual step (by information sources we mean the organizations *which publish or store information in a given field*). The reasons are as follows: – although periodical documents are relatively easy to trace systematically – (we have done it ourselves), non periodical documents can only be traced *after publication*, the ease with which this can be done depending on whether they are distributed by the trade or whether they belong to the category (beneath the documentalist's notice) of "underground" literature (as regards size and value this is the most important category in the field of economic or political problems relating to energy, and technical literature is more accessible via the conventional channels).

How can this problem be overcome and useful documents traced immediately on publication? The only way is to make a classified list of the publishing organizations instead of the actual documents, which is why this "inventory of sources" has been started.

ORGANIZATIONS LISTED

We first asked ourselves, who publishes information on energy and who does what? This led us to draw up a classified list of the organizations concerned: *international organizations*, the sources of statistics known to everyone, reports, studies, conferences; *national authorities* responsible for policies, planning, regulations, surveys, etc; *public and private concerns in the energy sector*; *concerns not in the energy sector* but directly interested, either because they are large consumers (consumer statistics, new techniques, etc) or because they are associated with the energy market (electrical engineering, refining, etc); *trade associations* and technical centres; *research centres*; *financial institutions* and increasing numbers of consultative bodies, particularly in the nuclear sector; finally "*disseminators of information*" bodies which publish or store information which does not emanate from them but which they only transmit.

A personal survey was conducted on this basis in the Community countries (and among international organizations covering the same countries) under the

INTRODUCTION

POURQUOI UN INVENTAIRE DES SOURCES?

Nombre de nos correspondants ont été surpris de cette démarche un peu insolite, plus habitués à voir recenser des documents que les sources d'où ils proviennent (par sources d'information, nous entendons les organismes *qui publient ou détiennent* des informations dans un domaine donné). En voici les raisons : s'il est relativement facile de détecter de façon systématique des documents à parution périodique – nous l'avons fait par ailleurs –, les documents « aléatoires », par contre, ne peuvent être connus qu'*a posteriori*, et plus ou moins facilement selon qu'ils sont diffusés par des circuits commercialisés ou appartiennent à cette catégorie honnie des documentalistes qu'est la « littérature souterraine » (la plus importante, quantitativement et qualitativement, dès qu'on aborde les problèmes économiques ou politiques de l'énergie, la littérature technique étant plus abordable par les voies classiques).

Comment vaincre cette difficulté, et détecter les documents utiles dès qu'ils sont émis? Eh bien, justement en recensant non pas les documents eux-mêmes, mais les organismes qui les émettent : d'où la mise en œuvre de cet « inventaire des sources ».

LES ORGANISMES RECENSES

La première opération a consisté à poser la question : qui publie de l'information énergétique et qui fait quoi? et nous a amenés à dresser une typologie des organismes concernés : *organisations internationales*, sources de statistiques connues de tous, de rapports, d'études, de congrès, *instances nationales* responsables de la politique, de la planification, de la réglementation, des recensements ..., *entreprises énergétiques* publiques et privées, *entreprises non énergétiques*, mais directement intéressées, soit parce qu'elles sont grosses consommatrices (statistiques de consommation, technologies nouvelles...), soit parce qu'elles sont liées au marché énergétique (construction électrique, raffinage, etc.), *syndicats professionnels* et centres techniques, *centres de recherche*, les *institutions financières* et organismes conseils de plus en plus nombreux, notamment dans le domaine nucléaire, enfin les « *vecteurs d'information* », organismes éditeurs ou détenteurs d'information dont ils ne sont pas les auteurs, mais les relais.

Sur cette base, une enquête personnelle a été menée dans les pays de

in diesen Ländern) unter der Verantwortung der Delegierten der Ad-hoc-Gruppe des AWITD eine persönliche Erhebung durchgeführt. Selbstverständlich ist das nur ein *erster Ansatz*. Wir erheben keinen Anspruch darauf, bei diesem ersten Verzeichnis Vollständigkeit oder die erwünschte Genauigkeit erreicht zu haben, trotz aller Vorkehrungen und Bemühungen in dieser Richtung. Unser Schritt muss sich im Laufe der Zeit noch bewähren, und wir wünschen vor allem, dass wir einen Evolutionsprozess in Gang gesetzt haben, dass die erfassten Stellen und die, die hätten erfasst werden sollen, uns helfen, wie wir hoffen, tatsächlich operationell zu werden.

WIE KONSULTIERT MAN DAS VERZEICHNIS?

In seiner heutigen Form halten wir das Verzeichnis für einen *LEITFADEN*. Er enthält zweierlei Angaben; diejenigen im Hauptteil, die wir möglichst genau zusammengestellt haben: Name der Institution, der zuständigen Abteilung, der zuständigen Person und Verbindungen (Anschrift, Telefon, Telex) mit einigen kurzen Angaben über die Arbeitsbereiche der Institution. Die übrigen Auskünfte, aus denen die Register erstellt wurden, sind reine *Hinweise* und sollen den Leser leiten. Es erschien uns unmöglich, so relativen Angaben wie der Berücksichtigung des erfassten Hauptsektors, des Haupttätigkeitsbereichs usw., einen absoluten Wert zu geben. Bei dieser Art der Neuerung gibt es kein Alles oder Nichts, das, wenn es einmal schriftlich niedergelegt ist, seine Relativität verliert. Daher betonen wir den reinen Hinweischarakter der Register gegenüber der angestrebten Genauigkeit der Angaben zur Kennzeichnung der Quelle. Sicherlich sind auch diese ungefestigt, da in Entwicklung begriffen: *eine jährliche Aktualisierung* (durch Ergänzungen) ist vorgesehen, ausserdem eine vollständige Neuausgabe alle zwei Jahre.

Noch einmal: Wir hoffen auf *die Hilfe aller* Korrespondenten und Leser, damit dieses Arbeitsinstrument lebendig und nützlich wird. Einige unserer Gesprächspartner waren frappiert von der Verwendung einer einzigen Sprache, des Englischen. Diese Wahl erklärt sich aus unseren Absichten: Wir wollten *schnell* handeln (welchen Wert hätte ein schon beim Erscheinen veraltetes Verzeichnis gehabt!) und *zweckdienlich* vorgehen, um ein unpolitisches Arbeitsinstrument zu schaffen. Man möge uns verzeihen, dass wir der Wirksamkeit den Vorrang vor den Prinzipien eingeräumt haben, die wir im übrigen respektieren und teilen. Man muss aber wissen, was man will!

Wir hoffen, dass wir durch diese Arbeit, deren erster Entwurf heute erscheint, zunächst der Europäischen Gemeinschaft helfen, einen vorrangigen Bereich besser kennenzulernen und sich das Instrumentarium zu schaffen,

auspices of delegates to the CIDST ad hoc working group. This was obviously only a trial run: we make no claim that this first inventory was as exhaustive or as accurate as we would have wished, despite the care and effort expended on it, but since actions speak louder than words we sincerely hope to have set a developing process in motion which the organizations listed (and those which should have been included) us to make truly "operational".

HOW SHOULD THIS INVENTORY BE USED?

In its current state, we regard the list as a *GUIDE*; it contains two types of data: that appearing in the body of the work where we have aimed at maximum accuracy, the name of the organization, the relevant department, the person responsible and the means of communication (address, telephone, telex) with some brief particulars regarding the purpose of the organization; the remaining data, from which the indexes were compiled, is merely *indicative* and serves as a guide for the reader. In fact, we found it impossible to attach an absolute value to data so relative as a description of the "main" sector covered, "main" field of activity, etc. This is not the kind of innovation which is either completely relevant or irrelevant, and once it is established by the text it loses its entire relativity. We therefore emphasize that the indexes are of an indicative nature in comparison with the scientific accuracy of data relating to source identification.

Of course, the latter type of data is also impermanent since it is subject to change, we therefore plan to *update it annually* (by supplements) and publish a complete new edition every two years.

Once again we depend on *everyone's help*, both correspondents and readers, in order to make this working tool an active and useful aid. Some of our correspondents were very surprised that we should only use English. This choice can be explained by our intentions; we wanted to proceed in a *rapid and effective* manner to provide a working aid without political objectives (what would have been the use of an index which was out of date as soon as it was published). We hope we will be excused for preferring efficiency to principles (which we observe and share in any case)... but we must know our own mind.

We hope that this study, of which the first rough draft is published today, will first of all provide the European Community with fuller information on a priority sector so that they have an instrument for policy-making in this

la Communauté (plus les organisations internationales couvrant ces mêmes pays) sous la responsabilité des délégués au groupe *ad hoc* du CIDST. Il est évident qu'il s'agit là d'une *première approche*: nous n'avons aucune prétention d'avoir atteint, à l'occasion de ce premier inventaire, ni l'exhaustivité, ni toute la précision souhaitable, quelles qu'aient été nos précautions et nos efforts en ce sens, mais il faut prouver le mouvement en marchant et nous souhaitons surtout avoir amorcé un processus évolutif que les organismes recensés et ceux qui auraient dû l'être nous aideront, nous l'espérons, à rendre réellement « opérationnel ».

COMMENT CONSULTER CE REPERTOIRE?

Tel qu'il est aujourd'hui, nous considérons ce répertoire comme un *GUIDE*; les renseignements qu'il contient sont de deux types: ceux qui figurent en pleine page et auxquels nous nous sommes efforcés d'apporter le maximum de précisions, nom de l'organisme, de la division concernée, du responsable, et les moyens d'approche (adresse, téléphone, télex), avec quelques indications brèves sur la vocation de l'organisme; les autres renseignements, ceux qui ont permis de fabriquer les index, sont purement *indicatifs* et servent à guider le lecteur. Il nous a en effet paru impossible de donner une valeur absolue à des données aussi relatives que la considération de secteur « principal » couvert, domaine d'activité « principale », etc. Il n'y a pas de tout ou rien dans ce genre de novation, qui, une fois figée par le texte, perd toute sa relativity. C'est pourquoi nous insistons sur le caractère indicatif des index, comparé à la précision recherchée des informations concernant l'identification de la source.

Bien sûr, ces dernières sont-elles aussi fragiles, parce qu'évolutives: une *mise à jour annuelle* (par additif) est prévue, et une réédition complète tous les deux ans.

Encore une fois nous comptons sur *l'aide de tous*: correspondants et lecteurs, pour nous aider à faire de cet outil de travail un outil vivant et utile. Certains de nos interlocuteurs ont été choqués de l'emploi d'une langue unique: l'anglais; nos intentions expliquent ce choix: nous avons voulu faire *vite* (quel aurait été l'intérêt d'un inventaire périmé dès sa parution!) et *utile* pour fabriquer un outil de travail sans projet politique... Qu'on veuille bien nous excuser d'avoir donné le pas à l'efficacité sur les principes, que nous respectons et partageons par ailleurs, mais il faut savoir ce que l'on veut!

Nous espérons par ce travail dont la première ébauche sort aujourd'hui, aider d'abord la Communauté Européenne à connaître mieux un secteur prioritaire et à se donner les moyens susceptibles d'aider toute politique en

das jede Politik in diesem Bereich unterstützen kann, sodann allen öffentlichen und privaten Stellen, für die die Informationssuche ein Teil ihrer täglichen Arbeit ist. Allen Mitgliedern der Ad-hoc-Gruppe des AWTID, die geholfen und uns ermutigt haben, sei herzlich gedankt, besonders dem Sekretär der Gruppe, Herrn MAURICE, ohne den das Verzeichnis niemals zustande gekommen wäre. Wir danken auch den Interviewern und Korrespondenten, die an der Ausarbeitung des Verzeichnisses mitgewirkt haben (und, wie wir hoffen, es weiterhin aktualisieren werden), sowie dem französischen Centre National de la Recherche Scientifique (vor allem Frau ALLAIRE vom CDSH, Programm SPLEEN-SOURCIER) für die fachliche und strategische Hilfe.

Im voraus sei all denen, die diese erste Ausgabe kritisieren werden, für ihre konstruktive Mitwirkung bei der Ausarbeitung der nächsten Ausgaben gedankt.

field, and to assist every private and public organization whose daily tasks include data assembly. We would like to extend our warmest thanks to all members of the CIDST ad hoc Working Group who have given us their help and encouragement, particularly the Secretary, Mr. MAURICE, without whom this inventory would never have been published. We would also like to thank the researchers and correspondents who helped to draw up this inventory (we hope they will continue to update it) and also the "Centre National de la Recherche Scientifique" (CNRS) in France, specially Mme ALLAIRE of the CDSH (SPLEEN-Sourcier programme) for assistance with technical problems and calculations.

We would also like to thank in advance those offering comments on this first issue for their constructive help in preparing future editions.

ce domaine, et tous les organismes publics et privés dont la « quête d'information » est une part du travail quotidien. Nous remercions très vivement tous les membres du groupe *ad hoc* du CIDST qui nous ont aidés et encouragés, et en particulier son secrétaire, M. MAURICE, sans lequel cet inventaire n'aurait jamais vu le jour! Nous remercions aussi les enquêteurs et les correspondants qui ont participé à l'élaboration du répertoire (et continueront, espérons-le, à l'actualiser), ainsi que le Centre National de la Recherche Scientifique français (et notamment Madame ALLAIRE du CDSH [programmes SPLEEN-SOURCIER]) pour son apport technique et logistique.

Nous remercions d'avance aussi tous ceux qui critiqueront cette première sortie, pour leur aide constructive à l'élaboration des prochaines éditions.

Grenoble, le 1^{er} septembre 1976
Françoise BLAMOUTIER
Institut Economique
et Juridique de l'Energie
(équipe CNRS)

ALPHABETIC LIST OF COMMUNITY SOURCES BY COUNTRIES AND INTERNATIONAL ORGANIZATION SOURCES

BELGIUM

Trade and professional organization

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 of 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 organization

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 (thermic 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 organization

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 (BEL-AGRER)

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

AIMS: Office of consulting engineer with an important activity in energy (building of hydraulic and thermic powerplans).
(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 utilization 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-heaters workers. Organization agreed by the Ministry of Public Health for aptitude 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. Siderurgy-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 organization

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 organization

0015

COMPTOIR BELGE DES CHARBONS (COBECHAR)

Rue de la Loi 99-101 Bte 8, B 1040 BRUXELLES, Belgium .

AIMS: Sale office of the belgian coal-minings. (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. (Orientation: economic.)

NAME: Madame Colette THYSEN, 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 organization

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 organization

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 organization

0021

FEDERATION PROFESSIONNELLE DES PRODUCTEURS ET DISTRIBUTEURS D'ELECTRICITE DE BELGIQUE
Rue Belliard, 31, B 1040 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.

Non-energy enterprise with strong interest in energy

0022

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 organization

0023

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.Groupacrier-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

0024

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

0025

INSTITUT NATIONAL DES INDUSTRIES EXTRACTIVES

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

AIMS: Research in production and value 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 Inieux "Mines et Carrières", available.
- Bulletin technique Inieux "Sécurité et Salubrité", available.

Documentation:

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

Trade and professional organization

0026

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

0027

KREDIETBANK

Arenbergstraat, 7, B 1000 BRUXELLES, Belgium .

AIMS: Banking activities. (Orientation: economic.)

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

Primary Information:

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

Documentation:

- Bibliographies, not restricted.

Research centre

0028

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 the tests, the studies and the scientific and technical research in the field of production, transport, distribution and utilization of electric energy for his members or for thirds. (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

0029

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

0030

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

0031

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

0032

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: Advices 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

0033

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

0034

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

0035

SIDMAR

Documentatiebureau

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

AIMS: Siderurgical 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

0036

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 of 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 organization

0037

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 electric 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-Elektricitet, 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-Elektricitet 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.

DENMARK

University and educational establishment

0038

AARTHUS UNIVERSITET

Institut for Statskundskab

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

0039

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 LAVESEN, Secretary-general; tel.(02) 88.13.11.

Primary Information:

- Reports.

Documentation:

- Query answering, restricted.

Research centre

0040

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

0041

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.

National administration and decision making body

0042

DANMARKS STATISTIK

Sejroegade, 11, 2100 Kh KOBENHAVN, 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

0043

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: Fru VIBEKE AMMUNDSSEN, 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

0044

DANMARKS TEKNISKE HOEJSKOLE (DTH)

Afdelingen for Fluid Mekanik

Bygning 404, 2800 LYNGBY, Denmark .

AIMS: Teaching and research in Fluid Mechanics, Fluid Physics and Thermodynamics in the rank 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

0045

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. NOERGARD, Assistant professor; tel.(02) 88.16.11.

Primary Information:

- Reports.

Documentation:

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

University and educational establishment
DANMARKS TEKNISKE HOEJSKOLE (DTH)

0046

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
DANMARKS TEKNISKE HOEJSKOLE (DTH)

0047

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. WORSOEE-SCHMIDT, Professor; tel.(02) 88.46.22.

Primary Information:

- Reports.

Documentation:

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

University and educational establishment
DANMARKS TEKNISKE HOEJSKOLE (DTH)

0048

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
DANMARKS TEKNISKE HOEJSKOLE (DTH)

0049

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 organization

0050

DANSK INGENIOERFORENING (DIF)
Vester Farimagsgade, 31, 1606 Kh V KOEBENHAVN, 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.

Information purveyor

0051

DANSK TEKNISK OPLYSNINGSTJENESTE (DTO)

OErnevej, 30, 2400 Kh NV KOEBENHAVN, Denmark .

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

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

Documentation:

- Query answering, not restricted.

National administration and decision making body

0052

HANDELSMINISTERIET

Slotsholmsgade, 12, 1216 Kh K KOEBENHAVN, 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 organization

0053

INDUSTRIRAADET

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

University and educational establishment

0054

DEN KGL. VETERINAAR-OG LANDBOHOEJSKOLE

Jordbrugsteknisk Institut

Rolighedsvej, 23, 1958 Kh V KOEBENHAVN, 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.

Research centre

0055

LYSTEKNISK LABORATORIUM

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

0056

OPTISK LABORATORIUM

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.

National administration and decision making body

0057

UDENRIGSMINISTERIET

Stormgade, 10, 1470 Kh K KOEBENHAVN, 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

0058

ALSTHOM

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

BP. 75-Centre de Tri, 38041 GRENOBLE, 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

0059

ALSTHOM

Division NEYRPIC/Technique des fluides/Documentation

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

AIMS: Joined 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

0060

ASSEMBLEE NATIONALE

Division des Informations Parlementaires

Rue de l'Université, 126, 75355 PARIS, France .

AIMS: Publication by the means of the "Journal Officiel" of the French National Assembly hearings. (Orientation: legal.)

NAME: Monsieur COUDERC, Chef de service; tel.(01) 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

Information purveyor

0061

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.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

0062

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.(01) 647 41 23.

Primary Information:

- Periodicals.
- Cahiers AFEDES, available.

Trade and professional organization

0063

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.(01) 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 organization

0064

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.(01) 504 60 41.

Primary Information:

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

Financial institution

0065

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.(01)508 23 45 poste 29-22.

Documentation:

- Consultant services, restricted.

Non-energy enterprise with strong interest in energy

0066

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.(01) 359 48 41 (01) 359 50 39.

Primary Information:

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

Non-energy enterprise with strong interest in energy

0067

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.(01) 522 43 00.

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

0068

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.(01) 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 organization

0069

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

0070

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.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

0071

CENTRE DE DOCUMENTATION DE L'ARMEMENT (CEDOCAR)

Boulevard Victor, 2bis, 75996 PARIS, France .

AIMS: Information and documentation for engineers and managers working directly or indirectly for the French Ministry of Defense. (Orientation: scientific, technological.)

NAME: Monsieur RENAUD, Directeur; tel.(01) 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

0072

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

Rue Caumartin, 1, 75009 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: Madame MARESCHAL; tel.(01) 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

0073

CENTRE NATIONAL D'ETUDES SPATIALES (CNES)

DAFE-ID-DOC

Avenue Edouard Belin, 18, 31055 TOULOUSE, 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

0074

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.(01) 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

0075

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.(01) 544 38 49.

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

0076

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

0077

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

Institut Economique et Juridique de l'Energie (IEJE)

BP. 47, Centre de Tri, 38040 GRENOBLE, 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

0078

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

0079

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.(02) 626 07 50 (ext.2340).

Primary Information:

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

Research centre

0080

CENTRE TECHNIQUE DES INDUSTRIES AERAIQUES ET THERMIQUES (CETIAT)

Rue Copernic, 38, 91402 ORSAY, France .

AIMS: Heating and ventilating (application of standards, measures, control). (Orientation: scientific, technological, legal.)
NAME: Mademoiselle M.L. PROD'HOMME, Documentaliste; tel.(01) 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 organization

0081

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.(01) 720 52 00.

Documentation:

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

Trade and professional organization

0082

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.(01) 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

0083

CHARBONNAGES DE FRANCE

Service de l'Information et des Relations publiques

Avenue Percier,9, BP.39608, 75360 PARIS, France .

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

NAME: Monsieur Jean-Pierre ROUSSELOT; tel.(01) 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 organization

0084

COMITE D'IMPORTATION CHARBONNIERE

Rue de Monceau, 66, 75008 PARIS, France .

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

NAME: Monsieur ROSE, Délégué général; tel.(01) 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 organization

0085

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.(01) 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 organization

0086

COMITE PROFESSIONNEL DU PETROLE (CPDP)

Service Documentation

Boulevard de Courcelles, 51, 75008 PARIS, France .

(Orientation: technological, economic.)

NAME: Mme Brigitte LEVRIER; tel.(01) 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.

Public and private energy enterprise

0087

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.(01) 941 80 00.

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

0088

COMMISSARIAT GENERAL DU PLAN

Service de la Documentation
Rue de Martignac, 18, 75007 PARIS, France .

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

NAME: Mademoiselle BIET; tel.(01) 551 75 70.

Primary Information:

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

Non-energy enterprise with strong interest in energy

0089

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 utilization of electrical energy. (Orientation: scientific, technological.)
NAME: Monsieur A. MALANDAIN, Directeur; tel.(01) 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

0090

COMPAGNIE GENERALE D'ELECTRICITE (CGE)

Service central de documentation
Rue de la Boétie, 54-56, 75382 PARIS, France .

AIMS: Industrial group manufacturing electromechanical, electrical and electronic equipments. (Orientation: technological, economic.)

NAME: Madame LERAY, Documentaliste; tel.(01) 266 54 60; tex.LABMARCO 26877.

Primary Information:

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

Public and private energy enterprise

0091

COMPAGNIE NATIONALE DU RHONE

Rue André Bouin, 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

0092

CONSEIL ECONOMIQUE ET SOCIAL (CES)

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

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

NAME: Madame RICQUEBOURE, Bibliothécaire; tel.(01) 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 organization

0093

CONSEIL NATIONAL DU PATRONAT FRANCAIS (CNPF)

Direction des Affaires économiques générales/Section Energie

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

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

NAME: Monsieur Thierry de MARGERIE; tel.(01) 553 67 30.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.

Information purveyor

0094

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, 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.(01) 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

0095

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.(01) 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.

Public and private energy enterprise

0096

ELF AQUITAINE

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

AIMS: Petrol World Statistics on the exploration and production. (Orientation: scientific, technological, economic.)
NAME: Monsieur A. LETULLIER, Directeur.

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), available.

Documentation:

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

Financial institution

0097

ENERCO

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

AIMS: Assistance for financing of energy saving investments in French industries. (Orientation: economic.)
NAME: Monsieur André WEÏL, Attaché de direction; tel.(01) 261 21 86.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0098

ESSO S.A.F.

Service Presse Documentation

Avenue André Prothin, 92080 CEDEX 2 COURBEVOIE, France .

AIMS: Oil refining and sale of petroleum and petroleum products. (Orientation: technological.)
NAME: Monsieur Pierre-Emile FOURNIER, Chef du Service Presse; tel.(01) 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 organization

0099

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.(01) 265 60 02.

Primary Information:

- Statistical information, not available.

Trade and professional organization

0100

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.(01) 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

0101

FIVES CAIL BABCOCK

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

AIMS: Manufacturers of material for sugar refinery, cementeries, boilers, etc. (Orientation: scientific, technological.)
NAME: Monsieur ANSELME; tel.(01) 359 55 28.

Documentation:

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

Public and private energy enterprise

0102

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.(01) 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

0103

GAZOCEAN

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

AIMS: Transport and trade of LNG and LPG. (Orientation: economic.)
NAME: Monsieur Y. de LAGAUSIE, Chef de service; tel.(01) 359 63 21; tex.28263.

Primary Information:

- Reports.
- Reports, available.

Financial institution

0104

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.(01) 261 21 86.

Primary Information:

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

Trade and professional organization

0105

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, 75008 Paris. (Orientation: scientific, technological, legal.)

NAME: Monsieur LE POULTEL; tel.(01) 225 58 50.

Primary Information:

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

Documentation:

- Query answering, restricted.

Trade and professional organization

0106

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

Service Promotion et Affaires Economiques

Rue Hamelin, 11, 75783 PARIS, France .

AIMS: To promote the development of the French electrical equipment industries. (Orientation: economic, legal.)

NAME: Monsieur J.C. KARTELES, Directeur; tel.(01) 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

0107

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.(01) 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

0108

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

Rue Henri Heine, 3, 75016 PARIS, France .

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

NAME: Madame Antoinette DAVID, Directeur du Centre de Documentation; tel.(01) 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

0109

INSTITUT FRANCAIS DU PETROLE (IFP)

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.(01) 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

0110

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.(01) 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

0111

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.(01)967 11 10; tex.69666 IFP Rueil; cab.INSPEPETROLE 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** **0112**
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, 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.(01) 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** **0113**
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 transportation means. (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** **0114**
JEUMONT-SCHNEIDER
DCT/DOC
Quai National, 31-32, 92806 PUTEAUX, France .
AIMS: Electromechanical Engineering.
NAME: Mademoiselle MAERTEN; tel.0 (01)776 41 62; tex.27794; cab.SWELECTRI-PUTEAUX.
- Documentation:**
- Query answering, restricted.
 - Retrospective research, restricted.
 - Bibliographies, restricted.
-
- National administration and decision making body** **0115**
MINISTERE DE L'ECONOMIE ET DES FINANCES
Direction de la Prévision (DP)/Division de l'Equipement, 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.(01) 260 33 00.
- Primary Information:**
- Reports, Statistical information.
 - Statistiques et Etudes financières (série orange), available.
-
- Information purveyor** **0116**
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.(01) 887 40 73.
- Documentation:**
- Query answering, not restricted.

- National administration and decision making body** **0117**
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, 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.(01) 578 61 94.
Primary Information:
● Reports, available.
- National administration and decision making body** **0118**
MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)
Délégation Générale à l'Energie (DGE)/Délégation aux Energies nouvelles
rue St Dominique, 35, 75700 PARIS, France .
AIMS: Government department concerned with economic aspects, research and development of solar, geothermal, wind and tidal energies. (Orientation: technological, economic, legal.)
NAME: Monsieur J.C. COLLI; tel.(01) 555 74 30.
Primary Information:
● Rapports, available.
- National administration and decision making body** **0119**
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.(01) 55 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** **0120**
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.(01) 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** **0121**
MINISTERE DE L'INDUSTRIE ET DE LA RECHERCHE (MIR)
Délégation Générale à la Recherche Scientifique (DGRST)
Rue St Dominique, 35, 75700 PARIS, France .
AIMS: Government department concerned with research policy. (Orientation: scientific, technological.)
NAME: Monsieur H. CURIEN, Délégué Général; tel.(01) 551 74 30.
Primary Information:
● Periodicals, Reports.
● Le Progrès Scientifique, freq. 8, available.

National administration and decision making body 0122

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

Direction de la Technologie, de l'Environnement industriel et des Mines (DITEIM)/Bureau de Documentation Minière
Rue de Grenelle, 99, 75700 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 Lascases, 4, 75007 PARIS, France; tel.(01) 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 0123

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

Service de Relations Publiques et d'Information (SERPI)
Rue de Grenelle, 101, 75700 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, Responsable de la Documentation et de la Bibliothèque Centrales; tel.(01) 555 93 00; 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 0124

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.(01) 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 0125

NEYRPIC

Division de la société ALSTHOM/Service Information
Rue Général Mangin, 38100 GRENOBLE, France .

AIMS: Design and construction of hydraulic turbomachines. Manufacturing of nuclear plants equipments. (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 0126

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.(01) 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

0127

LA RADIOTECHNIQUE-COMPELEC (RTC)

Division Recherches et Promotions commerciales

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.(01) 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

0128

SAINT GOBAIN INDUSTRIES

Services techniques communs

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

AIMS: Manufacture of glasses. (Orientation: technological.)

NAME: Madame C. MANSOULIE, Chef du Service Documentation; tel.(01) 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

0129

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 HENAU, Département Etudes et Recherches; tel.(01) 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.

Non-energy enterprise with strong interest in energy

0130

SERETE

Service Energie

Rue Regnault, 72, 75640 PARIS, 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.(01) 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

0131

SHELL FRANCAISE

Service Information Pétrolière

Rue de Berry, 29, 75008 PARIS, France .

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

NAME: Monsieur Francis DARDOT; tel.(01) 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

0132

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. (Orientation: technological, economic.)

NAME: Madame DA SILVA; tel.(01) 954 37 00; tex.600 833F.

Primary Information:

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

Non-energy enterprise with strong interest in energy

0133

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.(01) 776 43 24; tex.630133 F.

Primary Information:

- Reports, not available.

Public and private energy enterprise

0134

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.(01) 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

0135

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

Service des Relations publiques (SRP)

BP. 172-Centre de Tri, 38042 GRENOBLE, 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** 0136
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.(01) 874 79 60.
Primary Information:
● Reports, not available.
- Public and private energy enterprise** 0137
SOCIETE NATIONALE DES GAZ DU SUD OUEST (SNGSO)
Service commercial
Avenue Dufau, 49, 64000 PAU, France .
AIMS: Transportation and trade of the natural gas. Technology of piping. (Orientation: economic.)
NAME: Monsieur Maurice REMOND; tel.027662.
Primary Information:
● Statistical information.
● Statistiques officielles, available.
- Public and private energy enterprise** 0138
SOCIETE NATIONALE DES PETROLES D'AQUITAINE (SNPA)
Service des Relations Extérieures/Service Documentation
Tour Aquitaine, Cedex 4, 92080 PARIS LA DEFENSE, France .
AIMS: Petrochemical Industry. (Orientation: technological, economic.)
NAME: Monsieur A.A. JEAN, Adj. Chef du Service Documentation; tel.(01) 256 61 61; tex.PETRAK 62 952.
Primary Information:
● Bulletins, Statistical information.
Documentation:
● Query answering, not restricted.
● Retrospective research, not restricted.
● SDI, not restricted.
● Library services, not restricted.
- Non-energy enterprise with strong interest in energy** 0139
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 É. GAMBART DELIGNIERES, Chef du Département Relations extérieures; tel.(01) 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** 0140
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.(01) 359 62 71; tex.62-233.
Primary Information:
● Reports.
Documentation:
● Query answering, restricted.
● Library services, restricted.
● Consultant services, restricted.

Trade and professional organization

0141

SYNDICAT DES CHAUX ET CIMENTS

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.(01) 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 organization

0142

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.(01) 227 63 94.

Primary Information:

- Statistical information, not available.

Non-energy enterprise with strong interest in energy

0143

TECHNIGAZ

Division Marketing

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

AIMS: Documentation and consultant services for engineers and contractors of public works. Research and development in the field of natural gas, hydrogen, recovery processes and uses of solar energy. (Orientation: scientific, technological.)

NAME: Monsieur Jean-Marie LEBRETON, Monsieur Georges THYRION; tel.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

0144

TECHNIP

Division énergie

Avenue Napoléon Bonaparte, 232, 92500 RUEIL-MALMAISON, France .

AIMS: Engineering and consultant services. (Orientation: technological.)

NAME: Monsieur J.M. BOURGUET; tel.(01) 977 92 25; tex.60621F.

Primary Information:

- Reports.

Non-energy enterprise with strong interest in energy

0145

TECHNIP. COMPAGNIE FRANCAISE D'ETUDES ET DE CONSTRUCTION

Division énergie

Avenue Napoléon Bonaparte, 232, 92500 RUEIL-MALMAISON, France .

AIMS: Studies, designs and constructions. The gas, petroleum and petrochemical industries. (Orientation: technological.)

NAME: Monsieur J.M. BOURGUET, Directeur; tel.(01) 977 92 25; tex.60 621F.

Primary Information:

- Reports.
- Etudes diverses, available.

- Trade and professional organization** 0146
UNION DES CHAMBRES SYNDICALES DE L'INDUSTRIE DU PETROLE (UCSIP)
Service Documentation
Avenue Kléber, 16, 75116 PARIS, France .
Orientation: legal.)
NAME: Melle PLANTEFOL; tel.(01) 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** 0147
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: **Economical 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** 0148
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** 0149
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.(01) 267 80 80.
Primary Information:
 - Reports.
 - Rapports internes, available.
 - Bulletin d'information cadres, available.
- GERMANY (FEDERAL REPUBLIC OF)**
- Trade and professional organization** 0150
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-economical 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 organization

0151

ARBEITSGEMEINSCHAFT FERNWAERME (AGFW) E.V. BEI DER VEREINIGUNG DEUTSCHER ELEKTRIZITÄTSWERKE

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.
- Fernwärme International, freq. 6, available.

Trade and professional organization

0152

BUNDESVERBAND DER DEUTSCHEN GAS-UND WASSERWIRTSCHAFT E.V. (BGW)

Theodor-Heuss-Allee, 90-98, Postfach 900946, D-6000 FRANKFURT/Main, 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 utilization, 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.

Information purveyor

0153

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

0154

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.0621/895051; 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

0155

GESELLSCHAFT FUER PRAKTISCHE ENERGIEKUNDE E.V.

Forschungsstelle fuer Energiewirtschaft

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

AIMS: Rational supply and utilization 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.

Trade and professional organization

0156

GROSSABNEHMERVERBAND ELEKTRISCHER ENERGIE BADEN-WURTTENBERG E.V.

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

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

Primary Information:

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

Documentation:

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

Information purveyor

0157

IG BERGBAU UND ENERGIE

Hauptverwaltung/Pressearchive 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 Politics, Politics, Work Law. (Orientation: economic, legal.)

NAME: Herr Aloys SIEVERS; tel.(0234) 3191; tex.08-25809.

Documentation:

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

Research centre

0158

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 utilization 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

0159

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.

Research centre

0160

INSTITUTSGEMEINSCHAFT FUER DIE TECHNISCHE NUTZUNG SOLARER ENERGIE

Breitscheidtstrasse, 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) 2073377-378; tex.0721703.

Primary Information:

- Reports, available.

Information purveyor

0161

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) 2801357; tex.08 57 817; cab.Krupp-Koppers.

Documentation:

- Library services, not restricted.

National administration and decision making body

0162

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 politics 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) 83021; tex.08582728.

Primary Information:

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

Documentation:

- Library services, not restricted.

Trade and professional organization

0163

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 organization

0164

STATISTIK DER KOHLENWIRTSCHAFT E.V

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

AIMS: Survey, compilation and interpretation of all statistics in coal mining economy requested by the authorities. (Orientation: economic.)

NAME: Reg. Rat a.D., Dipl. Volksw. Hellmut DANIELZIG, Geschäftsführer (Managing director); tel.(0201)105208; 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.

Documentation:

- SDI, not restricted.

Information purveyor

0165

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 utilization 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) 105-9459.

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.

Information purveyor

0166

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

0167

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

0168

UNIVERSITAET KOELN

Institut fuer Energierecht

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

AIMS: Institute serving independant research and instruction 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 Bergrecht an der Universitaet Koeln, freq. irreg. serial, available.

Documentation:

- Library services, not restricted.

University and educational establishment

0169

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

0170

UNIVERSITAETSBIBLIOTHEK DER TECHNISCHEN UNIVERSITAET BERLIN

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

Gitschiner Strasse, 97-103, D-1000 BERLIN 61, 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 technique, 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.

Trade and professional organization

0171

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

Koppenrodtstrasse, 13, Postfach 6103, D-3000 HANNOVER, Germany (Federal Republic of) .

AIMS: Safeguarding the energy economical interests, energy economical consultancy, information and representation of commercial enterprises; proposals for rational utilization 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) 62 30 85; 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

0172

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 Technique". (Orientation: scientific, technological.)

NAME: Ingenieur Manfred KNOECHNER, Head of the documentation; tel.(0211) 6214 (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 organization

0173

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. Origination 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 organization

0174

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 economical 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.

Information purveyor

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

0175

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, Geschaeftsfuehrer (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.

Trade and professional organization

0176

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

0177

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.76 42 11.

Primary Information:

- Reports, Conference proceedings, Bulletins, Statistical information.

Documentation:

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

Research centre

0178

AFT-AN FORAS TALUNTAIS

Sandymount avenue, DUBLIN, Ireland .

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

NAME: Mr. VAL REILLY, Information Officer; tel.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

0179

ALLIED IRISH BANKS LTD

Lansdowne House, Ballsbridge, 4 DUBLIN, 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

0180

BANK OF IRELAND

Lower Baggot St, 2 DUBLIN, 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

0181

AN BORD GAIS

BGE/Irish Gas Board

Lower Baggot St., 30, 2 DUBLIN, Ireland .

AIMS: Interim National Gas Authority. (Orientation: technological, economic.)

NAME: Mr. R.A. KEALY, Secretary; tel.Dublin 684169.

Primary Information:

- Reports.

Documentation:

- Query answering, not restricted.

Public and private energy enterprise

0182

BORD NA MONA

(BNM)/Irish Peat Board

Uppr. Pembroke St., 28, 2 DUBLIN, 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

0183

CEIMICI TEORANTA

Fitzwilton House, Wilton Terrace, 2 DUBLIN, 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

0184

CENTRAL BANK OF IRELAND

Foster Place, 2 DUBLIN, 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

0185

CENTRAL STATISTICS OFFICE (CSO)

St. Stephens Green House, 2 DUBLIN, 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

0186

CORAS IOMPAIR EIREANN (C.I.E.)

Heuston Station, 4 DUBLIN, 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

0187

DEPARTMENT OF FINANCE

Finance Division

Government Buildings, Upper Merrion St, 2 DUBLIN, 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

0188

DEPARTMENT OF FOREIGN AFFAIRS

Information Section

St. Stephen's Green, 80, 2 DUBLIN, 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

0189

DEPARTMENT OF INDUSTRY AND COMMERCE

Kildare St, 2 DUBLIN, 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

0190

DEPARTMENT OF INDUSTRY AND COMMERCE

Geological Survey

Hume Street, 14, 2 DUBLIN, 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

0191

DEPARTMENT OF INDUSTRY AND COMMERCE

Patents Office

Merrion Sq., 45, 2 DUBLIN, 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

0192

DEPARTMENT OF TRANSPORT AND POWER

Energy Division

Kildare Street, 2 DUBLIN, 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 **0193**
DEPARTMENT OF TRANSPORT AND POWER
The National Committee for Geodesy and Geophysics
Kildare Street, 2 DUBLIN, 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 **0194**
THE ECONOMIC AND SOCIAL RESEARCH INSTITUTE (ESRI)
Burlington Road, 4, DUBLIN, Ireland .

AIMS: Research on social and economic topics. (Orientation: economic.)

NAME: Mr. F. CULLAN, Librarian; tel.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 **0195**
ELECTRICITY SUPPLY BOARD
(ESB)

Lower Fitzwilliam Street, 27, 2 DUBLIN, 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 **0196**
INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)
Building Industry Division
Ballymun Road, 9 DUBLIN, 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 **0197**
INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)
Standards Information Service
Ballymun Road, 9 DUBLIN, 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

0198

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS (IIRS)

Technical Information Division

Ballymun Road, 9 DUBLIN, 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

0199

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

0200

NUCLEAR ENERGY BOARD (NEB)

Upper Fitzwilliam St., 27, 2 DUBLIN, 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

0201

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.69.32.44.

Primary Information:

- Reports, Theses and dissertations.

Documentation:

- Query answering, not restricted.

University and educational establishment 0202
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 0203
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 0204
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.77.29.41.

Primary Information:

- Theses and dissertations.

Documentation:

- Query answering, not restricted.

ITALY

Public and private energy enterprise 0205
AGIP

Attività Minerarie Esplorazione e Produzione (AGIP/AMI) Idrocarburi (AGIP/AMI)
V. le De Gasperi, 20097 SAN DONATO MILANESE (MILANO), Italy .

AIMS: Mining Research. (Orientation: technological, economic, legal.)
NAME: Prof. Dr. Enrico ANNOSCIA, Responsabile Centro di Documentazione ed Informazione/CEDI; tel.(02) 53.53.60.74;
tex.31246 ENI MILANO; cab.MINERAGIP/CEDI/MILANO.

Primary Information:

- Bulletins, Statistical information, Others.
- Quaderni Cedi, available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, restricted.
- Library services, restricted.
- Abstracting journals, restricted.
 - Segnalazioni Notizie Stampa, freq. 24
 - Segnalazioni Congressi, freq. 4
- Bibliographies, restricted.
- Translation services, restricted.

Public and private energy enterprise

0206

AGIP NUCLEARE

C. so di Porta Romana, 68, 20122 MILANO, Italy .

AIMS: Operations in Nuclear Fuel Cycle. (Orientation: economic.)

NAME: Dr. Edo PETRONE e Dr. GianPaolo 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.
- Abstracting journals, restricted.
 - Rassegna Stampa Quotidiana, freq. 365
- Translation services, restricted.
- Consultant services, restricted.

Trade and professional organization

0207

ASSOCIAZIONE ELETTROTECHNICA ED ELETTRONICA ITALIANA (AEI)

Ufficio Centrale

V. le Monza, 259, 20126 MILANO, Italy .

AIMS: Studies and Researches. (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 organization

0208

ASSOCIAZIONE NAZIONALE PER IL CONTROLLO DELLA COMBUSTIONE (ANCC)

Via Urbana, 167, 00184 ROMA, Italy .

AIMS: Prevention of Accidents and Fuels 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 organization

0209

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 organization** 0210
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** 0211
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.
-
- Research centre** 0212
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.
-
- Research centre** 0213
CENTRO INFORMAZIONI STUDI ESPERIENZE (CISE)
Via Redecesio, 12, 20090 SEGRATE (MILANO), Italy .
AIMS: Scientific and Technical Researches. (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.
-
- Information purveyor** 0214
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.
● Bollettino di informazioni, available.
- Documentation:**
● Query answering, restricted.
● Retrospective research, restricted.
● SDI, restricted.
● Library services, restricted.
● Bibliographies, restricted.
● Consultant services, restricted.

Research centre

0215

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.

Documentation:

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

National administration and decision making body

0216

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

0217

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

0218

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

0219

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

0220

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

0221

ESSO ITALIANA

P. le Industria, 46, 00144 ROMA, Italy .

AIMS: Refinery 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

0222

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

0223

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) 27.36.61/237823; tex.FIATMARE 21050; cab.FIATMARE TORINO.

Documentation:

- Query answering, not restricted.
- Bibliographies, not restricted.

Trade and professional organization

0224

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.

Information purveyor

0225

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 int; 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

0226

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. (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

0227

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

0228

ISTITUTO PER LA RICOSTRUZIONE INDUSTRIALE (IRI)

Via V. Veneto, 89, 00187 ROMA, Italy .

AIMS: Public enterprise/Holding. (Orientation: technological, economic.)

NAME: Ing. Guido FRIGESSI DI RATTALMA, Capo Settore Organizzazione e Ricerca; tel.(06) 46.77; tex.61468 ISTIRI; cab.ISTITI.

Primary Information:

- Conference proceedings, available.

Documentation:

- Bibliographies, restricted.

Public and private energy enterprise

0229

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

0230

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. Ivano 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

0231

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

0232

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

0233

STAZIONE SPERIMENTALE PER I COMBUSTIBILI

V. le A. De Gasperi, 3, 20097 S. DONATO MILANESE, Italy .

AIMS: Applied Scientific Research, Technical Assistance, Documentation, Qualified 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

0234

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 of Nuclear Power Plants. (Orientation: technological, economic.)

NAME: Dr. Luigi CAMBIOLI, Marketing/Capo Ufficio Studi di Mercato; tel.(0744) 57.74.1/395 INT; tex.66008 TERNITER; cab.ELETTROTERNI/TERNI.

Documentation:

- Query answering, restricted.

Trade and professional organization

0235

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 organization

0236

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 organization

0237

UNIONE NAZIONALE AZIENDE PRODUTTRICI AUTOCONSUMATRICI DI ENERGIA ELETTRICA (UNAPACE)

Via Paraguay, 2, 00198 ROMA, Italy .

AIMS: Association of Enterprises self-producing and consuming Electric 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 organization

0238

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 organization

0239

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

0240

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

0241

ARZO RESEARCH AND ENGINEERING

Velperweg, 76, P.O. Box 60 ARNHEM, Netherlands .

AIMS: Chemicals, fibers, 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

0242

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

0243

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 bouwcnl; cab.Bouwcnl 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

0244

DELFT HYDRAULICS LABORATORY

Rotterdamseweg, 185, P.O. Box 177 DELFT, Netherlands .

AIMS: Research in the field of hydraulics. (Orientation: scientific, technological, economic.)

NAME: Ir. A. PAAPE, Manager; tel.015-569315; tex.32770 Hydrel NL; cab.Hydrolab Delft.

Primary Information:

- Periodicals, Reports.
- Hydro Delft, freq. 6, available.
- Reports, available.

Documentation:

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

University and educational establishment

0245

DELFT UNIVERSITY OF TECHNOLOGY (THD) APPLIED PHYSICS DEPT

Lorentzweg, 1, DELFT, Netherlands .

AIMS: Academical 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

0246

DELFT UNIVERSITY OF TECHNOLOGY (THD) CHEMICAL ENGINEERING DEPT

Julianalaan, 136, DELFT, Netherlands .

AIMS: Academical 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

0247

DELFT UNIVERSITY OF TECHNOLOGY (THD) CIVIL ENGINEERING DEPT. (COASTAL ENGINEERING GROUP)

Stevinweg, 1, DELFT, Netherlands .

AIMS: Academical 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

0248

DELFT UNIVERSITY OF TECHNOLOGY (THD) DEPT. OF AERONAUTICAL ENGINEERING AND DEPT. OF ELECTRICAL ENGINEERING

Kluyverweg, 1, DELFT, Netherlands .

AIMS: Academical 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

0249

DELFT UNIVERSITY OF TECHNOLOGY (THD) ENVIRONMENTAL ENGINEERING DEPT
Julianalaan, 134, DELFT, Netherlands .

AIMS: Academical 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

0250

DELFT UNIVERSITY OF TECHNOLOGY (THD) INTERDISCIPLINARY ENERGY PROJECT GROUP
Mekelweg, 4, P.O. Box 2908 DELFT, Netherlands .

AIMS: Academical 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

0251

DELFT UNIVERSITY OF TECHNOLOGY (THD) MECHANICAL ENGINEERING DEPT
Mekelweg, 2 and Rotterdamseweg, 139a, DELFT, Netherlands .

AIMS: Academical 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

0252

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

0253

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

0254

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) APPLIED PHYSICS DEPT. LABORATORY FOR FLUID MECHANICS
Insulindelaan, 2rz, P.O. Box 513 EINDHOVEN, Netherlands .

AIMS: Academic education and research in the field of applied physics. (Orientation: scientific, technological, economic.)
NAME: Prof. dr. F. van der MAESEN/Prof. ir. O. Dr. ir. C. DAËY OUWENS 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

0255

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

0256

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) DEPT. OF ARCHITECTURE, BUILDING AND PLANNING; DEPT. OF CIVIL ENGINEERING
Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

AIMS: Academical 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

0257

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: Academical 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

0258

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) INDUSTRIAL ENGINEERING DEPT

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

AIMS: Academical 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

0259

EINDHOVEN UNIVERSITY OF TECHNOLOGY (THE) MECHANICAL ENGINEERING DEPT

Insulindelaan, 2, P.O. Box 513 EINDHOVEN, Netherlands .

AIMS: Academical 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

0260

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

0261

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

0262

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

0263

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

0264

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

0265

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

0266

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

0267

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

0268

GRONINGEN STATE UNIVERSITY, INSTITUTE FOR PEACE RESEARCH

Ubbo Emmiusingel, 19, GRONINGEN, Netherlands .

AIMS: Academical 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

0269

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

0270

INTERNATIONAL FLAME RESEARCH FOUNDATION (IFRF)

c/o Hoogovens, Kesslerplein, 1, IJMUIDEN, Netherlands .

Orientation: scientific, technological.)

NAME: Dipl. ing. S. MICHELFELDER, Manager; 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.

Research centre

0271

INTERNATIONAL INSTITUTE FOR MANAGERIAL SCIENCE

Poortweg, 6, Delft, Netherlands .

AIMS: Development of scientific managers. (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.

Research centre

0272

INTERUNIVERSITARY INSTITUTE FOR NUCLEAR TECHNOLOGY

Berlageweg, 15, DELFT, Netherlands .

AIMS: Research on nuclear fission and fusion. (Orientation: scientific, technological.)

NAME: Dr. ir. H. van DAM, 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

0273

KEURINGSINSTITUUT ELECTROTECHNISCHE MATERIALEN (KEMA) (NETHERLANDS ELECTRICITY GENERATING BOARD)

Utrechtseweg, 310, ARNHEM, Netherlands .

AIMS: Generating electricity, planning future demands, research in the field of generating and transporting of electricity, exploring new energy resources. (Orientation: scientific, technological, economic, legal.)

NAME: Mr. Th. van der PLAS, Co-ordinating manager; 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

0274

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

0275

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.

Public and private energy enterprise

0276

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 organization

0277

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 organization

0278

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, goodwinning, 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

0279

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

0280

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

0281

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

0282

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

0283

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

0284

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

0285

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

0286

PHILIPS PHILIPS RESEARCH LABORATORIES

Philips Research Laboratories, EINDHOVEN, Netherlands .

AIMS: Scientific research. (Orientation: scientific, technological, economic.)

NAME: Prof. dr. J. VOLGER, Managing director R & D; tel.040-79111; 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.

Research centre

0287

REACTOR CENTRUM NEDERLAND

Scheveningseweg, 112, THE HAGUE, Netherlands .

AIMS: Research and development in the field of nuclear fission energy. (Orientation: scientific, technological, economic.)

NAME: Drs. R. van der WART, Co-ordinating Manager; tel.070-514581; tex.32211; cab.REACTOR Holland.

Primary Information:

- Periodicals, Reports, Theses and dissertations.
- Atoomenergie en haar toepassingen, freq. 12, available.
- Reports, available.
- Theses and dissertations, 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, restricted.

Non-energy enterprise with strong interest in energy

0288

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

0289

ROTTERDAM STATE UNIVERSITY (ERASMUS UNIVERSITY) ECONOMIC GEOGRAPHY INSTITUTE

Burgemeester Oudlaan, 50, P.O. Box 1738 ROTTERDAM, Netherlands .

AIMS: Academical 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

0290

ROTTERDAM STATE UNIVERSITY (ERASMUS UNIVERSITY) THE NETHERLANDS ECONOMIC INSTITUTE (NEI)
Burgemeester Oudlaan, 50, ROTTERDAM, Netherlands .

AIMS: Academical 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

0291

ROTTERDAM STATE UNIVERSITY INSTITUTE FOR SOCIOLOGICAL RESEARCH
Burgemeester Oudlaan, 50, ROTTERDAM, Netherlands .

AIMS: Academical 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

0292

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.
- Bibliographies, restricted.
- Translation services, restricted.
- Consultant services, restricted.
- Information analysis and synthesis services, no access.

Research centre

0293

TESTING AND RESEARCH INSTITUTE OF THE NETHERLANDS WATER WORKS (KIWA)
Sir Winston Churchill-laan, 273, RIJSWIJK, Netherlands .

AIMS: Testing and research for water works. (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

0294

TILBURG UNIVERSITY, JOHN F. KENNEDY INSTITUTE
Hogeschoollaan, 225, TILBURG, Netherlands .

AIMS: International studies, academic education in the field of sociology and economy. (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

0295

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

0296

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

0297

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

0298

ULTRA CENTRIFUGE NEDERLAND (UCN)
Scheveningseweg, 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

0299

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

0300

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

0301

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.

University and educational establishment

0302

UTRECHT STATE UNIVERSITY VENING MEINESZ LABORATORY
Huizingalaan, 121, UTRECHT, Netherlands .

AIMS: Academical 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.

Non-energy enterprise with strong interest in energy

0303

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.

Information purveyor

0304

VERBOND VAN WETENSCHAPPELIJKE ONDERZOEKERS (VVO) ASSOCIATION OF SCIENTIFIC RESEARCHERS
Abel Tasmanlaan, 2, MAARSSEN, Netherlands .

AIMS: Study of social-technological problematique. (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.
- Retrospective research, not restricted.
- Library services, not restricted.

Non-energy enterprise with strong interest in energy

0305

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.

Research centre

0306

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.

Trade and professional organization

0307

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.

University and educational establishment

0308

VRIJE UNIVERSITEIT (VU) FREE UNIVERSITY BIOLOGICAL LABORATORY

De Boelelaan, 1087, AMSTERDAM-BUITENVELDERT, Netherlands .

AIMS: Academical 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.

GREAT BRITAIN

Information purveyor

0309

ASLIB (FORMERLY THE ASSOCIATION OF SPECIAL LIBRARIES AND INFORMATION BUREAUX)

3, Belgrave Square, SW1X 8PL LONDON, Great Britain .

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 5050; 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. 1
- Bibliographies, not restricted.
- Translation services, restricted.

University and educational establishment

0310

ASTON-IN-BIRMINGHAM UNIVERSITY

Department of Building

Gosta Green-Aston-in-Birmingham Univ, Dept Building, B4 7ET BIRMINGHAM, Great Britain .

AIMS: University research in the interpretation of the thermal performance of buildings. (Orientation: scientific, technological.)
NAME: Professor A.W. PRATT, Head of Department of Building; tel.(021) 359 3611; tex.336997 (library).

Primary Information:

- Theses and dissertations.

Documentation:

- Consultant services, restricted.

University and educational establishment

0311

BRISTOL UNIVERSITY

Department of Civil Engineering

University Walk, Queens Building, Dept of Civil Engineering, BS8 1TR BRISTOL, Avon, Great Britain .

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, Lecturer and Project Leader; tel.(0272) 24161; 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

0312

BRITISH CARBONIZATION RESEARCH ASSOCIATION (BCRA)

Wingerworth, S42 6JS CHESTERFIELD, Great Britain .

AIMS: Co-operative research for the coking and coal tar industries. (Orientation: technological.)

NAME: Dr. David G. EDWARDS, Information Officer; tel.(0246) 76821.

Primary Information:

- Periodicals, Reports.
- Annual Report, freq. 1, available.
- Carbonization Research Reports, available.
- Investigation Reports, not available.
- Coke and Chemistry USSR, freq. 12, available.
- Commercial Intelligence Review, freq. 4, not available.
- Special Publications, not 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

0313

BRITISH GAS CORPORATION

Engineering Research Station

Killingworth, P.O. Box 1LH, NE99 1LH NEWCASTLE UPON TYNE, Great Britain .

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) 684828; tex.53470.

Documentation:

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

Public and private energy enterprise

0314

BRITISH GAS CORPORATION

Headquarters

59, Bryanston Street, W1A 2AZ LONDON, Great Britain .

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 7030; 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.
- Industrial Gas Controls Handbook, not available.
- Research Communications, not available.

Documentation:

- Library services, restricted.

Public and private energy enterprise

0315

BRITISH GAS CORPORATION

Midlands Research Station

Wharf Lane, B91 2JW SOLIHULL, Great Britain .

AIMS: Research into the production of gas and its industrial and commercial utilization. (Orientation: scientific, technological.)

NAME: Mr. David REAY, Head of Information; tel.(021) 705 7581; tex.339128.

Primary Information:

- Reports.
- Internal Reports, freq. 300, not available.
- External Reports and published papers, freq. 10, available.

Documentation:

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

Research centre

0316

BRITISH GAS CORPORATION

Research and Development Division/Watson House

Peterborough Road, Fulham, SW6 3HN LONDON, Great Britain .

AIMS: Research and development of the domestic and commercial utilization of gas. Testing of appliances. (Orientation: scientific, technological.)

NAME: Mr. Rex COOKE, Leader, Scientific Information Centre; tel.(01) 736 1212.

Primary Information:

- Reports, Bulletins.
- Watson House Bulletin, freq. 6, not available.

Documentation:

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

Research centre

0317

BRITISH HYDROMECHANICS RESEARCH ASSOCIATION (BHRA)

BHRA Fluid Engineering, MK43 OAJ CRANFIELD, Bedfordshire, Great Britain .

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) 750422.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Bulletins, Others.
- BHRA Fluid Engineering News, freq. 4, available.
- Seal Users Handbook, available.
- Internal Flow: a guide to losses in pipe and duct systems, 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
 - 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

0318

THE BRITISH LIBRARY

The Science Reference Library (SRL) Holborn Branch

25, Southampton Buildings, Chancery Lane, WC2A 1 AW LONDON, Great Britain .

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 8721 ext.3344; tex.266959.

Primary Information:

- Periodicals.
- 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

0319

THE BRITISH LIBRARY LENDING DIVISION (BLL)

Boston Spa, LS23 7BQ WETHERBY, Yorkshire, Great Britain .

AIMS: To support the library system of the UK by supplying by loan and photocopy items wanted by readers but not available from local libraries. 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) 843434; tex.557381.

Documentation:

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

Trade and professional organization

0320

BRITISH NUCLEAR ENERGY SOCIETY (BNES)

1-7 Great George Street, SW1P 3AA LONDON, Great Britain .

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.839-3611 Extn: 224.

Primary Information:

- Periodicals, Conference proceedings.
- B.N.E.S. Journal, freq. 4, available.

Documentation:

- Query answering, not restricted.

Trade and professional organization

0321

BRITISH NUCLEAR FORUM (BNF)

Leicester House, 8, Leicester Street, WC2H 7BN LONDON, Great Britain .

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)437 0678; tex.263536.

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.

Research centre

0322

BUILDING RESEARCH ESTABLISHMENT

Building Research Station

Bucknalls Lane, WD2 7JR WATFORD, Hertfordshire, Great Britain .

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) 74040; 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'72
- Bibliographies, not restricted.
- Translation services, not restricted.
- Consultant services, not restricted.

Research centre

0323

BUILDING SERVICES RESEARCH AND INFORMATION ASSOCIATION (BSRIA)

Old Bracknell Lane, RG12 4AH BRACKNELL, Berkshire, Great Britain .

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) 25071-5; cab.Heatlab Bracknell.

Primary Information:

- Periodicals, Reports.
- Omnibus, freq. 4, 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

0324

CAMBRIDGE UNIVERSITY

Cavendish Laboratory/Energy Research Group

Madingley Road, CB3 0HE CAMBRIDGE, Cambs, Great Britain .

AIMS: General research into energy in the UK. (Orientation: scientific, technological, economic, legal.)
NAME: Mrs. Wendy SMITH, Information Assistant; tel.(0223) 66477; tex.81292.

Primary Information:

- Reports, Theses and dissertations.

University and educational establishment

0325

CARDIFF UNIVERSITY COLLEGE

Department of Mechanical Engineering/Solar Energy Unit
Newport Road, CF2 1TA CARDIFF, Great Britain .

AIMS: Research into solar energy. (Orientation: technological.)

NAME: Dr. Brian J. BRINKWORTH, Leader of Solar Energy Unit; tel.(0222) 44211; cab.Coleg Cardiff.

Primary Information:

- Reports.

Documentation:

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

Public and private energy enterprise

0326

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Berkeley Nuclear Laboratories (BNL), GL13 9PB BERKELEY, Gloucestershire, Great Britain .

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

0327

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Central Electricity Research Laboratories (CERL)

Kelvin Avenue, KT22 7SE LEATHERHEAD, Surrey, Great Britain .

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.(03723) 74488; 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.

Public and private energy enterprise

0328

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Information Services

Sudbury House, 15, Newgate Street, EC1A 7AU LONDON, Great Britain .

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 1202; 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.

Public and private energy enterprise

0329

CENTRAL ELECTRICITY GENERATING BOARD (CEGB)

Marchwood Engineering Laboratories

Marchwood, S04 4ZB SOUTHAMPTON, Hampshire, Great Britain .

AIMS: Research on various aspects of electricity generation and utilization. (Orientation: scientific, technological, economic.)

NAME: Dr.D.T. SWIFT-HOOK; tel.(04216) 5711; tex.47338.

Primary Information:

- Periodicals, Reports.

Information purveyor

0330

CENTRAL STATISTICAL OFFICE (CSO)

Library

Great George Street, SW1P 3AQ LONDON, Great Britain .

AIMS: Government library holding current issues of major statistical series of the UK, Commonwealth and foreign countries and international organizations. (Orientation: economic.)

NAME: Mr. C. SCOTT, Librarian; tel.(01) 930 5422 ext.557.

Primary Information:

- Statistical information.

Documentation:

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

Trade and professional organization

0331

CHEMICAL INDUSTRIES ASSOCIATION LTD

Alembic House, 93, Albert Embankment, SE1 7TU LONDON, Great Britain .

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 3001; tex.916672; cab.Chemindsoc London SE1 7TU.

Trade and professional organization

0332

CONFEDERATION OF BRITISH INDUSTRY

Company Affairs Directorate/Fuel and Energy Department

Tothill Street, 21, SW1H 9LP LONDON, Great Britain .

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 6711; tex.21332; cab.COBUSTRY LONDON SW1.

Primary Information:

- Reports, Statistical information.
- Reports on industrial energy practices and use, not available.
- Reports on industry's reactions to energy situations, not available.
- Ad hoc statistics of industrial energy use, not available.

Documentation:

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

Research centre

0333

CRANFIELD INSTITUTE OF TECHNOLOGY

Centre for Transport Studies

MK43OAL CRANFIELD, Bedfordshire, Great Britain .

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 750111; tex.82 50 72.

Primary Information:

- Reports, available.

Documentation:

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

University and educational establishment

0334

CRANFIELD INSTITUTE OF TECHNOLOGY

College of Aeronautics/Environmental Sciences Research Unit (ESRU)

MK43 OAL CRANFIELD, Bedfordshire, Great Britain .

AIMS: Studies of neutral energy sources e.g. wind, solar, etc. and associated energy storage problems. (Orientation: scientific, technological.)

NAME: Dr.R.I. HARRIS, Director of ESRU; tel.(0234) 750111; tex.825072.

Primary Information:

- Reports.

Documentation:

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

University and educational establishment

0335

CRANFIELD INSTITUTE OF TECHNOLOGY

School of Mechanical Engineering (Engineering Thermodynamics)/Centre for Thermal Insulation Studies

MK43 OAL CRANFIELD, Bedfordshire, Great Britain .

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) 75011 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.

National administration and decision making body

0336

DEPARTMENT OF ENERGY

Headquarters

Thames House South, Millbank, SW1 4QJ LONDON, Great Britain .

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 CARRINGTON, Librarian; tel.(01) 211 3394; 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.

Public and private energy enterprise

0337

DEPARTMENT OF THE ENVIRONMENT (DOE)

Property Services Agency (PSA)

Lambeth Bridge House, Albert Embankment, SE1 7SB LONDON, Great Britain .

AIMS: Government Department concerned with Government buildings, supplies etc. (Orientation: technological.)

NAME: Mr.C.D. OVERTON, Principal Librarian; tel.(01) 211 7236; tex.22221.

Primary Information:

- Periodicals, Books, Bulletins.
- Development and Construction, freq. 4, available.
- DOE Construction, freq. 12, 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.

Trade and professional organization

0338

DISTRICT HEATING ASSOCIATION (DHA)

Bedford House, Stafford Road, CR3 6JA CATERHAM, Surrey, Great Britain .

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. George M. CHRISTIE, Controller of Services; tel.(0883) 42323-4.

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

0339

THE ECONOMIST INTELLIGENCE UNIT LTD (EIU)

27 St. James's Place, SW1A 1NT LONDON, Great Britain .

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

0340

EDINBURGH UNIVERSITY

Department of Mechanical Engineering

Mayfield Road, South Bridge, EH9 3JL EDINBURGH, Great Britain .

AIMS: Wave Power Project. (Orientation: technological.)

NAME: Mr. Stephen H. SALTER, Project leader; tel.(031) 667 1081.

Primary Information:

- Reports.
- Annual Progress Report, freq. 1, not available.

Public and private energy enterprise

0341

ELECTRICITY COUNCIL

Intelligence Section

30, Millbank, SW1P 4RD LONDON, Great Britain .

AIMS: Administrative, commercial and economic aspects of electricity supply and utilization 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: economic.)

NAME: Mr. R.G. HANCOCK, Acting Intelligence Officer, Intelligence Section; tel.(01) 834 2333; 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.
 - Commercial Aspects of Electricity and Other Fuels, freq. 12
 - Industrial Applications of Electricity, 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.

Public and private energy enterprise

0342

ELECTRICITY COUNCIL

Research Centre

Capenhurst, CH1 6ES CHESTER, Cheshire, Great Britain .

AIMS: To increase the efficient use of electricity and to develop new uses and new processes appropriate to electricity as a refined energy source. (Orientation: scientific, technological.)

NAME: Mr. T.J. WEBSTER, Information Scientist; tel.(051)339 4181; tex.627124.

Primary Information:

- Reports, not available.

Documentation:

- Query answering, restricted.
- Retrospective research, restricted.
- SDI, no access.
- Library services, restricted.
- Abstracting journals, no access.
 - Current Papers, freq. 20
- Translation services, not restricted.
- Information analysis and synthesis services, restricted.

University and educational establishment

0343

ENERGY RESEARCH UNIT (ERU) LONDON UNIVERSITY

Queen Mary College/Energy Research Unit

Queen Mary College, London University, E.1 LONDON, Great Britain .

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 1964-71 (Thesis F.M. O'Carroll), available.

Documentation:

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

Research centre

0344

ESSO PETROLEUM CO. LTD.

ESSO Research Centre

OX 13 6AE ABINGDON, Oxon, Great Britain .

AIMS: To promote the most effective utilization 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.)

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

0345

ESSO PETROLEUM COMPANY LTD.

Information and Library Service

Esso House, Victoria Street, SW1E 5JW LONDON, Great Britain .

AIMS: Transportation, refining and marketing of petroleum products in the UK. (Orientation: economic.)

NAME: Mrs. Jenny THOMAS, Librarian; tel.(01) 834 6677; tex.24942.

Documentation:

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

Non-energy enterprise with strong interest in energy

0346

GENERAL ELECTRIC COMPANY (GEC) POWER ENGINEERING LTD.

Library

Cambridge Road, LE8 3LH WHETSTONE, Leicester, Great Britain .

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: Mrs. J. DAWSON, Chief Librarian; tel.(053729) 3434; tex.34355.

Primary Information:

- Books.
- Thesaurofacet: 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. 26
 - Technical Literature Reviews; Power engineering, freq. 26
- Bibliographies, restricted.
- Translation services, restricted.
- Information analysis and synthesis services, not restricted.

Non-energy enterprise with strong interest in energy

0347

GENERAL ELECTRIC COMPANY LTD. (GEC)

Hirst Research Centre

East Lane, HA9 7PP WEMBLEY, Middlesex, Great Britain .

AIMS: Research into various aspects of electricity generation and utilization. (Orientation: scientific.)

NAME: Mrs. J. BRADBURN, Librarian; tel.(01) 904 1262.

Primary Information:

- Periodicals, Reports.
- GEC Journal of Science and Technology, freq. 4, available.

Documentation:

- Library services, restricted.

University and educational establishment

0348

GLASGOW UNIVERSITY

Department of Electrical and Electronic Engineering

G12 8QQ GLASGOW, Great Britain .

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 8855.

Primary Information:

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

Documentation:

- Query answering, not restricted.
- Consultant services, not restricted.
- Information analysis and synthesis services, no access.

University and educational establishment

0349

HERIOT-WATT UNIVERSITY

Energy Resources Group

Research Park, Riccarton, Currie, EH14 4AS EDINBURGH, Great Britain .

AIMS: General research into energy resources; development of Scottish Fuel Economy, simulation model of natural gas production in North Sea, 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: Dr. John M. FRANCIS, Senior Research Fellow in Energy Studies; tel.(031) 449 5111 ext 2244.

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

0350

IMPERIAL CHEMICAL INDUSTRIES LTD. (ICI)

Petrochemicals Division/Intelligence Section

P.O. Box 90, Wilton, TS6 8JE MIDDLESBROUGH, Cleveland, Great Britain .

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) 5522 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 organization

0351

INSTITUTE OF FUEL

18, Devonshire Street, W1M 2AV LONDON, Great Britain .

AIMS: Advancement of scientific knowledge in the preparation, treatment and utilization of heat and power of all types. (Orientation: scientific, technological.)

NAME: Dr. Roland JACKSON, Secretary; tel.(01) 580 7124-6.

Primary Information:

- Periodicals, Conference proceedings.
- Journal, freq. 11, available.
- Energy World, freq. 12, available.

Documentation:

- Abstracting journals, restricted.
 - Fuel Abstracts and Current Titles (FACTS), freq. 12
- Bibliographies, restricted.

Trade and professional organization

0352

INSTITUTE OF GEOLOGICAL SCIENCES (IGS)

Exhibition Road, South Kensington, SW7 2DE LONDON, Great Britain .

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 3444; 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.

Trade and professional organization

0353

INSTITUTE FOR OFFSHORE ENGINEERING

Heriot-Watt University

Research Park, Riccarton, Currie, EH14 4AS EDINBURGH, Great Britain .

AIMS: Collaborative R & D projects in offshore engineering. Post experience education through technical seminars and courses. Storage and retrieval of information on offshore engineering and offshore oil and gas. (Orientation: technological.)

NAME: Mr. Ralph N. BEER, Information Officer; tel.(031) 449 5111.

Documentation:

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

Trade and professional organization

0354

INSTITUTE OF PETROLEUM (IP)

61, New Cavendish Street, W1M 8AR LONDON, Great Britain .

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 1004; 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 organization

0355

INSTITUTE OF PHYSICS

47, Belgrave Square, SW1X 8QX LONDON, Great Britain .

AIMS: Advancement of the knowledge of pure and applied physics. (Orientation: scientific.)

NAME: Dr. Louis COHEN, Executive Secretary; tel.(01) 235 6111; 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 organization

0356

INSTITUTION OF ELECTRICAL ENGINEERS

Savoy Place, Victoria Embankment, WC2R 0BL LONDON, Great Britain .

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. Hugh WILMAN, Head of Library and Information Services; tel.(01) 240 1871; 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.
- 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
- Bibliographies, not restricted.
- Information analysis and synthesis services, not restricted.

Trade and professional organization

0357

INSTITUTION OF GAS ENGINEERS

17, Grosvenor Crescent, SW1X 7ES LONDON, Great Britain .

AIMS: Promotion of engineering services as applied to the gas industry. (Orientation: technological.)

NAME: Miss Barbara P.J. EVANS, Librarian; tel.(01) 245 9811.

Primary Information:

- Periodicals, Others.
- Annual Report, freq. 1, available.
- Journal, freq. 12, available.
- Research Communications, freq. irregular, available.

Documentation:

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

Trade and professional organization

0358

INSTITUTION OF HEATING & VENTILATING ENGINEERS (IHVE)

49 Cadogan Square, SW1X OJB LONDON, Great Britain .

AIMS: The promotion for the public in general, of the science and practice of Heating, Ventilating and Air Conditioning and other Engineering Services which are associated with the built environment and with industrial processes. Energy use and conservation are important parts of the science and practice. (Orientation: scientific, technological.)

NAME: Mr. Jack PEACH, Deputy Secretary; 143A Knightsbridge, Park Mansions Arcade, SW1 LONDON, Great Britain; tel.01-235-7671.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Theses and dissertations, Bulletins.
- Building Services Engineer, freq. 12, available.
- IHVE Guide (Booklets), available.
- Energy Notes (Leaflets), available.
- Study & Task Group Reports, available.

Documentation:

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

Trade and professional organization

0359

INSTITUTION OF NUCLEAR ENGINEERS

1, Penderley Road, SE6 2LQ LONDON, Great Britain .

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 1500.

Primary Information:

- Periodicals.
- Journal, freq. 6, available.

Documentation:

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

Trade and professional organization

0360

INSTITUTION OF PLANT ENGINEERS

138, Buckingham Palace Road, SW1W 9SG LONDON, Great Britain .

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, Technical Officer; tel.(01) 730 0469; cab.Planteng, London SW1.

Primary Information:

- Periodicals, Conference proceedings.
- The Plant Engineer, freq. 11, available.

Documentation:

- Query answering, restricted.

University and educational establishment

0361

LIVERPOOL UNIVERSITY

Department of Building Engineering

Muspratt Laboratory, P.O. Box 147, L69 3BX LIVERPOOL, Great Britain .

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 6022; tex.627095.

Primary Information:

- Reports, Others.
- Reports, available.

Documentation:

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

University and educational establishment

0362

LONDON UNIVERSITY, IMPERIAL COLLEGE OF SCIENCE AND TECHNOLOGY

Department of Mechanical Engineering/Thermal Power Unit

Prince Consort Road, South Kensington, SW7 2AZ LONDON, Great Britain .

AIMS: Comparative studies of aspects of national energy policies. (Orientation: scientific, technological, economic, legal.)

NAME: Professor W. MURGATROYD, In charge of project; tel.(01) 589 5111; tex.261503.

Primary Information:

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

Documentation:

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

Public and private energy enterprise

0363

NATIONAL COAL BOARD (NCB)

Coal Research Establishment

Stoke Orchard, GL52 4RZ CHELTENHAM, Gloucestershire, Great Britain .

AIMS: Research and development in the fields of utilization, processing and combustion of coal. (Orientation: technological.)

NAME: Dr. Gerald WATSON, Information Officer; tel.(024267) 3361.

Primary Information:

- Reports, not available.

Documentation:

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

Public and private energy enterprise

0364

NATIONAL COAL BOARD (NCB)

Headquarters

Hobart House, Grosvenor Place, SW1X 7AE LONDON, Great Britain .

AIMS: Day-to-day running and commercial management of the coal industry. (Orientation: scientific, technological, economic.)

NAME: Miss B. RAMSBOTHAM, Librarian; tel.(01) 235 2020; 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.
- Abstracting journals, restricted.
 - NCB Abstracts A, freq. 12
 - NCB Abstracts B, freq. 12
 - NCB Abstracts C, freq. 6
- Bibliographies, not restricted.
- Translation services, restricted.
- Consultant services, restricted.

Public and private energy enterprise

0365

NATIONAL COAL BOARD (NCB)

Mining Research and Development Establishment

Ashby Road, Stanhope Bretby, DE15 0QD BURTON-ON-TRENT, Staffordshire, Great Britain .

AIMS: Underground coal mining research and development, including coal preparation techniques. (Orientation: scientific, technological.)

NAME: Mr. D.A.M. EDWARDS, Librarian; tel.(028387) 6161.

Primary Information:

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

0366

NATIONAL INDUSTRIAL FUEL EFFICIENCY SERVICE LTD. (NIFES)

14, Great Smith Street, LONDON, Great Britain .

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. William SHORT, Director; tel.(01) 606 5906.

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

0367

NATIONAL PHYSICAL LABORATORY (NPL)

Energy Unit

TW11 0LW TEDDINGTON, Middlesex, Great Britain .

AIMS: The Energy Unit is concerned with energy conservation, and measurement of overall energy requirements in industrial processes. (Orientation: scientific, technological.)

NAME: Dr. J.A. CATTERALL, Director of Energy Unit; tel.(01) 977 3222; tex.262344.

Primary Information:

- Reports, Statistical information.
- Annual Report, freq. 1, available.

University and educational establishment

0368

NEWCASTLE-UPON-TYNE UNIVERSITY

Energy Centre

Stephenson Building, University of Newcastle-upon-Tyne, NE1 7RU NEWCASTLE-UPON-TYNE, Great Britain .

AIMS: Energy resource and usage studies; an assessment of total energy schemes as a more efficient and economic way of using fuel. (Orientation: scientific, technological, economic.)

NAME: Professor Gilbert R. BAINBRIDGE, Professor of Energy Studies; tel.(0632) 28511.

Primary Information:

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

Documentation:

- Consultant services, not restricted.

Public and private energy enterprise

0369

NORTH OF SCOTLAND HYDRO ELECTRIC BOARD (NSHEB)

16, Rothesay Terrace, EH3 7SE EDINBURGH, Great Britain .

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 1361; tex.72480.

Primary Information:

- Reports, Statistical information.
- Annual Report and Accounts, freq. 1, available.
- Statistical information, available.

Documentation:

- Query answering, not restricted.

Information purveyor

0370

OFFSHORE INFORMATION LITERATURE

30, Baker Street, W1M 2DS LONDON, Great Britain .

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.01. 486-5353.

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.

University and educational establishment

0371

OXFORD UNIVERSITY

Department of Engineering Science

Parks Road, OX1 3BD OXFORD, Great Britain .

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), use of small diesels for road transport, pedal power for transport and stationary uses. (Orientation: technological.)

NAME: Dr. S.S. WILSON, Lecturer and research supervisor; tel.(0865) 59988.

Primary Information:

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

Documentation:

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

Non-energy enterprise with strong interest in energy

0372

PILKINGTON BROS. LTD.

Environmental Advisory Service

West Park, Prescot Road, WA10 3TT ST. HELENS, Lancashire, Great Britain .

AIMS: The provision of an advisory service to architects and engineers on the use of glass in buildings. (Orientation: technological.)

NAME: Mrs. Jacqueline Ann MARSH; tel.(0744) 28882 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.

University and educational establishment

0373

PLYMOUTH POLYTECHNIC

School of Architecture

Palace Court, PL4 0EX PLYMOUTH, Devon, Great Britain .

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) 21312.

Primary Information:

- Reports, available.

Documentation:

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

University and educational establishment

0374

POLYTECHNIC OF CENTRAL LONDON

Built Environment Research Group

35, Marylebone Road, NW1 5LS LONDON, Great Britain .

AIMS: Construction of a solar heated house using solar collector panels as a roof to heat water for central heating and domestic use. (Orientation: technological.)

NAME: Mr. Ray G. MAW, Director of the Built Environment Research Group; tel.(01) 486 5811; cab.Polytechnic London W1.

Primary Information:

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

University and educational establishment

0375

READING UNIVERSITY

Department of Chemistry

Whiteknights Park, RG6 2AH READING, Berkshire, Great Britain .

AIMS: Chemical utilization of solar energy. (Orientation: scientific.)

NAME: Professor Derek BRYCE-SMITH, Lecturer; tel.(0734) 82614; tex.847813.

Primary Information:

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

Information purveyor

0376

ROYAL INSTITUTE OF BRITISH ARCHITECTS (RIBA)

Library

66, Portland Place, WIN 4AD LONDON, Great Britain .

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 5533.

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

0377

SAFETY IN MINES RESEARCH ESTABLISHMENT (SMRE)

Red Hill, off Broad Lane, S3 7HQ SHEFFIELD, Yorkshire, Great Britain .

AIMS: Research into mine safety, also into flammable and toxic gases, respiratory apparatus, frictional ignition etc. Statutory testing of electrical apparatus for use in flammable atmospheres. (Orientation: technological.)

NAME: Mr. E.E. RODGERS, Librarian; tel.(0742) 78141.

Primary Information:

- Periodicals, Reports.
- SMRE Annual Report, 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.

University and educational establishment

0378

SALFORD UNIVERSITY

Department of Civil Engineering

M5 4WT SALFORD, Lancashire, Great Britain .

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 5843.

Primary Information:

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

Documentation:

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

University and educational establishment

0379

SALFORD UNIVERSITY

The Industrial Centre for Design and Manufacturing Engineering

M5 4WT SALFORD, Lancashire, Great Britain .

AIMS: Among other projects, the development of a liquid nitrogen engine for cars and other motor vehicles. (Orientation: technological.)

NAME: Dr. John E. RANDELL, Project leader; tel.(061) 736 8921; tex.668680.

Primary Information:

- Reports, available.

Documentation:

- Consultant services, not restricted.

Public and private energy enterprise

0380

SHELL INTERNATIONAL PETROLEUM CO. LTD.

Central Information and Documentation. OAIL

Shell Centre, SE1 7NA LONDON, Great Britain .

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, OAIL/1; tel.(01) 934 5127; tex.25781.

Documentation:

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

Public and private energy enterprise

0381

SHELL RESEARCH LTD.

Thornton Research Centre

P.O. Box 1, CH1 3SH CHESTER, Cheshire, Great Britain .

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 3755; tex.62304.

Primary Information:

- Reports.
- Research Reports, not available.

Documentation:

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

Trade and professional organization

0382

SOLID SMOKELESS FUELS FEDERATION

York House, Empire Way, HA9 OPA WEMBLEY, Middlesex, Great Britain .

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 5405.

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

0383

SOUTH OF SCOTLAND ELECTRICITY BOARD (SSEB)

Cathcart House, Inverlair Avenue, G44 4BE GLASGOW, Great Britain .

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 7177; 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

0384

STATISTICS AND MARKET INTELLIGENCE LIBRARY (DEPARTMENT OF INDUSTRY)

Export House, 50, Ludgate Hill, EC4M 7HU LONDON, Great Britain .

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 a national reference library of 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 5757; tex.886143.

Documentation:

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

University and educational establishment

0385

STRATHCLYDE UNIVERSITY

Energy Studies Unit

100, Montrose Street, G4 0LZ GLASGOW, Great Britain .

AIMS: Energy based policy studies: energy subsidy to food production: energy and global modelling. (Orientation: technological, economic.)

NAME: Dr. Malcolm SLESSER, Director of Energy Studies Unit; tel.(041) 552 4400-9.

Primary Information:

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

Documentation:

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

University and educational establishment

0386

SUSSEX UNIVERSITY

Science Policy Research Unit

Mantell Building, Falmer, BN1 9RF BRIGHTON, Sussex, Great Britain .

AIMS: Research into strategic developments affecting the long-term energy situation. (Orientation: technological, economic.)

NAME: Dr. A.J. SURREY, Senior Research Fellow; tel.(0273) 686758; tex.(87394-main University library).

Primary Information:

- Reports, available.

Documentation:

- SDI, restricted.
- Library services, restricted.

Trade and professional organization

0387

TRADES UNION CONGRESS

Library

Congress House, 23-28, Great Russell Street, WC1B 3LS LONDON, Great Britain .

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 4030; 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.

Public and private energy enterprise

0388

UNITED KINGDOM ATOMIC ENERGY AUTHORITY (UKAEA)

11, Charles II Street, SW1Y 4QP LONDON, Great Britain .

AIMS: 1) Stewardship on behalf of HM Government in atomic affairs generally. 2) Research into new reactor systems 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 6262.

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.

University and educational establishment

0389

UNIVERSITY OF MANCHESTER INSTITUTE OF SCIENCE AND TECHNOLOGY (UMIST)

Department of Civil Engineering

Sackville Street, M60 1QD MANCHESTER, Great Britain .

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 3311.

Primary Information:

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

Research centre

0390

WARREN SPRING LABORATORY

Gunnells Wood Road, SG1 2BX STEVENAGE, Hertfordshire, Great Britain .

AIMS: R & D for the chemicals, mining and process industries. (Orientation: technological.)

NAME: Mr. P.S. HARRIS, Librarian; tel.(0438) 3388; 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

International Organization

0391

COMMISSION DES COMMUNAUTES EUROPEENNES

Direction Générale Energie

rue de la Loi, 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.

International Organization

0392

COMMISSION DES COMMUNAUTES EUROPEENNES

Direction Générale Information Scientifique et Technique et Gestion de l'Information/Direction A

rue Aldringen, 29, LUXEMBOURG, Luxembourg .

AIMS: Scientific and technical information and information management. (Orientation: scientific, technological.)

NAME: Monsieur H.L. SCHERFF, Administrateur principal; tel.292.41 ext.295; tex.423 et 446 COMEUR L.

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

International Organization

0393

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.

International Organization

0394

COMMISSION DES COMMUNAUTES EUROPEENNES

Office des Statistiques (EUROSTAT)

Centre Européen du Kirchberg, LUXEMBOURG, Luxembourg .

AIMS: Gathering, processing and dissemination of statistics at the Community level. (Orientation: economic.)

NAME: Monsieur Alain CHANTRAINE, Attaché au Directeur Général; tel.479 41; 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 ORGANIZATIONS

International Organization

0395

ASSOCIATION EUROPEENNE OCEANIQUE

Service documentation

Villa Richard, Rue de l'Abbaye, MC 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 Organization

0396

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 Organization

0397

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 OEMMICHEN, Responsable du service documentation; tel.(01) 073 45 15.

Documentation:

- Query answering, restricted.

International Organization

0398

CONFERENCE INTERNATIONALE DES GRANDS RESEAUX ELECTRIQUES (CIGRE)

Boulevard Haussmann, 112, 75008 PARIS, France .

AIMS: Association of world-wide engineers concerned by H.V. electricity problems. Congresses every two years. (Orientation: technological.)

NAME: Mademoiselle DOURY, Chef du service administratif; tel.(01) 522 65 12; cab.CIGRE.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- Electra, freq. 6, available.

Documentation:

- Library services, restricted.
- Translation services, restricted.

International Organization

0399

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 country members each year. (Orientation: scientific, technological.)

NAME: Monsieur PERROT; tel.(91) 3341 02.

Primary Information:

- Periodicals, Conference proceedings.
- Revue internationale de l'Héliotechnique, freq. 3, available.

International Organization

0400

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 (021) 22.44.06; tex.25874F NCSR CH 25874 f ncsr ch.

Primary Information:

- Periodicals, Reports, Conference proceedings, Others.
- TAP-lines, available.

Documentation:

- Query answering, not restricted.

International Organization

0401

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.

Research centre

0402

EUROPEAN RESEARCH ASSOCIATION LTD (ERA)
Cleeve Road, KT22 7SA LEATHERHEAD, Great Britain .

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 74151; 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.

International Organization

0403

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.(01) 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.

International Organization

0404

INTERNATIONAL INSTITUTE FOR GEOTHERMAL RESEARCH
Lungarno Pacinotti, 55, PI 56100 PISA, Italy .

AIMS: Research and utilization 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.

Non-energy enterprise with strong interest in energy

0405

INTERNATIONAL RESEARCH AND DEVELOPMENT COMPANY LIMITED
Fossway, NE6 2YD NEWCASTLE-UPON-TYNE, Great Britain .

AIMS: To undertake contract research and development, and provide technical services and consultancy in the fields of electrical and mechanical engineering, materials, electronics, physics and chemistry. (Orientation: scientific, technological.)
NAME: Mr. R. ATKINSON, Head of Technical Administration; tel.(632) 65041; tex.537086; cab.IRDCO Newcastle-upon-Tyne.

Primary Information:

- Periodicals, Reports.
- Newsletter, freq. 4, not available.
- Reports on projects, not available.

Documentation:

- Consultant services, restricted.

International Organization

0406

INTERNATIONAL SOLAR ENERGY SOCIETY (ISES)

British Section

c/o The Royal Institution, 21, Albemarle Street, W1X 4BS LONDON, Great Britain .

AIMS: Interdisciplinary organization whose purpose is the fostering of the science and technology relating to applications of solar energy, the encouragement of basic and applied solar energy research, development, compilation, dissemination of information relating to all aspects of solar energy. (Orientation: scientific, technological.)

NAME: Dr. Mary ARCHER, Secretary; tel.(01) 493 0669.

Primary Information:

- Periodicals, Reports, Conference proceedings.
- The Sun at Work in Britain, freq. 2, available.

Documentation:

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

International Organization

0407

ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)

Information Service

rue André Pascal, 2, 75775 CEDEX 16 PARIS, 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; of 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.(01) 524 82 00; tex.620 160 OCDE; cab.DEVELOPECONOMIE.

Primary Information:

- Periodicals, Books, Reports, Conference proceedings, Statistical information.
- Provisional oil statistic by quarters, freq. 4, available.
- Nuclear law bulletin, freq. 2, available.
- Energy statistics, freq. 1, available.

International Organization

0408

ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT (OECD)

Main Library

Rue André Pascal, 2, 75 775 Cedex16 PARIS, France .

AIMS: To promote the economic cooperation and development of the Members countries. (Orientation: economic.)

NAME: Madame Reine CORMIER, Chef de la Bibliothèque; tel.(01) 524 81 07.

Documentation:

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

International Organization

0409

PERMANENT COUNCIL OF THE WORLD PETROLEUM CONGRESS

61, New Cavendish Street, W1M 8AR LONDON, Great Britain .

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 1004; tex.264380; cab.Worpetress London W1.

Primary Information:

- Conference proceedings.
- Congress Proceedings, freq. 1 every four years, available.

- International Organization** **0410**
STICHING CONCAWE
Van Hogenhoucklaan, 60, 2018 S'GRAVENHAGEN, Netherlands .
AIMS: Means for preventing pollution attributable to oil industry and use of oil products. (Orientation: scientific, economic, legal.)
Primary Information:
 - Reports.
 - CONCAWE reports, available.**Documentation:**
 - Abstracting journals, not restricted.
 - Abstracts of CONCAWE reports and documents
- International Organization** **0411**
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.(01) 345 50 30.
Primary Information:
 - Periodicals, Statistical information.
 - Bulletin de l'UNICHAL, available.
- International Organization** **0412**
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.(01) 227 96 66.
Primary Information:
 - Conference proceedings, available.
 - Bulletins, available.**Documentation:**
 - Query answering, not restricted.
 - Bibliographies, not restricted.
- International Organization** **0413**
UNION INTERNATIONALE DES PRODUCTEURS ET DISTRIBUTEURS D'ENERGIE ELECTRIQUE (UNIPEDE)
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.(01) 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 Organization** **0414**
UNITED NATIONS ORGANIZATION (UNO)
Economical Commission for Europe (ECE)/Energy division
Palais des Nations, Bureau 402, 1211 Genève 10 GENEVE, Switzerland .
AIMS: To uprise 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) 346011 (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 Organization

0415

UNITED NATIONS ORGANIZATION (UNO)

Statistical Office

N.Y. 10017 NEW YORK, 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 Organization

0416

WORLD ENERGY CONFERENCE (WEC)

Central Office

5, Burey Street, St Jame's, SW1Y 6AB LONDON, Great Britain .

AIMS: The organization of international conferences and study committees on energy considering the potential resources and all means of production, transportation, transformation and utilization of energy, energy consumption in overall relationship to economic activity and collecting and publishing data in these matters list. (Orientation: technological, economic.)

NAME: Mr. Eric RUTTLEY, Secretary General; tel.(01) 930 3966.

Primary Information:

- Reports, Conference proceedings.
- Transactions of World Power Conferences, freq. every three years, not available.
- Survey of World Energy Resources, freq. every six years, not available

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nuclear energy, plasma, fusion

0206 0207 0216 0220 0224 0236 0287 0321 0362 0388

oil

0020 0033 0063 0072 0109 0119 0155 0163 0174 0190 0207 0220 0226 0229 0231 0232
0239 0267 0273 0275 0289 0331 0343 0344 0350 0383 0402

oil shales and tar sands

0109 0190 0220 0226 0350

other sources

0063 0151 0220

recovery processes

0109 0130 0155 0158 0174 0226 0229 0236 0322 0323 0362

SNG

0109 0152 0155 0174 0344 0350

solar energy

0130 0158 0206 0207 0220 0226 0228 0232 0236 0406

tidal energy
 0058 0135 0207
 wind energy
 0058 0135 0158 0207 0402
 wood and plants
 0253

GENERAL

biological processes
 0178 0199 0246 0249 0259 0269 0281 0282
 coal
 0023 0029 0033 0168 0178 0182 0252 0280 0292 0297 0314 0364 0387 0402
 direct methods
 0087 0169 0245 0246 0247 0249 0250 0251 0254 0256 0259 0276 0282 0292 0305 0306
 electricity
 0001 0021 0033 0156 0168 0195 0210 0248 0249 0250 0251 0254 0256 0269 0277 0282
 0292 0305 0356 0387 0402
 general
 0023 0027 0032 0034 0053 0097 0123 0176 0188 0198 0199 0221 0249 0250 0252 0258
 0264 0266 0268 0276 0278 0280 0282 0289 0290 0291 0292 0304 0307 0309 0318 0320
 0332 0350 0351 0358 0368 0369 0371 0402 0407 0416
 geothermal energy
 0033 0087 0282 0292 0302
 hydroelectric power
 0033 0125 0168 0195 0378 0387
 hydrogen
 0033 0248 0276 0282 0292 0306
 magnetohydrodynamic power
 0087 0305
 manufactured gas
 0019 0029 0033 0168 0221 0259 0276 0292 0296 0306 0314 0357 0402
 natural gas
 0019 0023 0029 0033 0168 0181 0221 0230 0246 0252 0276 0280 0292 0306 0314 0343
 0357 0387 0402
 nuclear energy, fission
 0033 0087 0168 0169 0200 0248 0251 0256 0277 0282 0292 0298 0305 0320 0387 0388
 nuclear energy, plasma, fusion
 0033 0087 0292 0295 0320 0387 0388
 oil
 0009 0023 0033 0168 0221 0230 0238 0252 0280 0292 0305 0343 0387 0402 0409
 oil shales and tar sands
 0168 0221 0292
 other sources
 0151 0252 0292
 recovery processes
 0155 0169 0245 0249 0250 0251 0256 0259 0269 0276 0281 0282 0292 0296 0306 0322
 0338 0373 0387 0402
 SNG
 0276 0292 0306 0314 0357 0402
 solar energy
 0033 0087 0148 0160 0169 0199 0245 0249 0251 0254 0256 0259 0281 0282 0305 0373
 0399
 tidal energy
 0125 0247 0378
 wind energy
 0033 0248 0254 0282 0305 0402
 wood and plants
 0178 0269 0282 0292 0296

GEOLOGICAL SURVEYS

coal
0352
oil
0352

HEALTH AND SAFETY

biological processes
0033
coal
0024 0025 0029 0033 0083 0122 0165 0167 0207 0208 0215 0229 0364 0377 0392
electricity
0026 0028 0033 0037 0105 0129 0216 0229 0273 0329 0341 0369 0383 0402
general
0046 0060 0121 0122 0169 0177 0189 0207 0215 0216 0222 0229 0320 0344 0350 0358
0362
geothermal energy
0207 0208 0215 0222
hydroelectric power
0033 0207
hydrogen
0033 0167 0207 0212 0222 0233
magnetohydrodynamic power
0207 0216
manufactured gas
0008 0033 0167 0207 0208 0229 0233 0316
natural gas
0008 0026 0033 0167 0207 0208 0229 0233 0316 0344 0354
nuclear energy, fission
0033 0040 0133 0169 0200 0207 0208 0212 0216 0222 0273 0320 0321 0326 0359 0362
0383 0388 0392
nuclear energy, plasma, fusion
0040 0122 0133 0207 0212 0216 0320 0321 0329 0359 0388
oil
0020 0033 0167 0177 0207 0208 0229 0233 0344 0354
oil shales and tar sands
0215
other sources
0105 0151
recovery processes
0033 0167 0208 0229 0338
SNG
0008 0167 0233 0316
solar energy
0129 0207 0212 0222
tidal energy
0207
wind energy
0129 0207

LEGISLATION AND REGULATION

biological processes
0109
coal
0029 0033 0064 0120 0122 0168 0174 0331 0336

direct methods
0109

electricity
0026 0033 0037 0105 0106 0120 0129 0168 0174 0224 0236 0237 0273 0331 0336 0362
0369 0383 0413

general
0052 0060 0076 0092 0093 0094 0109 0117 0122 0168 0174 0177 0187 0189 0191 0192
0197 0224 0236 0237 0331 0336 0344 0350 0362 0391

geothermal energy
0109 0118 0236 0404

hydroelectric power
0106 0168 0236 0237 0369

hydrogen
0109 0143

magnetohydrodynamic power
0109

manufactured gas
0033 0085 0109 0120 0152 0168 0174 0239 0336

natural gas
0019 0026 0033 0069 0076 0085 0109 0120 0143 0152 0168 0174 0239 0331 0336 0343
0344 0354

nuclear energy, fission
0033 0168 0174 0214 0224 0236 0273 0321 0336 0359 0362 0383 0388 0396 0413

nuclear energy, plasma, fusion
0214 0224 0236 0321 0359 0362 0388 0396

oil
0020 0033 0069 0076 0109 0119 0168 0174 0177 0239 0331 0336 0343 0344 0350 0354
0410

oil shales and tar sands
0109 0168

other sources
0105 0151

recovery processes
0076 0109 0143 0174 0236 0237 0322 0338 0362 0372 0376

SNG
0109 0152 0174 0344

solar energy
0118 0129 0143 0236 0406

tidal energy
0118

wind energy
0118 0129

wood and plants
0118

MARKETING AND DISTRIBUTION

biological processes
0109 0134

coal
0029 0033 0084 0207 0226 0331 0364 0382 0414

direct methods
0109

electricity
0028 0033 0037 0095 0226 0236 0273 0328 0331 0341 0369 0383 0413 0414

general
0033 0077 0095 0109 0140 0171 0207 0222 0226 0236 0331 0339 0344 0350 0391 0411
0414

geothermal energy
 0109 0140 0207 0222 0226

hydroelectric power
 0207 0226 0236 0414

hydrogen
 0109 0222 0362

magnetohydrodynamic power
 0109 0207

manufactured gas
 0085 0102 0109 0152 0207 0209 0239 0400 0414

natural gas
 0033 0085 0102 0103 0109 0134 0137 0152 0207 0209 0226 0239 0331 0343 0344 0354
 0414

nuclear energy, fission
 0207 0222 0226 0236 0321

nuclear energy, plasma, fusion
 0207

oil
 0020 0033 0109 0119 0134 0207 0226 0239 0331 0343 0344 0354 0362 0400

oil shales and tar sands
 0109 0226

other sources
 0151

recovery processes
 0109 0226 0401

SNG
 0109 0152

solar energy
 0207 0222 0226 0243

tidal energy
 0207 0311

wind energy
 0207

METHODOLOGY, SYSTEMS MODELING

biological processes
 0109 0299 0334

coal
 0029 0083 0165 0167 0207 0215 0220 0226 0229 0362 0364 0402 0414

direct methods
 0109 0243 0273 0303 0385

electricity
 0028 0058 0136 0216 0220 0226 0229 0273 0275 0329 0334 0362 0369 0383 0385 0402
 0405 0414

general
 0045 0072 0077 0108 0109 0132 0169 0173 0174 0176 0194 0207 0215 0216 0220 0226
 0229 0254 0275 0279 0283 0286 0290 0299 0301 0324 0334 0344 0350 0362 0366 0393
 0402 0414

geothermal energy
 0109 0207 0215 0220 0226 0404

hydroelectric power
 0058 0207 0220 0226 0348 0362 0369 0414

hydrogen
 0109 0167 0207 0212 0286 0334 0362 0385

magnetohydrodynamic power
 0109 0207 0216

manufactured gas
 0109 0167 0207 0229 0414

natural gas
 0103 0109 0167 0207 0220 0226 0229 0343 0344 0349 0402 0414

nuclear energy, fission
 0058 0162 0169 0207 0212 0216 0220 0226 0273 0287 0321 0362 0383 0385 0388

nuclear energy, plasma, fusion
 0207 0212 0216 0220 0287 0321 0362 0388

oil
 0109 0167 0207 0220 0226 0229 0343 0344 0362 0385 0402

oil shales and tar sands
 0109 0215 0220 0226 0385

other sources
 0151 0220 0329

recovery processes
 0109 0167 0169 0226 0229 0322 0323 0334 0338 0362

SNG
 0109 0167 0334 0344

solar energy
 0160 0207 0212 0220 0226 0243 0334 0374 0385 0405 0406

tidal energy
 0058 0207 0311 0334

wind energy

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general

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PLANNING AND MANAGEMENT

coal

0029 0063 0064 0072 0083 0084 0207 0273 0331 0350 0362 0364 0383

direct methods

0273 0362

electricity

0058 0072 0206 0273 0328 0331 0341 0349 0362 0369 0383 0413

general

0038 0060 0077 0082 0088 0092 0094 0103 0115 0117 0130 0132 0140 0169 0173 0176
 0189 0206 0207 0222 0232 0266 0271 0273 0283 0289 0331 0332 0336 0339 0344 0358
 0362 0366 0389 0391 0416

geothermal energy

0135 0140 0207 0222 0413

hydroelectric power

0058 0072 0135 0207 0362 0369 0383

hydrogen

0207 0222 0232 0362

magnetohydrodynamic power

0207

manufactured gas

0063 0072 0152 0207

natural gas

0063 0072 0152 0207 0232 0273 0289 0331 0343 0344 0349 0362 0383

nuclear energy, fission

0058 0133 0169 0206 0207 0222 0232 0273 0287 0321 0359 0362 0383 0388 0413

nuclear energy, plasma, fusion

0133 0206 0207 0321 0359 0362 0388

oil

0020 0063 0072 0119 0207 0232 0273 0289 0331 0343 0344 0349 0350 0362 0383

other sources
 0063

recovery processes
 0130 0273 0322 0323 0338 0376

SNG
 0152 0344

solar energy
 0130 0207 0222 0232 0413

tidal energy
 0058 0135 0207 0311

wind energy
 0058 0135 0207 0287

POLICY FORMULATION

coal
 0029 0033 0064 0083 0120 0168 0174 0205 0207 0215 0220 0331 0350 0362 0364 0383

direct methods
 0362

electricity
 0033 0037 0120 0168 0174 0216 0220 0224 0236 0237 0273 0294 0331 0341 0362 0369
 0383 0385 0413

general
 0033 0052 0060 0082 0088 0092 0093 0094 0096 0108 0115 0117 0162 0168 0173 0174
 0176 0189 0192 0205 0207 0215 0216 0220 0224 0232 0236 0237 0271 0283 0289 0294
 0324 0331 0336 0339 0344 0358 0362 0367 0368 0369 0386 0389 0391 0403 0416

geothermal energy
 0205 0207 0215 0220 0236 0413

hydroelectric power
 0033 0168 0207 0220 0236 0237 0362 0369 0383

hydrogen
 0207 0232 0362 0385

magnetohydrodynamic power
 0207 0216

manufactured gas
 0033 0120 0152 0168 0174 0205 0207 0239 0350

natural gas
 0033 0069 0096 0120 0152 0168 0174 0205 0207 0220 0232 0239 0289 0331 0343 0344
 0350 0362 0383

nuclear energy, fission
 0133 0168 0174 0205 0207 0216 0220 0224 0232 0236 0321 0362 0383 0385 0388 0413

nuclear energy, plasma, fusion
 0133 0207 0216 0220 0224 0236 0321 0362 0388

oil
 0020 0033 0069 0096 0119 0131 0163 0168 0174 0205 0207 0220 0232 0239 0289 0331
 0343 0344 0350 0362 0383 0385

oil shales and tar sands
 0096 0168 0205 0215 0220 0350 0385

other sources
 0151 0220

recovery processes
 0096 0174 0236 0237 0322

SNG
 0152 0174 0344 0350

solar energy
 0207 0220 0232 0236 0385 0406 0413

tidal energy
0207 0311

wind energy
0207 0385

PRODUCTION

biological processes
0054 0109 0134 0299 0308

coal
0023 0029 0033 0083 0120 0165 0167 0205 0207 0225 0229 0270 0288 0350 0364 0382
0414

direct methods
0109 0241 0253 0260 0267 0329

electricity
0002 0028 0037 0066 0089 0090 0095 0120 0136 0155 0225 0229 0236 0241 0244 0257
0261 0270 0272 0273 0285 0286 0287 0288 0328 0329 0346 0347 0362 0369 0383 0405
0413 0414

general
0023 0094 0095 0096 0109 0130 0144 0155 0169 0173 0174 0176 0192 0207 0222 0225
0229 0232 0236 0270 0350 0391 0414

geothermal energy
0109 0205 0207 0222 0225 0236 0413

hydroelectric power
0002 0021 0207 0225 0236 0378 0414

hydrogen
0002 0102 0109 0167 0207 0212 0222 0225 0232 0255 0299 0300 0301 0308 0362

magnetohydrodynamic power
0089 0109 0207 0263

manufactured gas
0008 0102 0109 0120 0167 0205 0207 0225 0229 0255 0299 0414

natural gas
0008 0023 0096 0102 0109 0120 0134 0138 0145 0167 0205 0207 0225 0229 0232 0244
0270 0284 0299 0308 0343 0344 0350 0354 0414

nuclear energy, fission
0002 0021 0033 0066 0089 0133 0169 0205 0207 0212 0222 0232 0236 0272 0273 0287
0288 0321 0362 0383 0388 0392 0413

nuclear energy, plasma, fusion
0002 0089 0133 0207 0212 0236 0272 0287 0288 0388

oil
0023 0066 0096 0098 0109 0119 0134 0138 0144 0145 0167 0205 0207 0225 0229 0232
0241 0244 0261 0270 0343 0344 0350 0354

oil shales and tar sands
0096 0109 0205 0350

other sources
0151 0262 0329

recovery processes
0096 0109 0130 0167 0260

SNG
0008 0109 0167 0344 0350

solar energy
0130 0160 0207 0212 0222 0232 0236 0243 0267 0274 0285 0286 0299 0300 0413

tidal energy
0207 0311 0378

wind energy
0054 0207 0267 0288

REFINING

oil
0066 0098

REFRIGERATING AND AIR CONDITIONING

solar energy
0078

RESEARCH (R & D)

biological processes

0054 0109 0178 0202 0255 0265 0284 0286 0299 0308 0334

coal

0025 0029 0030 0083 0122 0167 0190 0205 0207 0215 0229 0253 0260 0270 0288 0312
0350 0363 0364 0365 0392 0414

direct methods

0109 0158 0201 0202 0203 0255 0273 0279 0288 0329 0355 0402 0405

electricity

0002 0018 0028 0058 0089 0090 0095 0107 0113 0129 0154 0155 0216 0218 0224 0228
0229 0244 0257 0273 0275 0279 0286 0288 0301 0326 0327 0328 0329 0334 0341 0342
0347 0348 0355 0362 0369 0383 0398 0402 0405 0412 0414

general

0028 0044 0045 0046 0047 0048 0049 0056 0060 0077 0094 0095 0107 0108 0109 0121
0122 0140 0155 0169 0173 0174 0176 0193 0194 0205 0207 0213 0215 0216 0217 0218
0222 0224 0228 0229 0232 0242 0253 0258 0268 0270 0283 0288 0289 0290 0329 0336
0337 0350 0355 0358 0367 0405 0414

geothermal energy

0030 0102 0109 0118 0135 0140 0205 0207 0215 0218 0222 0228 0393 0404

hydroelectric power

0002 0058 0073 0135 0207 0218 0228 0348 0369 0378 0414

hydrogen

0002 0102 0107 0109 0113 0143 0158 0167 0207 0212 0218 0222 0232 0233 0253 0255
0286 0299 0300 0301 0308 0334 0362 0392 0393

magnetohydrodynamic power

0089 0109 0158 0207 0216 0218 0257 0263 0355 0405

manufactured gas

0008 0080 0102 0107 0109 0162 0167 0205 0207 0229 0233 0241 0253 0255 0299 0316
0350 0379 0414

natural gas

0008 0030 0102 0107 0109 0113 0138 0143 0159 0167 0190 0205 0207 0218 0229 0232
0233 0244 0270 0284 0289 0299 0313 0315 0316 0344 0350 0379 0381 0414

nuclear energy, fission

0002 0018 0040 0058 0089 0102 0169 0205 0207 0212 0213 0216 0218 0222 0224 0227
0228 0232 0262 0272 0273 0287 0288 0321 0326 0355 0359 0362 0383 0388 0392

nuclear energy, plasma, fusion

0002 0040 0089 0158 0207 0212 0216 0218 0224 0227 0262 0263 0272 0287 0288 0321
0355 0359 0362 0388 0392

oil

0020 0030 0107 0109 0113 0138 0159 0167 0190 0205 0207 0218 0229 0232 0233 0244
0253 0270 0289 0303 0344 0350 0362 0381 0410

oil shales and tar sands

0030 0109 0190 0205 0215

other sources

0107 0262 0329 0340 0405

recovery processes

0102 0107 0109 0143 0158 0167 0169 0227 0229 0253 0255 0273 0286 0288 0293 0310
0322 0323 0329 0334 0337 0342 0362 0372 0376 0379 0390 0405

SNG

0008 0080 0109 0167 0233 0315 0316 0334 0344 0350 0379

solar energy

0018 0062 0073 0078 0079 0107 0118 0127 0129 0143 0148 0158 0160 0196 0201 0203
0207 0212 0218 0222 0228 0232 0243 0265 0267 0273 0274 0285 0286 0299 0300 0308
0325 0334 0361 0372 0374 0375 0379 0392 0393 0405 0406

tidal energy

0058 0118 0135 0207 0218 0311 0334 0378

wind energy
 0054 0058 0073 0118 0129 0135 0158 0196 0204 0207 0218 0257 0261 0265 0267 0273
 0286 0288 0334 0379 0402

wood and plants
 0118 0178

STANDARDIZATION

electricity
 0014

STANDARDS

general
 0197

STATISTICS

biological processes
 0134

coal
 0015 0023 0025 0029 0033 0064 0072 0083 0084 0112 0122 0141 0150 0155 0164 0174
 0190 0207 0208 0219 0220 0225 0229 0231 0240 0289 0331 0332 0336 0364 0414 0415

electricity
 0033 0037 0072 0106 0112 0141 0150 0155 0164 0174 0206 0216 0219 0220 0225 0228
 0229 0231 0236 0237 0240 0273 0275 0328 0331 0332 0336 0341 0362 0369 0383 0402
 0412 0413 0414 0415

general
 0023 0042 0082 0099 0112 0124 0142 0150 0155 0174 0177 0184 0185 0187 0189 0194
 0206 0207 0216 0217 0219 0220 0225 0228 0229 0236 0237 0242 0271 0289 0330 0331
 0336 0337 0339 0350 0362 0367 0391 0394 0402 0414 0415 0416

geothermal energy
 0135 0207 0208 0219 0220 0225 0228 0231 0236

hydroelectric power
 0072 0106 0135 0150 0207 0219 0220 0225 0228 0231 0236 0237 0336 0414 0415

hydrogen
 0207 0225

magnetohydrodynamic power
 0207 0216

manufactured gas
 0019 0033 0072 0080 0112 0150 0152 0155 0164 0174 0207 0208 0209 0225 0229 0231
 0239 0240 0336 0414 0415

natural gas
 0019 0023 0033 0072 0086 0103 0112 0134 0138 0141 0146 0150 0152 0155 0164 0174
 0190 0207 0208 0209 0219 0220 0225 0229 0231 0239 0240 0267 0289 0331 0332 0336
 0343 0354 0414 0415

nuclear energy, fission
 0033 0150 0155 0174 0206 0207 0208 0216 0220 0228 0236 0273 0321 0336 0383 0388

nuclear energy, plasma, fusion
 0206 0207 0216 0220 0236 0321 0388

oil
 0020 0023 0033 0072 0086 0098 0112 0119 0131 0134 0138 0141 0142 0146 0150 0155
 0163 0164 0174 0177 0190 0207 0208 0219 0220 0225 0229 0231 0239 0240 0267 0275
 0289 0331 0332 0336 0343 0354 0415

oil shales and tar sands

0190 0219 0220

other sources

0150 0151 0220

recovery processes

0150 0174 0208 0229 0236 0237 0273 0322 0323 0376

SNG

0080 0150 0152 0155 0174

solar energy

0206 0207 0219 0220 0228 0236

tidal energy

0135 0207 0219 0311

wind energy

0135 0207 0219 0402

TECHNICAL CONSULTANCY

biological processes

0109 0334

coal

0029 0083 0084 0141 0165 0190 0208 0215 0229 0270 0312 0364

direct methods

0109 0243 0270 0273 0279 0402 0405

electricity

0022 0028 0058 0090 0141 0154 0155 0156 0171 0174 0216 0229 0236 0237 0270 0273
0279 0334 0342 0362 0369 0402 0405

general

0082 0109 0130 0132 0140 0144 0155 0169 0174 0196 0215 0216 0222 0229 0236 0237
0243 0270 0282 0290 0334 0344 0349 0362 0366 0368 0385 0402 0405

geothermal energy

0109 0135 0140 0208 0215 0222 0236

hydroelectric power

0058 0135 0236 0237 0317 0348 0378

hydrogen

0109 0143 0212 0222 0233 0334

magnetohydrodynamic power

0109 0216 0405

manufactured gas

0008 0080 0085 0102 0109 0167 0208 0229 0233 0379 0400

natural gas

0008 0022 0085 0102 0103 0109 0141 0143 0145 0156 0159 0167 0190 0208 0229 0233
0243 0270 0313 0343 0344 0354 0379

nuclear energy, fission

0058 0169 0208 0212 0216 0222 0227 0236 0273 0287 0321

nuclear energy, plasma, fusion

0212 0216 0227 0236

oil

0009 0022 0109 0141 0144 0145 0159 0190 0208 0229 0233 0270 0343 0344 0354 0400

oil shales and tar sands

0109 0190 0215

other sources

0151 0405

recovery processes

0109 0130 0143 0171 0208 0227 0229 0237 0273 0293 0322 0323 0334 0338 0342 0372
0379 0401 0402 0405

SNG

0008 0080 0109 0167 0233 0334 0344 0379

solar energy

0130 0143 0212 0222 0236 0243 0267 0325 0334 0379 0405 0406

tidal energy
0058 0135 0311 0334 0378
wind energy
0058 0135 0267 0334 0379 0402

TRAINING AND EDUCATION

biological processes
0109 0299 0308 0334
coal
0029 0083 0167 0208 0215 0229 0358 0364
direct methods
0109 0158 0273
electricity
0002 0028 0037 0058 0105 0129 0229 0257 0273 0285 0334 0341 0348 0358 0369 0383
0402
general
0046 0068 0077 0108 0109 0117 0155 0169 0173 0215 0222 0229 0290 0324 0334 0344
0350 0358 0362 0366
geothermal energy
0109 0208 0215 0222 0404
hydroelectric power
0002 0058 0348 0369 0378
hydrogen
0002 0109 0167 0212 0222 0233 0300 0308 0334
magnetohydrodynamic power
0109 0257
manufactured gas
0008 0109 0152 0167 0208 0229 0233 0379 0400
natural gas
0008 0109 0152 0159 0167 0208 0229 0233 0343 0344 0354 0358 0379
nuclear energy, fission
0002 0058 0133 0169 0208 0212 0222 0273 0321 0359 0383 0388 0392
nuclear energy, plasma, fusion
0002 0133 0158 0212 0321 0359 0388
oil
0009 0109 0159 0167 0208 0229 0233 0343 0344 0354 0358 0400
oil shales and tar sands
0109 0215
other sources
0105
recovery processes
0109 0167 0208 0229 0334 0358 0372 0376 0379
SNG
0008 0109 0152 0167 0233 0334 0379
solar energy
0079 0129 0148 0212 0222 0285 0299 0300 0308 0334 0358 0406
tidal energy
0058 0334 0378
wind energy
0058 0129 0257 0334 0402

TRANSPORT AND STORAGE

biological processes
0109 0134 0255
coal
0029 0036 0083 0120 0126 0165 0207 0215 0220 0229 0288 0297 0317 0331 0339 0364
0414

direct methods

0109

electricity

0002 0028 0033 0037 0058 0120 0220 0229 0257 0267 0273 0286 0288 0301 0329 0331
0334 0362 0369 0398 0402 0413 0414

general

0036 0060 0077 0082 0109 0173 0174 0186 0189 0192 0207 0215 0220 0229 0288 0331
0334 0344 0350 0362 0391 0414

geothermal energy

0109 0135 0207 0215 0413

hydroelectric power

0058 0135 0207 0220 0414

hydrogen

0033 0036 0102 0109 0143 0158 0207 0212 0255 0301 0334 0362 0392

magnetohydrodynamic power

0109 0207

manufactured gas

0008 0019 0036 0102 0109 0120 0126 0207 0229 0239 0339 0400 0414

natural gas

0008 0019 0033 0102 0103 0109 0120 0126 0134 0137 0138 0143 0207 0220 0229 0239
0288 0313 0331 0336 0339 0343 0344 0350 0354 0381 0414

nuclear energy, fission

0002 0058 0207 0212 0220 0241 0273 0287 0288 0321 0359 0362 0383 0388 0413

nuclear energy, plasma, fusion

0002 0207 0212 0220 0388

oil

0020 0033 0036 0109 0119 0126 0131 0134 0138 0139 0207 0220 0229 0239 0241 0288
0317 0331 0336 0343 0344 0350 0354 0381 0400 0410

oil shales and tar sands

0036 0109 0215 0220

other sources

0151 0220

recovery processes

0109 0143 0334

SNG

0008 0109 0334 0344

solar energy

0062 0079 0143 0160 0207 0212 0243 0265 0286 0334 0406 0413

tidal energy

0058 0135 0207 0311

wind energy

0058 0135 0207 0265

wood and plants

0036

TRANSPORT POLICY AND TECHNOLOGY

electricity

0147 0257 0333

general

0147 0259

oil

0147 0333

UTILIZATION

coal

0063 0072 0402

electricity
0012 0022 0028 0072 0105 0113 0347 0402

general
0082 0108 0136 0141 0402

hydroelectric power
0072

hydrogen
0113

manufactured gas
0063 0072 0085 0402

natural gas
0022 0063 0072 0085 0113 0402

oil
0022 0063 0072 0113 0402

other sources
0063 0105

recovery processes
0402

SNG
0402

WAVE ENERGY

electricity
0247

hydroelectric power
0317

other sources
0340

tidal energy
0247

II. AREAS/MAIN ACTIVITIES

BIOLOGICAL PROCESSES

application of recent technology
0109

assessment and evaluation
0109 0178 0299 0334

conservation
0109 0265

economic factors
0109 0134 0255

exploitation and development of resources
0109 0134 0178 0264 0265 0284 0299

forecasting
0109

general
0178 0199 0246 0249 0259 0269 0281 0282

health and safety
0033

legislation and regulation
0109

marketing and distribution
0109 0134

methodology, systems modeling
0109 0299 0334

production
0054 0109 0134 0299 0308

research (R & D)
0054 0109 0178 0202 0255 0265 0284 0286 0299 0308 0334

statistics
0134

technical consultancy
0109 0334

training and education
0109 0299 0308 0334

transport and storage
0109 0134 0255

COAL

application of recent technology
0025 0029 0063 0165 0167 0190 0205 0207 0215 0229 0270 0364

assessment and evaluation
0033 0174 0178 0190 0205 0208 0215 0220 0226 0273 0358 0402

conservation
0033 0083 0165 - 0167 0174 0207 0208 0215 0220 0229 0270 0331 0358 0360 0364 0382
0402 0414

economic factors
0006 0015 0029 0033 0064 0072 0084 0112 0120 0141 0171 0174 0190 0205 0207 0215
0226 0260 0273 0288 0289 0331 0350 0362 0414

exploitation and development of resources
0023 0025 0029 0033 0063 0070 0083 0165 0178 0190 0205 0207 0215 0226 0229 0278
0288 0364 0382 0385 0386 0392 0414

forecasting
0015 0029 0033 0063 0064 0072 0083 0084 0155 0174 0190 0207 0220 0226 0229 0231
0267 0273 0331 0350 0364 0382 0383 0402 0414

general
0023 0029 0033 0168 0178 0182 0252 0280 0292 0297 0314 0364 0387 0402

geological surveys
0352

health and safety
0024 0025 0029 0033 0083 0122 0165 0167 0207 0208 0215 0229 0364 0377 0392

legislation and regulation
0029 0033 0064 0120 0122 0168 0174 0331 0336

marketing and distribution
0029 0033 0084 0207 0226 0331 0364 0382 0414

methodology, systems modeling
0029 0083 0165 0167 0207 0215 0220 0226 0229 0362 0364 0402 0414

planning and management
0029 0063 0064 0072 0083 0084 0207 0273 0331 0350 0362 0364 0383

policy formulation
0029 0033 0064 0083 0120 0168 0174 0205 0207 0215 0220 0331 0350 0362 0364 0383

production
0023 0029 0033 0083 0120 0165 0167 0205 0207 0225 0229 0270 0288 0350 0364 0382
0414

research (R & D)
0025 0029 0030 0083 0122 0167 0190 0205 0207 0215 0229 0253 0260 0270 0288 0312
0350 0363 0364 0365 0392 0414

assessment and evaluation

0014 0033 0058 0113 0156 0174 0206 0216 0220 0224 0226 0273 0279 0328 0329 0334
0358 0362 0369 0402 0412

conservation

0022 0171 0174 0220 0228 0229 0236 0237 0270 0273 0279 0328 0331 0341 0358 0360
0369 0383 0402 0414

economic factors

0006 0026 0033 0058 0072 0105 0106 0112 0120 0141 0162 0171 0174 0206 0224 0226
0228 0236 0273 0275 0288 0294 0328 0331 0341 0362 0369 0383 0398 0402 0413 0414

environment

0249

exploitation and development of resources

0028 0037 0058 0226 0229 0264 0278 0279 0288 0383 0414

forecasting

0033 0058 0072 0155 0174 0206 0216 0220 0224 0226 0228 0229 0231 0236 0267 0273
0275 0294 0328 0331 0341 0350 0362 0369 0383 0402 0412 0414

general

0001 0021 0033 0156 0168 0195 0210 0248 0249 0250 0251 0254 0256 0269 0277 0282
0292 0305 0356 0387 0402

health and safety

0026 0028 0033 0037 0105 0129 0216 0229 0273 0329 0341 0369 0383 0402

legislation and regulation

0026 0033 0037 0105 0106 0120 0129 0168 0174 0224 0236 0237 0273 0331 0336 0362
0369 0383 0413

marketing and distribution

0028 0033 0037 0095 0226 0236 0273 0328 0331 0341 0369 0383 0413 0414

methodology, systems modeling

0028 0058 0136 0216 0220 0226 0229 0273 0275 0329 0334 0362 0369 0383 0385 0402
0405 0414

planning and management

0058 0072 0206 0273 0328 0331 0341 0349 0362 0369 0383 0413

policy formulation

0033 0037 0120 0168 0174 0216 0220 0224 0236 0237 0273 0294 0331 0341 0362 0369
0383 0385 0413

production

0002 0028 0037 0066 0089 0090 0095 0120 0136 0155 0225 0229 0236 0241 0244 0257
0261 0270 0272 0273 0285 0286 0287 0288 0328 0329 0346 0347 0362 0369 0383 0405
0413 0414

research (R & D)

0002 0018 0028 0058 0089 0090 0095 0107 0113 0129 0154 0155 0216 0218 0224 0228
0229 0244 0257 0273 0275 0279 0286 0288 0301 0326 0327 0328 0329 0334 0341 0342
0347 0348 0355 0362 0369 0383 0398 0402 0405 0412 0414

standardization

0014

statistics

0033 0037 0072 0106 0112 0141 0150 0155 0164 0174 0206 0216 0219 0220 0225 0228
0229 0231 0236 0237 0240 0273 0275 0328 0331 0332 0336 0341 0362 0369 0383 0402
0412 0413 0414 0415

technical consultancy

0022 0028 0058 0090 0141 0154 0155 0156 0171 0174 0216 0229 0236 0237 0270 0273
0279 0334 0342 0362 0369 0402 0405

training and education

0002 0028 0037 0058 0105 0129 0229 0257 0273 0285 0334 0341 0348 0358 0369 0383
0402

transport and storage

0002 0028 0033 0037 0058 0120 0220 0229 0257 0267 0273 0286 0288 0301 0329 0331
0334 0362 0369 0398 0402 0413 0414

transport policy and technology

0147 0257 0333

utilization

0012 0022 0028 0072 0105 0113 0347 0402

wave energy

0247

GENERAL

application of recent technology

0077 0082 0095 0096 0107 0108 0109 0132 0140 0144 0149 0155 0169 0173 0174 0192
0207 0215 0222 0228 0229 0236 0270 0337 0350 0362 0369 0391 0416

assessment and evaluation

0039 0046 0052 0060 0077 0104 0108 0109 0121 0132 0169 0173 0174 0189 0194 0206
0215 0216 0220 0222 0224 0226 0242 0273 0289 0290 0301 0320 0332 0334 0336 0339
0344 0358 0362 0366 0368 0386 0391 0402 0416

conservation

0010 0033 0041 0044 0048 0049 0056 0060 0077 0104 0108 0109 0117 0155 0171 0173
0174 0177 0196 0207 0215 0220 0222 0228 0229 0232 0236 0237 0270 0324 0331 0332
0335 0336 0344 0350 0358 0362 0366 0367 0368 0386 0389 0389 0390 0391 0393 0402
0414 0416

earth and atmospheric sciences

0193

economic factors

0006 0038 0039 0045 0046 0050 0055 0056 0068 0077 0082 0092 0094 0096 0109 0112
0130 0132 0140 0155 0171 0173 0174 0177 0179 0180 0184 0187 0189 0194 0205 0206
0207 0215 0222 0224 0226 0228 0236 0242 0260 0271 0273 0288 0289 0290 0294 0331
0332 0336 0339 0344 0362 0366 0386 0391 0402 0414 0416

electric equipments

0018

Energy consumption

0099 0142 0149

exploitation and development of resources

0023 0039 0050 0077 0094 0096 0109 0173 0183 0189 0192 0207 0215 0226 0229 0278
0391 0414

forecasting

0033 0038 0045 0052 0060 0068 0077 0082 0088 0092 0109 0115 0121 0130 0140 0155
0173 0176 0184 0189 0192 0194 0206 0207 0216 0217 0220 0224 0226 0228 0229 0232
0236 0242 0271 0286 0289 0290 0294 0324 0331 0339 0344 0362 0368 0386 0391 0402
0414 0416

general

0023 0027 0032 0034 0053 0097 0123 0176 0188 0198 0199 0221 0249 0250 0252 0258
0264 0266 0268 0276 0278 0280 0282 0289 0290 0291 0292 0304 0307 0309 0318 0320
0332 0350 0351 0358 0368 0369 0371 0402 0407 0416

health and safety

0046 0060 0121 0122 0169 0177 0189 0207 0215 0216 0222 0229 0320 0344 0350 0358
0362

legislation and regulation

0052 0060 0076 0092 0093 0094 0109 0117 0122 0168 0174 0177 0187 0189 0191 0192
0197 0224 0236 0237 0331 0336 0344 0350 0362 0391

marketing and distribution

0033 0077 0095 0109 0140 0171 0207 0222 0226 0236 0331 0339 0344 0350 0391 0411
0414

methodology, systems modeling

0045 0072 0077 0108 0109 0132 0169 0173 0174 0176 0194 0207 0215 0216 0220 0226
0229 0254 0275 0279 0283 0286 0290 0299 0301 0324 0334 0344 0350 0362 0366 0393
0402 0414

patents

0191

planning and management

0038 0060 0077 0082 0088 0092 0094 0103 0115 0117 0130 0132 0140 0169 0173 0176
0189 0206 0207 0222 0232 0266 0271 0273 0283 0289 0331 0332 0336 0339 0344 0358
0362 0366 0389 0391 0416

policy formulation

0033 0052 0060 0082 0088 0092 0093 0094 0096 0108 0115 0117 0162 0168 0173 0174
0176 0189 0192 0205 0207 0215 0216 0220 0224 0232 0236 0237 0271 0283 0289 0294
0324 0331 0336 0339 0344 0358 0362 0367 0368 0369 0386 0389 0391 0403 0416

production

0023 0094 0095 0096 0109 0130 0144 0155 0169 0173 0174 0176 0192 0207 0222 0225
0229 0232 0236 0270 0350 0391 0414

research (R & D)

0028 0044 0045 0046 0047 0048 0049 0056 0060 0077 0094 0095 0107 0108 0109 0121
0122 0140 0155 0169 0173 0174 0176 0193 0194 0205 0207 0213 0215 0216 0217 0218
0222 0224 0228 0229 0232 0242 0253 0258 0268 0270 0283 0288 0289 0290 0329 0336
0337 0350 0355 0358 0367 0405 0414

standards

0197

statistics

0023 0042 0082 0099 0112 0124 0142 0150 0155 0174 0177 0184 0185 0187 0189 0194
0206 0207 0216 0217 0219 0220 0225 0228 0229 0236 0237 0242 0271 0289 0330 0331
0336 0337 0339 0350 0362 0367 0391 0394 0402 0414 0415 0416

technical consultancy

0082 0109 0130 0132 0140 0144 0155 0169 0174 0196 0215 0216 0222 0229 0236 0237
0243 0270 0282 0290 0334 0344 0349 0362 0366 0368 0385 0402 0405

training and education

0046 0068 0077 0108 0109 0117 0155 0169 0173 0215 0222 0229 0290 0324 0334 0344
0350 0358 0362 0366

transport and storage

0036 0060 0077 0082 0109 0173 0174 0186 0189 0192 0207 0215 0220 0229 0288 0331
0334 0344 0350 0362 0391 0414

transport policy and technology

0147 0259

utilization

0082 0108 0136 0141 0402

GEOHERMAL ENERGY

application of recent technology

0109 0118 0135 0140 0205 0207 0215 0222 0228 0236 0404 0413

assessment and evaluation

0109 0135 0205 0208 0215 0220 0222 0226 0383

conservation

0109 0207 0208 0215 0220 0222 0228 0236

economic factors

0109 0118 0135 0140 0205 0207 0215 0222 0226 0228 0236 0362 0413

exploitation and development of resources

0070 0109 0118 0135 0205 0207 0215 0226 0383 0385 0404

forecasting

0109 0135 0140 0207 0220 0226 0228 0231 0236

general

0033 0087 0282 0292 0302

health and safety

0207 0208 0215 0222

legislation and regulation

0109 0118 0236 0404

marketing and distribution

0109 0140 0207 0222 0226

methodology, systems modeling

0109 0207 0215 0220 0226 0404

planning and management

0135 0140 0207 0222 0413

policy formulation

0205 0207 0215 0220 0236 0413

production

0109 0205 0207 0222 0225 0236 0413

research (R & D)

0030 0102 0109 0118 0135 0140 0205 0207 0215 0218 0222 0228 0393 0404

statistics

0135 0207 0208 0219 0220 0225 0228 0231 0236

technical consultancy

0109 0135 0140 0208 0215 0222 0236

training and education

0109 0208 0215 0222 0404

transport and storage

0109 0135 0207 0215 0413

HYDROELECTRIC POWER

application of recent technology
0058 0135 0207 0228 0236 0348 0369

assessment and evaluation
0058 0135 0220 0226 0362 0369 0378

conservation
0033 0207 0220 0228 0236 0237 0414

economic factors
0058 0072 0106 0135 0207 0226 0228 0236 0362 0369 0378 0414

exploitation and development of resources
0033 0058 0135 0207 0226 0369 0378 0383 0414

forecasting
0033 0058 0072 0135 0207 0220 0226 0228 0231 0236 0414

general
0033 0125 0168 0195 0378 0387

health and safety
0033 0207

legislation and regulation
0106 0168 0236 0237 0369

marketing and distribution
0207 0226 0236 0414

methodology, systems modeling
0058 0207 0220 0226 0348 0362 0369 0414

planning and management
0058 0072 0135 0207 0362 0369 0383

policy formulation
0033 0168 0207 0220 0236 0237 0362 0369 0383

production
0002 0021 0207 0225 0236 0378 0414

research (R & D)
0002 0058 0073 0135 0207 0218 0228 0348 0369 0378 0414

research (R & D) on wave energy
0317

statistics
0072 0106 0135 0150 0207 0219 0220 0225 0228 0231 0236 0237 0336 0414 0415

technical consultancy
0058 0135 0236 0237 0317 0348 0378

training and education
0002 0058 0348 0369 0378

transport and storage
0058 0135 0207 0220 0414

utilization
0072

HYDROGEN

application of recent technology
0102 0107 0109 0143 0162 0167 0222 0233

assessment and evaluation
0109 0113 0222 0253 0334 0362 0383 0402

conservation
0109 0167 0222 0232 0233

economic factors
0109 0207 0222 0255 0362 0385

exploitation and development of resources
0102 0109 0207 0212 0362

forecasting
0109 0158 0207 0232 0362

general
0033 0248 0276 0282 0292 0306

health and safety
0033 0167 0207 0212 0222 0233

legislation and regulation
0109 0143

marketing and distribution
0109 0222 0362

methodology, systems modeling
0109 0167 0207 0212 0286 0334 0362 0385

planning and management
0207 0222 0232 0362

policy formulation
0207 0232 0362 0385

production
0002 0102 0109 0167 0207 0212 0222 0225 0232 0255 0299 0300 0301 0308 0362

research (R & D)
0002 0102 0107 0109 0113 0143 0158 0167 0207 0212 0218 0222 0232 0233 0253 0255
0286 0299 0300 0301 0308 0334 0362 0392 0393

statistics
0207 0225

technical consultancy
0109 0143 0212 0222 0233 0334

training and education
0002 0109 0167 0212 0222 0233 0300 0308 0334

transport and storage
0033 0036 0102 0109 0143 0158 0207 0212 0255 0301 0334 0362 0392

utilization
0113

MAGNETOHYDRODYNAMIC POWER

application of recent technology
0109 0207

assessment and evaluation
0109 0216 0329 0383

conservation
0109 0207

economic factors
0109 0207

exploitation and development of resources
0109 0207 0257

forecasting
0109 0207 0216

general
0087 0305

health and safety
0207 0216

legislation and regulation
0109

marketing and distribution
0109 0207

methodology, systems modeling
0109 0207 0216

planning and management
0207

policy formulation
 0207 0216
 production
 0089 0109 0207 0263
 research (R & D)
 0089 0109 0158 0207 0216 0218 0257 0263 0355 0405
 statistics
 0207 0216
 technical consultancy
 0109 0216 0405
 training and education
 0109 0257
 transport and storage
 0109 0207

MANUFACTURED GAS

application of recent technology
 0008 0063 0102 0107 0109 0162 0167 0205 0207 0233 0241 0316 0379
 assessment and evaluation
 0008 0033 0080 0109 0174 0205 0208 0239 0316 0402
 conservation
 0008 0033 0109 0167 0174 0207 0208 0229 0233 0239 0360 0414
 economic factors
 0019 0033 0072 0085 0109 0112 0120 0152 0171 0174 0205 0207 0255 0350 0414
 exploitation and development of resources
 0063 0102 0109 0205 0207 0229 0414
 forecasting
 0033 0063 0072 0109 0152 0155 0174 0207 0229 0231 0239 0350 0414
 general
 0019 0029 0033 0168 0221 0259 0276 0292 0296 0306 0314 0357 0402
 health and safety
 0008 0033 0167 0207 0208 0229 0233 0316
 legislation and regulation
 0033 0085 0109 0120 0152 0168 0174 0239 0336
 marketing and distribution
 0085 0102 0109 0152 0207 0209 0239 0400 0414
 methodology, systems modeling
 0109 0167 0207 0229 0414
 planning and management
 0063 0072 0152 0207
 policy formulation
 0033 0120 0152 0168 0174 0205 0207 0239 0350
 production
 0008 0102 0109 0120 0167 0205 0207 0225 0229 0255 0299 0414
 research (R & D)
 0008 0080 0102 0107 0109 0162 0167 0205 0207 0229 0233 0241 0253 0255 0299 0316
 0350 0379 0414
 statistics
 0019 0033 0072 0080 0112 0150 0152 0155 0164 0174 0207 0208 0209 0225 0229 0231
 0239 0240 0336 0414 0415
 technical consultancy
 0008 0080 0085 0102 0109 0167 0208 0229 0233 0379 0400
 training and education
 0008 0109 0152 0167 0208 0229 0233 0379 0400
 transport and storage
 0008 0019 0036 0102 0109 0120 0126 0207 0229 0239 0339 0400 0414
 utilization
 0063 0072 0085 0402

NATURAL GAS

application of recent technology

0008 0063 0096 0102 0103 0107 0109 0138 0143 0145 0159 0167 0190 0205 0207 0229
0233 0270 0316 0343 0344 0369 0379 0381

assessment and evaluation

0008 0033 0109 0113 0156 0174 0190 0205 0208 0220 0226 0239 0267 0273 0289 0316
0343 0344 0349 0354 0358 0381 0402

conservation

0008 0022 0033 0109 0145 0167 0174 0207 0208 0220 0229 0232 0233 0239 0243 0270
0279 0293 0331 0344 0354 0358 0360 0402 0414

economic factors

0019 0026 0033 0072 0085 0096 0109 0112 0120 0134 0141 0152 0171 0174 0190 0205
0207 0226 0260 0267 0273 0288 0289 0331 0343 0344 0349 0350 0354 0362 0414

exploitation and development of resources

0023 0063 0070 0096 0102 0109 0134 0138 0190 0205 0207 0226 0229 0244 0278 0284
0336 0343 0349 0350 0354 0385 0386 0414

forecasting

0033 0063 0072 0103 0109 0152 0155 0174 0190 0207 0220 0226 0229 0231 0232 0239
0267 0273 0289 0331 0343 0344 0350 0383 0402 0414

general

0019 0023 0029 0033 0168 0181 0221 0230 0246 0252 0276 0280 0292 0306 0314 0343
0357 0387 0402

health and safety

0008 0026 0033 0167 0207 0208 0229 0233 0316 0344 0354

legislation and regulation

0019 0026 0033 0069 0076 0085 0109 0120 0143 0152 0168 0174 0239 0331 0336 0343
0344 0354

marketing and distribution

0033 0085 0102 0103 0109 0134 0137 0152 0207 0209 0226 0239 0331 0343 0344 0354
0414

methodology, systems modeling

0103 0109 0167 0207 0220 0226 0229 0343 0344 0349 0402 0414

planning and management

0063 0072 0152 0207 0232 0273 0289 0331 0343 0344 0349 0362 0383

policy formulation

0033 0069 0096 0120 0152 0168 0174 0205 0207 0220 0232 0239 0289 0331 0343 0344
0350 0362 0383

production

0008 0023 0096 0102 0109 0120 0134 0138 0145 0167 0205 0207 0225 0229 0232 0244
0270 0284 0299 0308 0343 0344 0350 0354 0414

research (R & D)

0008 0030 0102 0107 0109 0113 0138 0143 0159 0167 0190 0205 0207 0218 0229 0232
0233 0244 0270 0284 0289 0299 0313 0315 0316 0344 0350 0379 0381 0414

statistics

0019 0023 0033 0072 0086 0103 0112 0134 0138 0141 0146 0150 0152 0155 0164 0174
0190 0207 0208 0209 0219 0220 0225 0229 0231 0239 0240 0267 0289 0331 0332 0336
0343 0354 0414 0415

technical consultancy

0008 0022 0085 0102 0103 0109 0141 0143 0145 0156 0159 0167 0190 0208 0229 0233
0243 0270 0313 0343 0344 0354 0379

training and education

0008 0109 0152 0159 0167 0208 0229 0233 0343 0344 0354 0358 0379

transport and storage

0008 0019 0033 0102 0103 0109 0120 0126 0134 0137 0138 0143 0207 0220 0229 0239
0288 0313 0331 0336 0339 0343 0344 0350 0354 0381 0414

utilization

0022 0063 0072 0085 0113 0402

NUCLEAR ENERGY, FISSION

application of recent technology

0058 0162 0169 0205 0207 0222 0228 0236 0273 0287 0288 0321 0369 0383 0388 0392
0413

health and safety	0040	0122	0133	0207	0212	0216	0320	0321	0329	0359	0388					
legislation and regulation	0214	0224	0236	0321	0359	0362	0388	0396								
marketing and distribution	0207															
methodology, systems modeling	0207	0212	0216	0220	0287	0321	0362	0388								
planning and management	0133	0206	0207	0321	0359	0362	0388									
policy formulation	0133	0207	0216	0220	0224	0236	0321	0362	0388							
production	0002	0089	0133	0207	0212	0236	0272	0287	0288	0388						
research (R & D)	0002	0040	0089	0158	0207	0212	0216	0218	0224	0227	0262	0263	0272	0287	0288	0321
	0355	0359	0362	0388	0392											
statistics	0206	0207	0216	0220	0236	0321	0388									
technical consultancy	0212	0216	0227	0236												
training and education	0002	0133	0158	0212	0321	0359	0388									
transport and storage	0002	0207	0212	0220	0388											

OIL

application of recent technology	0063	0096	0107	0109	0138	0144	0145	0159	0167	0190	0205	0207	0229	0233	0241	0261
	0270	0344	0369	0381												
assessment and evaluation	0033	0109	0113	0174	0190	0205	0208	0220	0226	0239	0267	0273	0289	0343	0344	0349
	0350	0354	0358	0381	0402											
conservation	0020	0022	0033	0109	0145	0167	0174	0177	0207	0208	0220	0229	0232	0233	0239	0243
	0270	0293	0303	0331	0344	0349	0354	0358	0360	0385	0402					
economic factors	0020	0033	0072	0096	0098	0109	0112	0119	0134	0141	0163	0171	0174	0177	0190	0205
	0207	0226	0241	0260	0267	0273	0275	0288	0289	0331	0343	0344	0349	0350	0354	0362
	0385															
energy consumption	0142															
exploitation and development of resources	0023	0063	0070	0096	0109	0119	0134	0138	0190	0205	0207	0226	0229	0244	0253	0278
	0336	0343	0349	0350	0354	0385	0386									
forecasting	0020	0033	0063	0072	0109	0119	0155	0163	0174	0190	0207	0220	0226	0229	0231	0232
	0239	0267	0273	0275	0289	0331	0343	0344	0350	0383	0402					
general	0009	0023	0033	0168	0221	0230	0238	0252	0280	0292	0305	0343	0387	0402	0409	
geological surveys	0352															
health and safety	0020	0033	0167	0177	0207	0208	0229	0233	0344	0354						
legislation and regulation	0020	0033	0069	0076	0109	0119	0168	0174	0177	0239	0331	0336	0343	0344	0350	0354
	0410															
marketing and distribution	0020	0033	0109	0119	0134	0207	0226	0239	0331	0343	0344	0354	0362	0400		

methodology, systems modeling
0109 0167 0207 0220 0226 0229 0343 0344 0362 0385 0402

planning and management
0020 0063 0072 0119 0207 0232 0273 0289 0331 0343 0344 0349 0350 0362 0383

policy formulation
0020 0033 0069 0096 0119 0131 0163 0168 0174 0205 0207 0220 0232 0239 0289 0331
0343 0344 0350 0362 0383 0385

production
0023 0066 0096 0098 0109 0119 0134 0138 0144 0145 0167 0205 0207 0225 0229 0232
0241 0244 0261 0270 0343 0344 0350 0354

refining
0066 0098

research (R & D)
0020 0030 0107 0109 0113 0138 0159 0167 0190 0205 0207 0218 0229 0232 0233 0244
0253 0270 0289 0303 0344 0350 0362 0381 0410

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0011 0016 0087 0110 0165 0207 0305 0356

manufactured gas
0005 0011 0016 0019 0029 0033 0035 0102 0110 0157 0161 0165 0168 0172 0207 0241
0255 0259 0276 0288 0292 0296 0306 0314 0357

natural gas
0005 0011 0016 0019 0023 0029 0033 0086 0102 0110 0157 0161 0165 0168 0172 0181
0190 0207 0230 0241 0246 0252 0276 0280 0288 0289 0292 0306 0314 0343 0345 0357
0362 0380

nuclear energy, fission
0002 0005 0011 0016 0033 0061 0087 0157 0165 0168 0169 0200 0207 0241 0251 0256
0277 0282 0288 0289 0292 0298 0305 0320 0356 0362 0388

nuclear energy, plasma, fusion
0002 0011 0016 0033 0061 0087 0207 0288 0292 0295 0320 0356 0362 0388

oil
0005 0009 0011 0016 0023 0033 0086 0110 0157 0161 0165 0168 0172 0190 0207 0230
0241 0252 0280 0288 0289 0292 0305 0343 0345 0362 0380

oil shales and tar sands
0110 0157 0161 0165 0168 0190 0292 0345

other sources
0252 0292

recovery processes
0102 0110 0169 0172 0241 0245 0249 0250 0251 0255 0256 0259 0269 0276 0281 0282
0288 0292 0296 0306 0322 0334 0337 0338 0345 0362 0390

SNG
0016 0157 0161 0165 0276 0292 0306 0314 0334 0357

solar energy
0005 0011 0016 0033 0087 0169 0172 0196 0199 0207 0241 0245 0249 0251 0254 0256
0281 0282 0305 0325 0334 0345 0356 0362 0395

tidal energy
0011 0016 0207 0247 0334 0356 0378 0395

wind energy
0011 0016 0033 0207 0247 0248 0254 0282 0288 0305 0334 0356 0395 0402

wood and plants
0005 0178 0241 0269 0282 0292 0296

GEOLOGICAL SURVEYS

coal
0352

oil
0352

HEALTH AND SAFETY

biological processes
0033

coal
0024 0030 0033 0083 0122 0165 0208 0215 0229 0364 0377 0387 0392

electricity
0028 0033 0037 0074 0129 0166 0206 0216 0224 0229 0273 0328 0369 0383 0387 0402

general
0003 0004 0016 0046 0060 0071 0074 0108 0111 0165 0169 0177 0189 0205 0206 0215
0216 0224 0229 0318 0320 0344 0350 0362

geothermal energy
0208 0215

hydroelectric power
0033 0387

hydrogen
0033 0212

magnetohydrodynamic power
0067 0216

manufactured gas
0008 0013 0033 0208 0209 0229 0239

natural gas
0008 0013 0033 0111 0208 0209 0229 0239 0344 0354 0370 0387

nuclear energy, fission
0005 0033 0040 0067 0169 0206 0208 0212 0216 0224 0273 0320 0321 0326 0359 0362
0383 0387 0392

nuclear energy, plasma, fusion
0040 0067 0206 0212 0216 0224 0320 0321 0359 0387

oil
0033 0111 0177 0208 0229 0239 0344 0345 0354 0370 0387

oil shales and tar sands
0215

recovery processes
0033 0208 0229 0370 0376 0387

SNG
0008 0013

solar energy
0129 0206 0212

wind energy
0129

HEATPUMP

solar energy
0251

IN-SERVICE INSPECTION AND MONITORING

general

0003

INSURANCE

general

0004

LEGISLATION AND REGULATION

coal

0033 0063 0122 0126 0141 0165 0168 0205 0211 0219 0226

electricity

0033 0037 0105 0106 0129 0141 0168 0206 0211 0219 0224 0226 0228 0236 0237 0273
0362 0369 0383

general

0016 0017 0052 0060 0065 0075 0076 0077 0081 0082 0093 0094 0096 0097 0100 0108
0111 0168 0189 0191 0192 0197 0205 0206 0211 0219 0222 0224 0226 0228 0236 0237
0336 0344 0350 0362 0403

geothermal energy

0111 0205 0219 0222 0226 0228 0236

hydroelectric power

0106 0168 0211 0219 0226 0228 0236 0237 0369

hydrogen

0111 0222

manufactured gas

0033 0063 0085 0126 0168 0205 0239

natural gas

0033 0063 0069 0076 0085 0086 0111 0126 0141 0168 0205 0211 0219 0226 0239 0344
0354 0370

nuclear energy, fission

0033 0168 0205 0206 0214 0222 0224 0226 0228 0236 0273 0321 0359 0362 0383

nuclear energy, plasma, fusion

0206 0214 0224 0236 0321 0359 0362

oil

0033 0063 0069 0076 0086 0111 0126 0141 0168 0205 0211 0219 0226 0239 0344 0345
0350 0354 0370 0410

oil shales and tar sands

0111 0168 0205 0219 0226

other sources

0105

recovery processes

0076 0111 0226 0237 0322 0362 0370 0372

SNG

0063 0111 0344

solar energy

0129 0206 0219 0222 0226 0228 0236 0406

tidal energy

0219

wind energy

0129 0219

MARKETING AND DISTRIBUTION

biological processes

0134

coal
 0033 0141 0205 0211 0219 0220 0226 0364 0382 0414

electricity
 0016 0028 0033 0095 0141 0166 0170 0211 0219 0220 0224 0226 0236 0273 0341 0369
 0383 0414

general
 0017 0031 0033 0073 0075 0077 0081 0095 0096 0170 0171 0172 0205 0211 0218 0219
 0220 0221 0224 0226 0236 0318 0336 0339 0344 0350 0397 0414

geothermal energy
 0170 0220 0226

hydroelectric power
 0073 0211 0218 0219 0220 0226 0236 0414

hydrogen
 0170 0218 0233 0362

magnetohydrodynamic power
 0170 0218

manufactured gas
 0016 0063 0205 0209 0221 0233 0239 0400 0414

natural gas
 0016 0033 0063 0111 0134 0141 0205 0209 0211 0218 0219 0220 0221 0226 0233 0239
 0344 0354 0370 0381 0414

nuclear energy, fission
 0016 0170 0220 0224 0226 0236 0321 0397

nuclear energy, plasma, fusion
 0170 0220 0224

oil
 0033 0111 0131 0134 0141 0205 0211 0218 0219 0220 0221 0226 0233 0239 0303 0344
 0345 0354 0362 0370 0381 0400

oil shales and tar sands
 0220 0221 0226

recovery processes
 0170 0226 0370

SNG
 0016 0063 0233

solar energy
 0073 0127 0170 0218 0220 0226 0243

tidal energy
 0170 0311

wind energy
 0073 0170

METHODOLOGY, SYSTEMS MODELING

biological processes
 0175 0299

coal
 0070 0083 0165 0205 0215 0226 0229 0362 0364 0402 0414

direct methods
 0158 0175 0273 0303 0385

electricity
 0028 0059 0095 0166 0170 0175 0206 0216 0223 0224 0226 0229 0273 0275 0328 0362
 0369 0383 0385 0396 0402 0414

general
 0017 0045 0059 0071 0072 0073 0075 0077 0095 0108 0111 0169 0170 0176 0194 0205
 0206 0215 0216 0223 0224 0226 0229 0232 0254 0275 0279 0283 0286 0290 0299 0301
 0336 0344 0350 0362 0366 0396 0402 0414

geothermal energy
 0059 0070 0170 0175 0205 0215 0226 0396

hydroelectric power
 0059 0073 0175 0226 0348 0362 0369 0396 0414

hydrogen
0158 0170 0212 0232 0286 0362 0385

magnetohydrodynamic power
0170 0175 0216

manufactured gas
0205 0223 0229 0414

natural gas
0070 0111 0205 0223 0226 0229 0232 0343 0344 0349 0370 0402 0414

nuclear energy, fission
0059 0162 0169 0170 0175 0205 0206 0212 0216 0223 0224 0226 0232 0273 0321 0362
0383 0385 0396

nuclear energy, plasma, fusion
0170 0175 0206 0212 0216 0223 0224 0273 0321 0362

oil
0070 0111 0205 0223 0226 0229 0232 0343 0344 0362 0370 0385 0402

oil shales and tar sands
0070 0205 0215 0226 0385

recovery processes
0169 0170 0175 0223 0226 0229 0322 0362 0370

SNG
0344

solar energy
0059 0073 0158 0170 0175 0206 0212 0226 0232 0385 0396 0406

tidal energy
0059 0170 0175 0311 0396

wind energy
0059 0073 0158 0170 0175 0385 0396

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general
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PLANNING AND MANAGEMENT

coal
0083 0165 0205 0226 0273 0350 0362 0364 0383 0402

direct methods
0273 0362

electricity
0028 0059 0170 0206 0216 0223 0226 0328 0341 0349 0362 0369 0383 0396 0402

general
0016 0017 0038 0059 0060 0065 0072 0073 0075 0077 0081 0082 0094 0100 0108 0111
0130 0169 0170 0176 0189 0205 0206 0216 0218 0223 0226 0271 0273 0332 0336 0339
0344 0362 0366 0396 0402

geothermal energy
0059 0111 0170 0205 0226 0396

hydroelectric power
0059 0073 0170 0218 0226 0362 0369 0383 0396

hydrogen
0111 0170 0218 0362

magnetohydrodynamic power
0170 0216 0218

manufactured gas
0111 0205 0223

natural gas
0111 0205 0218 0223 0226 0273 0343 0344 0349 0362 0370 0383 0402

nuclear energy, fission
 0059 0169 0170 0205 0206 0216 0223 0226 0287 0321 0359 0362 0383 0396

nuclear energy, plasma, fusion
 0170 0206 0216 0223 0321 0359 0362

oil
 0111 0205 0218 0223 0226 0273 0343 0344 0345 0349 0350 0362 0370 0383 0402

oil shales and tar sands
 0111 0205 0226

recovery processes
 0111 0130 0170 0223 0226 0273 0322 0337 0370 0376

SNG
 0111 0344

solar energy
 0059 0073 0130 0170 0218 0226 0396

tidal energy
 0059 0170 0311 0396

wind energy
 0059 0073 0170 0287 0396 0402

POLICY FORMULATION

coal
 0033 0083 0161 0165 0168 0205 0211 0215 0219 0220 0226 0350 0362 0364 0383

direct methods
 0362

electricity
 0033 0106 0166 0168 0206 0211 0216 0218 0219 0220 0223 0224 0226 0228 0234 0235
 0236 0237 0273 0294 0341 0362 0369 0383 0385

general
 0033 0052 0057 0060 0065 0075 0077 0081 0082 0093 0108 0111 0157 0158 0162 0163
 0165 0168 0176 0189 0192 0205 0206 0211 0215 0216 0218 0219 0220 0221 0222 0223
 0224 0226 0228 0234 0235 0236 0237 0271 0294 0336 0339 0344 0362 0368 0369 0403

geothermal energy
 0111 0205 0215 0218 0219 0220 0222 0226 0228 0235 0236

hydroelectric power
 0033 0106 0158 0168 0211 0218 0219 0220 0226 0228 0234 0236 0237 0362 0369 0383

hydrogen
 0111 0158 0161 0218 0222 0362 0385

magnetohydrodynamic power
 0158 0216

manufactured gas
 0033 0111 0161 0168 0205 0221 0223 0239 0350

natural gas
 0033 0069 0111 0161 0168 0205 0211 0218 0219 0220 0221 0223 0226 0239 0343 0344
 0350 0362 0370 0383

nuclear energy, fission
 0168 0205 0206 0216 0218 0220 0222 0223 0224 0226 0227 0228 0234 0236 0321 0362
 0383 0385

nuclear energy, plasma, fusion
 0158 0206 0216 0220 0223 0224 0227 0236 0321 0362

oil
 0033 0069 0111 0131 0161 0168 0205 0211 0218 0219 0220 0221 0223 0226 0235 0239
 0343 0344 0345 0350 0362 0370 0383 0385

oil shales and tar sands
 0111 0168 0205 0215 0219 0220 0221 0226 0350 0385

other sources
 0220

recovery processes
 0111 0158 0223 0226 0227 0236 0237 0322 0370 0376

SNG
 0111 0161 0344 0350
 solar energy
 0158 0206 0218 0219 0220 0222 0226 0228 0235 0236 0385 0406
 tidal energy
 0218 0219 0311
 wind energy
 0158 0218 0219 0385

PRODUCTION

biological processes
 0054 0134 0175 0265 0299 0308
 coal
 0005 0023 0033 0063 0070 0083 0101 0141 0157 0165 0211 0219 0220 0225 0226 0229
 0270 0350 0364 0382 0414
 direct methods
 0157 0175 0260 0267
 electricity
 0005 0007 0016 0028 0037 0059 0071 0074 0089 0095 0107 0114 0141 0153 0154 0157
 0165 0166 0175 0211 0216 0219 0220 0223 0224 0225 0226 0228 0229 0236 0244 0257
 0261 0270 0272 0273 0285 0287 0328 0346 0347 0362 0369 0383 0396 0414
 general
 0017 0059 0073 0074 0075 0077 0081 0095 0096 0107 0111 0130 0153 0157 0165 0169
 0176 0192 0211 0216 0218 0219 0220 0223 0224 0225 0226 0228 0229 0236 0270 0318
 0336 0350 0396 0397 0403 0414
 geothermal energy
 0059 0070 0111 0175 0219 0220 0225 0226 0228 0236 0396 0404
 hydroelectric power
 0059 0073 0153 0166 0175 0211 0218 0219 0220 0225 0226 0228 0236 0378 0396 0414
 hydrogen
 0071 0107 0111 0218 0225 0233 0299 0300 0301 0308 0362
 magnetohydrodynamic power
 0067 0089 0175 0216 0218 0263
 manufactured gas
 0005 0008 0013 0016 0035 0063 0107 0157 0223 0225 0229 0233 0241 0299 0414
 natural gas
 0005 0008 0013 0016 0023 0063 0070 0101 0107 0111 0134 0138 0141 0157 0211 0218
 0219 0220 0223 0225 0226 0229 0233 0244 0270 0284 0299 0308 0344 0350 0354 0370
 0414
 nuclear energy, fission
 0005 0016 0033 0059 0067 0071 0089 0101 0157 0166 0169 0175 0216 0220 0223 0224
 0226 0228 0236 0272 0287 0321 0362 0383 0392 0396 0397
 nuclear energy, plasma, fusion
 0067 0071 0089 0175 0216 0220 0223 0224 0236 0272 0287
 oil
 0005 0023 0063 0070 0071 0098 0101 0107 0111 0131 0134 0138 0141 0157 0211 0218
 0219 0220 0223 0225 0226 0229 0233 0244 0261 0270 0344 0345 0350 0354 0370
 oil shales and tar sands
 0070 0111 0157 0219 0220 0226 0350
 other sources
 0107 0262
 recovery processes
 0101 0130 0175 0223 0226 0260 0370
 SNG
 0008 0013 0016 0063 0111 0157 0233 0344 0350
 solar energy
 0005 0059 0071 0073 0107 0127 0130 0175 0218 0219 0220 0226 0228 0236 0243 0265
 0267 0274 0285 0299 0300 0308 0396

tidal energy
0059 0153 0175 0219 0311 0378 0396

wind energy
0054 0059 0071 0073 0175 0219 0265 0267 0396

RESEARCH (R & D)

biological processes
0054 0175 0178 0202 0203 0265 0284 0299 0308

coal
0006 0030 0033 0070 0083 0101 0122 0161 0165 0205 0211 0215 0226 0229 0253 0260
0270 0350 0363 0364 0365 0392 0414

direct methods
0071 0158 0175 0201 0202 0203 0257 0273 0279 0402

electricity
0006 0018 0028 0059 0071 0074 0089 0095 0113 0129 0154 0170 0175 0206 0211 0216
0223 0224 0226 0228 0229 0244 0257 0265 0273 0275 0279 0326 0327 0328 0341 0342
0347 0348 0362 0369 0383 0396 0398 0402 0414

general
0010 0017 0028 0033 0044 0045 0046 0047 0048 0049 0056 0059 0060 0071 0073 0074
0075 0077 0095 0096 0108 0111 0165 0169 0170 0172 0205 0206 0211 0213 0215 0216
0217 0218 0223 0224 0226 0228 0229 0242 0253 0258 0260 0268 0270 0283 0290 0318
0336 0350 0358 0396 0405 0414

geothermal energy
0030 0033 0059 0070 0111 0170 0175 0205 0215 0226 0228 0396

hydroelectric power
0059 0073 0175 0211 0218 0226 0228 0348 0369 0378 0396 0414

hydrogen
0071 0111 0113 0143 0158 0170 0212 0218 0233 0253 0260 0299 0300 0308 0362 0392

magnetohydrodynamic power
0067 0089 0111 0170 0175 0216 0218 0257 0263

manufactured gas
0006 0008 0013 0161 0162 0205 0223 0229 0233 0253 0260 0299 0316 0350 0379 0414

natural gas
0006 0008 0013 0030 0033 0070 0101 0111 0113 0138 0143 0205 0211 0218 0223 0226
0229 0233 0244 0253 0260 0270 0284 0299 0308 0313 0315 0316 0344 0350 0370 0379
0381 0414

nuclear energy, fission
0006 0018 0040 0059 0067 0071 0089 0101 0169 0170 0175 0205 0206 0212 0213 0216
0223 0224 0226 0228 0262 0272 0273 0287 0320 0321 0326 0359 0362 0383 0392 0396

nuclear energy, plasma, fusion
0033 0040 0067 0071 0089 0170 0175 0206 0212 0216 0223 0224 0262 0263 0272 0287
0320 0321 0359 0362 0392

oil
0006 0030 0070 0071 0101 0111 0113 0138 0205 0211 0218 0223 0226 0229 0233 0244
0253 0260 0270 0303 0344 0345 0350 0362 0370 0381 0410

oil shales and tar sands
0030 0070 0111 0205 0215 0226

other sources
0071 0262

recovery processes
0101 0111 0143 0158 0169 0170 0175 0223 0226 0229 0273 0275 0279 0293 0310 0322
0323 0337 0342 0362 0370 0372 0373 0376 0379

SNG
0008 0013 0111 0165 0233 0253 0260 0315 0316 0344 0350 0379

solar energy
0018 0033 0059 0071 0073 0129 0143 0158 0170 0175 0201 0206 0212 0218 0226 0228
0243 0265 0267 0273 0274 0285 0299 0300 0308 0361 0372 0373 0379 0392 0396 0406

tidal energy
0033 0059 0170 0175 0311 0378 0396

wind energy
0033 0054 0059 0071 0073 0129 0158 0170 0175 0204 0257 0261 0265 0267 0273 0379
0396 0402

wood and plants
0178

STANDARDIZATION

electricity
0014

STANDARDS

general
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STATISTICS

biological processes
0134 0175

coal
0005 0015 0023 0031 0033 0035 0063 0070 0072 0083 0111 0112 0122 0150 0164 0165
0205 0208 0211 0219 0220 0225 0226 0229 0240 0332 0345 0364 0414

direct methods
0175

electricity
0005 0028 0033 0037 0059 0072 0106 0107 0111 0112 0150 0164 0170 0175 0206 0210
0211 0216 0219 0220 0223 0224 0225 0226 0228 0229 0235 0236 0237 0240 0273 0275
0332 0341 0362 0369 0383 0396 0402 0414

general
0016 0017 0031 0042 0059 0060 0065 0075 0077 0081 0096 0100 0107 0108 0111 0112
0150 0163 0165 0170 0171 0177 0184 0185 0189 0194 0205 0206 0211 0216 0217 0219
0220 0222 0223 0224 0225 0226 0228 0229 0235 0236 0237 0242 0271 0290 0301 0318
0330 0336 0339 0350 0362 0384 0394 0396 0397 0402 0403 0414

geothermal energy
0059 0070 0111 0170 0175 0205 0208 0219 0220 0222 0225 0226 0228 0235 0236 0396

hydroelectric power
0005 0059 0106 0150 0175 0211 0219 0220 0225 0226 0228 0236 0237 0396 0414

hydrogen
0107 0170 0222 0225 0233

magnetohydrodynamic power
0170 0175 0216

manufactured gas
0031 0033 0063 0072 0107 0112 0150 0164 0205 0208 0209 0223 0225 0229 0233 0239
0240 0414

natural gas
0005 0023 0031 0033 0063 0070 0072 0086 0107 0111 0112 0134 0138 0146 0150 0164
0205 0208 0209 0211 0219 0220 0223 0225 0226 0229 0233 0239 0240 0332 0345 0354
0370 0381 0414

nuclear energy, fission
0005 0033 0059 0111 0150 0170 0175 0205 0206 0208 0216 0220 0222 0223 0224 0226
0228 0236 0273 0321 0383 0396 0397

nuclear energy, plasma, fusion
0111 0170 0175 0206 0216 0220 0223 0224 0236 0321

oil
0005 0023 0031 0033 0063 0070 0072 0086 0098 0107 0111 0112 0131 0134 0138 0146
0150 0163 0164 0177 0205 0208 0211 0219 0220 0223 0225 0226 0229 0233 0235 0238
0239 0240 0275 0332 0345 0354 0370 0381

oil shales and tar sands
0070 0111 0205 0219 0220 0226

other sources
0107 0150

recovery processes
 0107 0111 0150 0170 0175 0208 0223 0226 0229 0237 0322 0323 0370

SNG
 0063 0072 0111 0150 0233

solar energy
 0059 0107 0170 0175 0206 0219 0220 0222 0226 0228 0235 0236 0396

tidal energy
 0059 0170 0175 0219 0311 0396

wind energy
 0059 0170 0175 0219 0396 0402

TECHNICAL CONSULTANCY

coal
 0007 0083 0161 0208 0215 0226 0229 0364

direct methods
 0071 0270 0273

electricity
 0007 0022 0028 0071 0107 0128 0156 0166 0218 0226 0229 0236 0237 0273 0328 0342
 0362 0369 0396

general
 0003 0055 0071 0107 0108 0130 0140 0169 0205 0215 0218 0226 0229 0236 0237 0243
 0270 0282 0290 0344 0349 0358 0362 0366 0368 0385 0396 0405

geothermal energy
 0007 0140 0172 0208 0215 0218 0226 0236 0396

hydroelectric power
 0007 0218 0226 0236 0237 0348 0378 0396

hydrogen
 0071 0107 0161 0212 0233

magnetohydrodynamic power
 0218

manufactured gas
 0008 0013 0085 0107 0161 0167 0208 0229 0233 0379

natural gas
 0007 0008 0013 0022 0085 0107 0128 0156 0161 0167 0208 0226 0229 0233 0313 0343
 0344 0353 0354 0379

nuclear energy, fission
 0071 0169 0208 0212 0218 0226 0236 0273 0287 0321 0396

nuclear energy, plasma, fusion
 0071 0212 0218 0236

oil
 0007 0009 0022 0071 0107 0128 0161 0208 0226 0229 0233 0343 0344 0353 0354

oil shales and tar sands
 0161 0215 0226

other sources
 0071 0107

recovery processes
 0107 0130 0208 0226 0229 0236 0237 0273 0293 0322 0342 0372 0379 0401

SNG
 0008 0013 0161 0167 0233 0344 0379

solar energy
 0007 0071 0107 0128 0130 0212 0226 0236 0243 0267 0373 0379 0396 0406

tidal energy
 0311 0378 0396

wind energy
 0007 0071 0128 0267 0379 0396

TRAINING AND EDUCATION

biological processes
0299 0308

coal
0083 0165 0208 0215 0229 0364 0387

electricity
0028 0129 0166 0224 0229 0257 0273 0341 0348 0369 0383 0387 0402

general
0003 0046 0071 0108 0111 0165 0169 0172 0176 0205 0206 0215 0221 0224 0229 0290
0344 0350 0358 0362 0366

geothermal energy
0208 0215

hydroelectric power
0348 0369 0378 0387

hydrogen
0212 0300 0308

magnetohydrodynamic power
0257

manufactured gas
0008 0013 0208 0221 0229 0379 0400

natural gas
0008 0013 0111 0208 0221 0229 0308 0344 0353 0354 0370 0379 0387

nuclear energy, fission
0169 0208 0212 0224 0227 0273 0321 0359 0383 0387 0392

nuclear energy, plasma, fusion
0212 0224 0227 0321 0359 0387

oil
0009 0111 0208 0221 0229 0344 0353 0354 0370 0387 0400

oil shales and tar sands
0215 0221

recovery processes
0208 0227 0229 0370 0372 0376 0379 0387

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0008 0013 0379

solar energy
0129 0212 0267 0274 0299 0300 0308 0406

tidal energy
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wind energy
0129 0257 0267 0402

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biological processes
0134 0175

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0005 0063 0083 0126 0153 0161 0165 0205 0215 0219 0220 0226 0229 0253 0297 0339
0364 0414

direct methods
0175

electricity
0007 0028 0033 0059 0071 0074 0095 0166 0175 0216 0219 0220 0224 0226 0229 0257
0265 0267 0286 0301 0362 0369 0396 0398 0402 0414

general
0017 0036 0059 0071 0074 0075 0077 0095 0108 0111 0172 0186 0189 0192 0205 0215
0216 0219 0220 0221 0222 0224 0226 0229 0232 0318 0336 0344 0350 0362 0396 0397
0414

geothermal energy

0059 0175 0215 0222 0226 0396 0404

hydroelectric power

0059 0175 0219 0220 0226 0396 0414

hydrogen

0016 0033 0071 0143 0158 0212 0222 0232 0301 0362 0392

magnetohydrodynamic power

0067 0175 0216

manufactured gas

0008 0013 0016 0063 0126 0153 0161 0167 0205 0221 0229 0239 0339 0414

natural gas

0005 0008 0013 0016 0033 0063 0111 0126 0134 0138 0143 0153 0161 0167 0205 0219
0220 0221 0226 0229 0232 0239 0253 0313 0339 0344 0350 0353 0354 0370 0381 0414

nuclear energy, fission

0059 0067 0175 0212 0216 0220 0222 0224 0226 0232 0241 0273 0287 0321 0359 0362
0383 0396 0397

nuclear energy, plasma, fusion

0067 0175 0212 0216 0220 0224 0273

oil

0005 0033 0063 0071 0111 0126 0131 0134 0138 0139 0153 0205 0219 0220 0221 0226
0229 0232 0239 0241 0253 0344 0345 0350 0353 0354 0370 0381 0410

oil shales and tar sands

0215 0220 0221 0226

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0220

recovery processes

0143 0175 0226 0370 0376

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0008 0013 0016 0063 0167 0344

solar energy

0059 0071 0143 0175 0212 0222 0226 0232 0243 0265 0286 0396 0406

tidal energy

0059 0175 0311 0396

wind energy

0059 0175 0265 0396

TRANSPORT POLICY AND TECHNOLOGY

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0036 0082 0108 0402

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hydrogen
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magnetohydrodynamic power
0011

manufactured gas
0011 0402

natural gas
0011 0022 0402

nuclear energy, fission
0011

nuclear energy, plasma, fusion
0011

oil
0011 0022 0402

recovery processes
0402

SNG
0402

solar energy
0011

tidal energy
0011

wind energy
0011

WAVE ENERGY

electricity
0247

hydroelectric power
0317

other sources
0317

tidal energy
0317

II. AREAS/MAIN ACTIVITIES

BIOLOGICAL PROCESSES

application of recent technology
0175

assessment and evaluation
0178 0286 0299

conservation
0175 0265

economic factors
0134 0175

exploitation and development of resources
0134 0178 0264 0265 0284 0299

general
0110 0178 0199 0246 0249 0255 0269 0281 0282 0334

health and safety
0033

marketing and distribution
0134

methodology, systems modeling
0175 0299

production
0054 0134 0175 0265 0299 0308

research (R & D)
0054 0175 0178 0202 0203 0265 0284 0299 0308

statistics
0134 0175

training and education
0299 0308

transport and storage
0134 0175

COAL

application of recent technology
0035 0063 0161 0165 0215 0226 0229 0270 0364

assessment and evaluation
0033 0165 0178 0205 0208 0211 0215 0219 0220 0226 0253 0273 0402

conservation
0033 0072 0083 0165 0205 0208 0211 0215 0219 0220 0226 0229 0270 0360 0364 0382
0402 0414

economic factors
0005 0006 0015 0023 0031 0033 0063 0070 0112 0141 0161 0165 0215 0219 0226 0253
0260 0273 0345 0350 0362 0387 0414

exploitation and development of resources
0005 0023 0030 0033 0070 0083 0111 0141 0165 0178 0211 0215 0219 0226 0229 0278
0364 0382 0385 0392 0414

forecasting
0005 0033 0072 0083 0157 0165 0205 0211 0219 0220 0226 0229 0267 0273 0350 0364
0382 0383 0402 0414

general
0005 0011 0023 0025 0029 0033 0035 0157 0161 0165 0168 0172 0178 0182 0190 0207
0252 0280 0288 0289 0292 0297 0312 0314 0345 0362 0364 0380

geological surveys
0352

health and safety
0024 0030 0033 0083 0122 0165 0208 0215 0229 0364 0377 0387 0392

legislation and regulation
0033 0063 0122 0126 0141 0165 0168 0205 0211 0219 0226

marketing and distribution
0033 0141 0205 0211 0219 0220 0226 0364 0382 0414

methodology, systems modeling
0070 0083 0165 0205 0215 0226 0229 0362 0364 0402 0414

planning and management
0083 0165 0205 0226 0273 0350 0362 0364 0383 0402

policy formulation
0033 0083 0161 0165 0168 0205 0211 0215 0219 0220 0226 0350 0362 0364 0383

production
0005 0023 0033 0063 0070 0083 0101 0141 0157 0165 0211 0219 0220 0225 0226 0229
0270 0350 0364 0382 0414

research (R & D)
0006 0030 0033 0070 0083 0101 0122 0161 0165 0205 0211 0215 0226 0229 0253 0260
0270 0350 0363 0364 0365 0392 0414

statistics
0005 0015 0023 0031 0033 0035 0063 0070 0072 0083 0111 0112 0122 0150 0164 0165
0205 0208 0211 0219 0220 0225 0226 0229 0240 0332 0345 0364 0414

technical consultancy
0007 0083 0161 0208 0215 0226 0229 0364

training and education
0083 0165 0208 0215 0229 0364 0387

transport and storage
0005 0063 0083 0126 0153 0161 0165 0205 0215 0219 0220 0226 0229 0253 0297 0339
0364 0414

utilization
0011 0402

DIRECT METHODS

application of recent technology
0071 0175 0241 0270 0273

assessment and evaluation
0071 0273 0279 0383

conservation
0033 0175 0241 0253 0260 0273 0286

economic factors
0175 0241 0273 0362

environment
0249

exploitation and development of resources
0279 0383

forecasting
0157 0158

general
0087 0110 0157 0165 0169 0241 0245 0246 0247 0249 0250 0251 0254 0255 0256 0259

0276 0282 0288 0292 0305 0306 0356 0362

methodology, systems modeling
0158 0175 0273 0303 0385

planning and management
0273 0362

policy formulation
0362

production
0157 0175 0260 0267

research (R & D)
0071 0158 0175 0201 0202 0203 0257 0273 0279 0402

statistics
0175

technical consultancy
0071 0270 0273

transport and storage
0175

ELECTRICITY

application of recent technology
0028 0059 0071 0074 0095 0128 0129 0175 0216 0218 0223 0224 0226 0228 0229 0236
0273 0328 0342 0362 0369 0383 0396 0398 0402

assessment and evaluation
0033 0059 0071 0095 0113 0166 0206 0211 0216 0219 0220 0224 0226 0228 0253 0273
0279 0286 0301 0362 0369 0396 0402

conservation
0022 0072 0107 0128 0175 0206 0211 0216 0219 0220 0226 0228 0229 0236 0237 0241
0243 0265 0270 0273 0341 0360 0369 0383 0402 0414

economic factors

0005 0006 0033 0059 0106 0107 0111 0112 0141 0162 0166 0170 0175 0206 0219 0224
0226 0228 0236 0243 0257 0267 0273 0275 0294 0341 0362 0369 0383 0387 0396 0398
0402 0414

environment

0249

exploitation and development of resources

0005 0028 0059 0071 0074 0095 0107 0141 0165 0211 0216 0219 0224 0226 0228 0229
0264 0273 0278 0279 0383 0396 0414

forecasting

0005 0033 0059 0072 0107 0111 0157 0166 0206 0211 0216 0219 0220 0224 0226 0228
0229 0235 0236 0267 0273 0275 0294 0328 0341 0350 0362 0369 0383 0396 0402 0414

general

0001 0002 0005 0011 0016 0028 0033 0156 0157 0165 0168 0172 0195 0241 0248 0249
0250 0251 0254 0256 0269 0277 0282 0288 0289 0292 0305 0334 0345 0356 0362 0402
0412

health and safety

0028 0033 0037 0074 0129 0166 0206 0216 0224 0229 0273 0328 0369 0383 0387 0402

legislation and regulation

0033 0037 0105 0106 0129 0141 0168 0206 0211 0219 0224 0226 0228 0236 0237 0273
0362 0369 0383

marketing and distribution

0016 0028 0033 0095 0141 0166 0170 0211 0219 0220 0224 0226 0236 0273 0341 0369
0383 0414

methodology, systems modeling

0028 0059 0095 0166 0170 0175 0206 0216 0223 0224 0226 0229 0273 0275 0328 0362
0369 0383 0385 0396 0402 0414

planning and management

0028 0059 0170 0206 0216 0223 0226 0328 0341 0349 0362 0369 0383 0396 0402

policy formulation

0033 0106 0166 0168 0206 0211 0216 0218 0219 0220 0223 0224 0226 0228 0234 0235
0236 0237 0273 0294 0341 0362 0369 0383 0385

production

0005 0007 0016 0028 0037 0059 0071 0074 0089 0095 0107 0114 0141 0153 0154 0157
0165 0166 0175 0211 0216 0219 0220 0223 0224 0225 0226 0228 0229 0236 0244 0257
0261 0270 0272 0273 0285 0287 0328 0346 0347 0362 0369 0383 0396 0414

research (R & D)

0006 0018 0028 0059 0071 0074 0089 0095 0113 0129 0154 0170 0175 0206 0211 0216
0223 0224 0226 0228 0229 0244 0257 0265 0273 0275 0279 0326 0327 0328 0341 0342
0347 0348 0362 0369 0383 0396 0398 0402 0414

standardization

0014

statistics

0005 0028 0033 0037 0059 0072 0106 0107 0111 0112 0150 0164 0170 0175 0206 0210
0211 0216 0219 0220 0223 0224 0225 0226 0228 0229 0235 0236 0237 0240 0273 0275
0332 0341 0362 0369 0383 0396 0402 0414

technical consultancy

0007 0022 0028 0071 0107 0128 0156 0166 0218 0226 0229 0236 0237 0273 0328 0342
0362 0369 0396

training and education

0028 0129 0166 0224 0229 0257 0273 0341 0348 0369 0383 0387 0402

transport and storage

0007 0028 0033 0059 0071 0074 0095 0166 0175 0216 0219 0220 0224 0226 0229 0257
0265 0267 0286 0301 0362 0369 0396 0398 0402 0414

transport policy and technology

0147 0257 0333

utilization

0011 0022 0028 0347 0402

wave energy

0247

GENERAL

application of recent technology

0003 0017 0059 0071 0073 0074 0075 0077 0082 0095 0096 0108 0140 0165 0169 0192
0215 0216 0223 0224 0226 0228 0229 0236 0270 0318 0336 0350 0362 0369 0396

assessment and evaluation

0017 0039 0046 0052 0059 0060 0071 0073 0075 0077 0095 0108 0169 0189 0205 0206
0211 0215 0216 0218 0219 0220 0224 0226 0228 0273 0290 0301 0320 0332 0336 0339
0344 0358 0362 0366 0368 0396 0397 0402

conservation

0010 0017 0033 0041 0044 0048 0049 0056 0060 0071 0075 0077 0096 0097 0107 0108
0111 0111 0158 0165 0171 0172 0177 0196 0205 0206 0211 0215 0216 0218 0219 0220
0221 0222 0226 0228 0229 0232 0236 0237 0270 0318 0332 0335 0336 0344 0345 0350
0358 0362 0366 0368 0402 0414

earth and atmospheric sciences

0193

economic factors

0016 0017 0031 0038 0039 0045 0046 0050 0055 0056 0059 0060 0065 0068 0072 0073
0075 0077 0082 0094 0096 0100 0107 0108 0111 0112 0130 0153 0170 0172 0177 0179
0180 0184 0187 0189 0194 0206 0215 0219 0221 0224 0226 0228 0236 0242 0253 0260
0271 0273 0290 0294 0332 0336 0339 0344 0362 0366 0396 0397 0402 0403 0414

electric equipments

0018

exploitation and development of resources

0016 0017 0039 0050 0059 0071 0073 0074 0075 0077 0081 0095 0096 0107 0111 0158
0165 0172 0183 0189 0192 0211 0215 0216 0218 0219 0222 0224 0226 0228 0229 0278
0318 0320 0336 0396 0397 0414

forecasting

0017 0033 0038 0045 0052 0059 0060 0065 0068 0073 0075 0077 0081 0082 0091 0102
0107 0108 0111 0130 0157 0163 0176 0184 0189 0192 0205 0206 0211 0216 0217 0218
0219 0220 0222 0224 0226 0228 0229 0232 0235 0236 0242 0271 0286 0290 0294 0336
0339 0344 0362 0368 0396 0397 0402 0414

general

0016 0017 0020 0027 0028 0034 0043 0051 0053 0092 0102 0116 0123 0176 0188 0193
0198 0199 0207 0249 0250 0252 0258 0264 0266 0268 0276 0278 0280 0282 0288 0289
0290 0291 0292 0297 0304 0307 0309 0318 0319 0320 0332 0334 0350 0351 0358 0362
0368 0369 0371 0380 0386 0395 0402 0408

health and safety

0003 0004 0016 0046 0060 0071 0074 0108 0111 0165 0169 0177 0189 0205 0206 0215
0216 0224 0229 0318 0320 0344 0350 0362

In-service inspection and monitoring

0003

insurance

0004

legislation and regulation

0016 0017 0052 0060 0065 0075 0076 0077 0081 0082 0093 0094 0096 0097 0100 0108
0111 0168 0189 0191 0192 0197 0205 0206 0211 0219 0222 0224 0226 0228 0236 0237
0336 0344 0350 0362 0403

marketing and distribution

0017 0031 0033 0073 0075 0077 0081 0095 0096 0170 0171 0172 0205 0211 0218 0219
0220 0221 0224 0226 0236 0318 0336 0339 0344 0350 0397 0414

methodology, systems modeling

0017 0045 0059 0071 0072 0073 0075 0077 0095 0108 0111 0169 0170 0176 0194 0205
0206 0215 0216 0223 0224 0226 0229 0232 0254 0275 0279 0283 0286 0290 0299 0301
0336 0344 0350 0362 0366 0396 0402 0414

patents

0191

planning and management

0016 0017 0038 0059 0060 0065 0072 0073 0075 0077 0081 0082 0094 0100 0108 0111
0130 0169 0170 0176 0189 0205 0206 0216 0218 0223 0226 0271 0273 0332 0336 0339
0344 0362 0366 0396 0402

policy formulation

0033 0052 0057 0060 0065 0075 0077 0081 0082 0093 0108 0111 0157 0158 0162 0163
0165 0168 0176 0189 0192 0205 0206 0211 0215 0216 0218 0219 0220 0221 0222 0223
0224 0226 0228 0234 0235 0236 0237 0271 0294 0336 0339 0344 0362 0368 0369 0403

production

0017 0059 0073 0074 0075 0077 0081 0095 0096 0107 0111 0130 0153 0157 0165 0169
 0176 0192 0211 0216 0218 0219 0220 0223 0224 0225 0226 0228 0229 0236 0270 0318
 0336 0350 0396 0397 0403 0414

research (R & D)

0010 0017 0028 0033 0044 0045 0046 0047 0048 0049 0056 0059 0060 0071 0073 0074
 0075 0077 0095 0096 0108 0111 0165 0169 0170 0172 0205 0206 0211 0213 0215 0216
 0217 0218 0223 0224 0226 0228 0229 0242 0253 0258 0260 0268 0270 0283 0290 0318
 0336 0350 0358 0396 0405 0414

standards

0197

statistics

0016 0017 0031 0042 0059 0060 0065 0075 0077 0081 0096 0100 0107 0108 0111 0112
 0150 0163 0165 0170 0171 0177 0184 0185 0189 0194 0205 0206 0211 0216 0217 0219
 0220 0222 0223 0224 0225 0226 0228 0229 0235 0236 0237 0242 0271 0290 0301 0318
 0330 0336 0339 0350 0362 0384 0394 0396 0397 0402 0403 0414

technical consultancy

0003 0055 0071 0107 0108 0130 0140 0169 0205 0215 0218 0226 0229 0236 0237 0243
 0270 0282 0290 0344 0349 0358 0362 0366 0368 0385 0396 0405

training and education

0003 0046 0071 0108 0111 0165 0169 0172 0176 0205 0206 0215 0221 0224 0229 0290
 0344 0350 0358 0362 0366

transport and storage

0017 0036 0059 0071 0074 0075 0077 0095 0108 0111 0172 0186 0189 0192 0205 0215
 0216 0219 0220 0221 0222 0224 0226 0229 0232 0318 0336 0344 0350 0362 0396 0397
 0414

transport policy and technology

0147

utilization

0036 0082 0108 0402

GEOHERMAL ENERGY

application of recent technology

0005 0010 0059 0140 0175 0215 0218 0226 0228 0236 0396

assessment and evaluation

0059 0205 0208 0215 0219 0220 0226 0228 0383 0396

conservation

0175 0205 0208 0215 0219 0220 0222 0226 0228 0236

economic factors

0059 0070 0111 0170 0175 0215 0219 0226 0228 0236 0362 0396 0404

exploitation and development of resources

0030 0059 0070 0111 0215 0219 0222 0226 0228 0383 0385 0396

forecasting

0059 0111 0205 0219 0220 0222 0226 0228 0235 0236 0396 0404

general

0005 0011 0033 0087 0110 0165 0172 0207 0282 0292 0302 0356 0362 0395

health and safety

0208 0215

legislation and regulation

0111 0205 0219 0222 0226 0228 0236

marketing and distribution

0170 0220 0226

methodology, systems modeling

0059 0070 0170 0175 0205 0215 0226 0396

planning and management

0059 0111 0170 0205 0226 0396

policy formulation

0111 0205 0215 0218 0219 0220 0222 0226 0228 0235 0236

production

0059 0070 0111 0175 0219 0220 0225 0226 0228 0236 0396 0404

research (R & D)
0030 0033 0059 0070 0111 0170 0175 0205 0215 0226 0228 0396

statistics
0059 0070 0111 0170 0175 0205 0208 0219 0220 0222 0225 0226 0228 0235 0236 0396

technical consultancy
0007 0140 0172 0208 0215 0218 0226 0236 0396

training and education
0208 0215

transport and storage
0059 0175 0215 0222 0226 0396 0404

utilization
0011

HYDROELECTRIC POWER

application of recent technology
0010 0059 0073 0175 0226 0228 0236 0348 0369 0396

assessment and evaluation
0059 0073 0211 0218 0219 0220 0226 0228 0362 0369 0378 0396

conservation
0033 0175 0211 0218 0219 0220 0226 0228 0236 0237 0414

economic factors
0005 0059 0073 0106 0166 0175 0219 0226 0228 0236 0362 0369 0378 0387 0396 0414

exploitation and development of resources
0033 0059 0073 0211 0218 0219 0226 0228 0369 0378 0383 0396 0414

forecasting
0033 0059 0073 0166 0211 0218 0219 0220 0226 0228 0236 0383 0396 0414

general
0002 0011 0016 0033 0168 0195 0207 0356 0362 0378

health and safety
0033 0387

legislation and regulation
0106 0168 0211 0219 0226 0228 0236 0237 0369

marketing and distribution
0073 0211 0218 0219 0220 0226 0236 0414

methodology, systems modeling
0059 0073 0175 0226 0348 0362 0369 0396 0414

planning and management
0059 0073 0170 0218 0226 0362 0369 0383 0396

policy formulation
0033 0106 0158 0168 0211 0218 0219 0220 0226 0228 0234 0236 0237 0362 0369 0383

production
0059 0073 0153 0166 0175 0211 0218 0219 0220 0225 0226 0228 0236 0378 0396 0414

research (R & D)
0059 0073 0175 0211 0218 0226 0228 0348 0369 0378 0396 0414

statistics
0005 0059 0106 0150 0175 0211 0219 0220 0225 0226 0228 0236 0237 0396 0414

technical consultancy
0007 0218 0226 0236 0237 0348 0378 0396

training and education
0348 0369 0378 0387

transport and storage
0059 0175 0219 0220 0226 0396 0414

utilization
0011

wave energy
0317

HYDROGEN

application of recent technology
0071 0143 0161 0162 0233

assessment and evaluation
0071 0113 0218 0286 0301 0362 0383 0402

conservation
0107 0218 0222 0232 0233

economic factors
0107 0111 0170 0362 0385

exploitation and development of resources
0071 0107 0111 0212 0218 0222 0300 0362

forecasting
0091 0102 0107 0111 0158 0218 0222 0232 0233 0362

general
0002 0011 0016 0033 0102 0110 0110 0161 0207 0241 0255 0276 0282 0292 0306 0334
0362

health and safety
0033 0212

legislation and regulation
0111 0222

marketing and distribution
0170 0218 0233 0362

methodology, systems modeling
0158 0170 0212 0232 0286 0362 0385

planning and management
0111 0170 0218 0362

policy formulation
0111 0158 0161 0218 0222 0362 0385

production
0071 0107 0111 0218 0225 0233 0299 0300 0301 0308 0362

research (R & D)
0071 0111 0113 0143 0158 0170 0212 0218 0233 0253 0260 0299 0300 0308 0362 0392

statistics
0107 0170 0222 0225 0233

technical consultancy
0071 0107 0161 0212 0233

training and education
0212 0300 0308

transport and storage
0016 0033 0071 0143 0158 0212 0222 0232 0301 0362 0392

utilization
0011

MAGNETOHYDRODYNAMIC POWER

application of recent technology
0067 0175 0216 0218

assessment and evaluation
0216 0218 0273 0383

conservation
0175 0216 0218

economic factors
0170 0175 0257

exploitation and development of resources
0216 0218 0257

forecasting
0216 0218

general
0011 0016 0087 0110 0165 0207 0305 0356

health and safety
0067 0216

marketing and distribution
0170 0218

methodology, systems modeling
0170 0175 0216

planning and management
0170 0216 0218

policy formulation
0158 0216

production
0067 0089 0175 0216 0218 0263

research (R & D)
0067 0089 0111 0170 0175 0216 0218 0257 0263

statistics
0170 0175 0216

technical consultancy
0218

training and education
0257

transport and storage
0067 0175 0216

utilization
0011

MANUFACTURED GAS

application of recent technology
0008 0013 0035 0063 0161 0162 0223 0233 0241 0316 0379

assessment and evaluation
0008 0013 0033 0063 0205 0208 0239 0253 0301 0402

conservation
0008 0013 0033 0072 0107 0205 0208 0221 0229 0233 0239 0360 0414

economic factors
0005 0006 0031 0033 0063 0085 0107 0112 0161 0209 0221 0241 0253 0350 0414

exploitation and development of resources
0107 0229 0414

forecasting
0033 0072 0091 0102 0107 0157 0205 0229 0233 0239 0350 0414

general
0005 0011 0016 0019 0029 0033 0035 0102 0110 0157 0161 0165 0168 0172 0207 0241
0255 0259 0276 0288 0292 0296 0306 0314 0357

health and safety
0008 0013 0033 0208 0209 0229 0239

legislation and regulation
0033 0063 0085 0126 0168 0205 0239

marketing and distribution
0016 0063 0205 0209 0221 0233 0239 0400 0414

methodology, systems modeling
0205 0223 0229 0414

planning and management
0111 0205 0223

policy formulation
0033 0111 0161 0168 0205 0221 0223 0239 0350

research (R & D)

0006 0008 0013 0030 0033 0070 0101 0111 0113 0138 0143 0205 0211 0218 0223 0226
0229 0233 0244 0253 0260 0270 0284 0299 0308 0313 0315 0316 0344 0350 0370 0379
0381 0414

statistics

0005 0023 0031 0033 0063 0070 0072 0086 0107 0111 0112 0134 0138 0146 0150 0164
0205 0208 0209 0211 0219 0220 0223 0225 0226 0229 0233 0239 0240 0332 0345 0354
0370 0381 0414

technical consultancy

0007 0008 0013 0022 0085 0107 0128 0156 0161 0167 0208 0226 0229 0233 0313 0343
0344 0353 0354 0379

training and education

0008 0013 0111 0208 0221 0229 0308 0344 0353 0354 0370 0379 0387

transport and storage

0005 0008 0013 0016 0033 0063 0111 0126 0134 0138 0143 0153 0161 0167 0205 0219
0220 0221 0226 0229 0232 0239 0253 0313 0339 0344 0350 0353 0354 0370 0381 0414

utilization

0011 0022 0402

NUCLEAR ENERGY, FISSION

application of recent technology

0005 0010 0059 0067 0071 0162 0169 0175 0216 0218 0223 0224 0226 0228 0236 0273
0287 0320 0321 0369 0383 0392 0396

assessment and evaluation

0033 0059 0071 0169 0205 0206 0208 0216 0220 0224 0226 0228 0253 0273 0287 0320
0321 0349 0359 0362 0396 0397

conservation

0175 0205 0206 0208 0216 0220 0222 0226 0228 0232 0236 0320

economic factors

0005 0006 0033 0059 0111 0162 0166 0170 0175 0206 0214 0224 0226 0228 0236 0267
0273 0320 0321 0349 0362 0383 0385 0387 0396 0397

exploitation and development of resources

0005 0033 0059 0071 0111 0212 0216 0222 0224 0226 0227 0228 0273 0287 0320 0321
0359 0383 0385 0392 0396 0397

forecasting

0005 0033 0059 0157 0166 0205 0206 0216 0220 0222 0224 0226 0227 0228 0232 0236
0267 0273 0287 0321 0359 0362 0383 0396 0397

general

0002 0005 0011 0016 0033 0061 0087 0157 0165 0168 0169 0200 0207 0241 0251 0256
0277 0282 0288 0289 0292 0298 0305 0320 0356 0362 0388

health and safety

0005 0033 0040 0067 0169 0206 0208 0212 0216 0224 0273 0320 0321 0326 0359 0362
0383 0387 0392

legislation and regulation

0033 0168 0205 0206 0214 0222 0224 0226 0228 0236 0273 0321 0359 0362 0383

marketing and distribution

0016 0170 0220 0224 0226 0236 0321 0397

methodology, systems modeling

0059 0162 0169 0170 0175 0205 0206 0212 0216 0223 0224 0226 0232 0273 0321 0362
0383 0385 0396

planning and management

0059 0169 0170 0205 0206 0216 0223 0226 0287 0321 0359 0362 0383 0396

policy formulation

0168 0205 0206 0216 0218 0220 0222 0223 0224 0226 0227 0228 0234 0236 0321 0362
0383 0385

production

0005 0016 0033 0059 0067 0071 0089 0101 0157 0166 0169 0175 0216 0220 0223 0224
0226 0228 0236 0272 0287 0321 0362 0383 0392 0396 0397

research (R & D)

0006 0018 0040 0059 0067 0071 0089 0101 0169 0170 0175 0205 0206 0212 0213 0216
0223 0224 0226 0228 0262 0272 0273 0287 0320 0321 0326 0359 0362 0383 0392 0396

statistics
0005 0033 0059 0111 0150 0170 0175 0205 0206 0208 0216 0220 0222 0223 0224 0226
0228 0236 0273 0321 0383 0396 0397

technical consultancy
0071 0169 0208 0212 0218 0226 0236 0273 0287 0321 0396

training and education
0169 0208 0212 0224 0227 0273 0321 0359 0383 0387 0392

transport and storage
0059 0067 0175 0212 0216 0220 0222 0224 0226 0232 0241 0273 0287 0321 0359 0362
0383 0396 0397

utilization
0011

NUCLEAR ENERGY, PLASMA, FUSION

application of recent technology
0067 0071 0175 0216 0218 0223 0224 0236 0295 0320 0321 0392

assessment and evaluation
0071 0206 0216 0220 0224 0273 0287 0320 0321 0359 0362 0383

conservation
0175 0206 0216 0220 0236 0320

economic factors
0111 0170 0175 0206 0214 0224 0236 0320 0321 0362 0385 0387

exploitation and development of resources
0071 0111 0212 0216 0224 0227 0263 0287 0320 0359

forecasting
0206 0216 0220 0224 0227 0236 0287 0321 0362

general
0002 0011 0016 0033 0061 0087 0207 0288 0292 0295 0320 0356 0362 0388

health and safety
0040 0067 0206 0212 0216 0224 0320 0321 0359 0387

legislation and regulation
0206 0214 0224 0236 0321 0359 0362

marketing and distribution
0170 0220 0224

methodology, systems modeling
0170 0175 0206 0212 0216 0223 0224 0273 0321 0362

planning and management
0170 0206 0216 0223 0321 0359 0362

policy formulation
0158 0206 0216 0220 0223 0224 0227 0236 0321 0362

production
0067 0071 0089 0175 0216 0220 0223 0224 0236 0272 0287

research (R & D)
0033 0040 0067 0071 0089 0170 0175 0206 0212 0216 0223 0224 0262 0263 0272 0287
0320 0321 0359 0362 0392

statistics
0111 0170 0175 0206 0216 0220 0223 0224 0236 0321

technical consultancy
0071 0212 0218 0236

training and education
0212 0224 0227 0321 0359 0387

transport and storage
0067 0175 0212 0216 0220 0224 0273

utilization
0011

OIL

application of recent technology

0063 0071 0128 0138 0161 0223 0226 0229 0233 0241 0261 0270 0303 0344 0345 0369
0370 0381

assessment and evaluation

0033 0071 0113 0205 0208 0211 0218 0219 0220 0226 0239 0253 0267 0273 0344 0345
0349 0350 0354 0370 0381 0402

conservation

0022 0033 0072 0107 0111 0111 0128 0177 0205 0208 0211 0218 0219 0220 0221 0226
0229 0232 0233 0239 0241 0243 0270 0293 0344 0349 0354 0360 0370 0381 0385 0402

economic factors

0005 0006 0023 0031 0033 0063 0070 0098 0107 0111 0112 0134 0141 0161 0163 0165
0177 0219 0221 0226 0238 0241 0243 0253 0260 0267 0273 0275 0303 0343 0344 0345
0349 0350 0354 0362 0370 0385 0387

environment

0370

exploitation and development of resources

0005 0023 0030 0070 0071 0107 0111 0131 0134 0138 0141 0165 0211 0218 0219 0226
0229 0244 0253 0278 0345 0349 0350 0354 0370 0385

forecasting

0005 0033 0072 0107 0111 0157 0205 0211 0218 0219 0220 0226 0229 0232 0233 0235
0239 0267 0273 0275 0344 0345 0350 0370 0383 0402

general

0005 0009 0011 0016 0023 0033 0086 0110 0157 0161 0165 0168 0172 0190 0207 0230
0241 0252 0280 0288 0289 0292 0305 0343 0345 0362 0380

geological surveys

0352

health and safety

0033 0111 0177 0208 0229 0239 0344 0345 0354 0370 0387

legislation and regulation

0033 0063 0069 0076 0086 0111 0126 0141 0168 0205 0211 0219 0226 0239 0344 0345
0350 0354 0370 0410

marketing and distribution

0033 0111 0131 0134 0141 0205 0211 0218 0219 0220 0221 0226 0233 0239 0303 0344
0345 0354 0362 0370 0381 0400

methodology, systems modeling

0070 0111 0205 0223 0226 0229 0232 0343 0344 0362 0370 0385 0402

planning and management

0111 0205 0218 0223 0226 0273 0343 0344 0345 0349 0350 0362 0370 0383 0402

policy formulation

0033 0069 0111 0131 0161 0168 0205 0211 0218 0219 0220 0221 0223 0226 0235 0239
0343 0344 0345 0350 0362 0370 0383 0385

production

0005 0023 0063 0070 0071 0098 0101 0107 0111 0131 0134 0138 0141 0157 0211 0218
0219 0220 0223 0225 0226 0229 0233 0244 0261 0270 0344 0345 0350 0354 0370

research (R & D)

0006 0030 0070 0071 0101 0111 0113 0138 0205 0211 0218 0223 0226 0229 0233 0244
0253 0260 0270 0303 0344 0345 0350 0362 0370 0381 0410

statistics

0005 0023 0031 0033 0063 0070 0072 0086 0098 0107 0111 0112 0131 0134 0138 0146
0150 0163 0164 0177 0205 0208 0211 0219 0220 0223 0225 0226 0229 0233 0235 0238
0239 0240 0275 0332 0345 0354 0370 0381

technical consultancy

0007 0009 0022 0071 0107 0128 0161 0208 0226 0229 0233 0343 0344 0353 0354

training and education

0009 0111 0208 0221 0229 0344 0353 0354 0370 0387 0400

transport and storage

0005 0033 0063 0071 0111 0126 0131 0134 0138 0139 0153 0205 0219 0220 0221 0226
0229 0232 0239 0241 0253 0344 0345 0350 0353 0354 0370 0381 0410

transport policy and technology

0147 0333

utilization

0011 0022 0402

OIL SHALES AND TAR SANDS

application of recent technology

0161 0215 0226

assessment and evaluation

0205 0215 0219 0220 0226

conservation

0205 0215 0219 0220 0221 0226

economic factors

0070 0111 0165 0215 0219 0221 0226 0350

exploitation and development of resources

0030 0070 0111 0215 0219 0226 0350

forecasting

0111 0157 0205 0219 0220 0226 0350

general

0110 0157 0161 0165 0168 0190 0292 0345

health and safety

0215

legislation and regulation

0111 0168 0205 0219 0226

marketing and distribution

0220 0221 0226

methodology, systems modeling

0070 0205 0215 0226 0385

planning and management

0111 0205 0226

policy formulation

0111 0168 0205 0215 0219 0220 0221 0226 0350 0385

production

0070 0111 0157 0219 0220 0226 0350

research (R & D)

0030 0070 0111 0205 0215 0226

statistics

0070 0111 0205 0219 0220 0226

technical consultancy

0161 0215 0226

training and education

0215 0221

transport and storage

0215 0220 0221 0226

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application of recent technology

0071

assessment and evaluation

0071 0253

conservation

0107

economic factors

0107 0253

exploitation and development of resources

0071 0107 0278

forecasting

0107

general

0252 0292

legislation and regulation

0105

policy formulation
0220

production
0107 0262

research (R & D)
0071 0262

statistics
0107 0150

technical consultancy
0071 0107

transport and storage
0220

wave energy
0317

RECOVERY PROCESSES

application of recent technology
0143 0169 0175 0223 0226 0229 0236 0273 0322 0337 0342 0362 0370 0376 0379

assessment and evaluation
0169 0208 0226 0273 0279 0286 0322 0362 0370 0376 0402

conservation
0175 0208 0226 0260 0273 0275 0279 0286 0287 0293 0322 0360 0370 0372 0376 0401

economic factors
0107 0111 0130 0170 0175 0226 0236 0273 0275 0322 0362 0370 0376 0387

environment
0370

exploitation and development of resources
0226 0227 0229 0279 0370

forecasting
0091 0102 0107 0111 0130 0158 0226 0227 0229 0236 0322 0362 0370

general
0102 0110 0169 0172 0241 0245 0249 0250 0251 0255 0256 0259 0269 0276 0281 0282
0288 0292 0296 0306 0322 0334 0337 0338 0345 0362 0390

health and safety
0033 0208 0229 0370 0376 0387

legislation and regulation
0076 0111 0226 0237 0322 0362 0370 0372

marketing and distribution
0170 0226 0370

methodology, systems modeling
0169 0170 0175 0223 0226 0229 0322 0362 0370

planning and management
0111 0130 0170 0223 0226 0273 0322 0337 0370 0376

policy formulation
0111 0158 0223 0226 0227 0236 0237 0322 0370 0376

production
0101 0130 0175 0223 0226 0260 0370

research (R & D)
0101 0111 0143 0158 0169 0170 0175 0223 0226 0229 0273 0275 0279 0293 0310 0322
0323 0337 0342 0362 0370 0372 0373 0376 0379

statistics
0107 0111 0150 0170 0175 0208 0223 0226 0229 0237 0322 0323 0370

technical consultancy
0107 0130 0208 0226 0229 0236 0237 0273 0293 0322 0342 0372 0379 0401

training and education
0208 0227 0229 0370 0372 0376 0379 0387

transport and storage
0143 0175 0226 0370 0376
utilization
0402

SNG

application of recent technology
0008 0013 0063 0161 0162 0233 0316 0344 0379
assessment and evaluation
0008 0013 0063 0344 0402
conservation
0008 0013 0072 0233
economic factors
0063 0111 0253 0344 0350
exploitation and development of resources
0111
forecasting
0072 0111 0157 0233 0344 0350
general
0016 0157 0161 0165 0276 0292 0306 0314 0334 0357
health and safety
0008 0013
legislation and regulation
0063 0111 0344
marketing and distribution
0016 0063 0233
methodology, systems modeling
0344
planning and management
0111 0344
policy formulation
0111 0161 0344 0350
production
0008 0013 0016 0063 0111 0157 0233 0344 0350
research (R & D)
0008 0013 0111 0165 0233 0253 0260 0315 0316 0344 0350 0379
statistics
0063 0072 0111 0150 0233
technical consultancy
0008 0013 0161 0167 0233 0344 0379
training and education
0008 0013 0379
transport and storage
0008 0013 0016 0063 0167 0344
utilization
0402

SOLAR ENERGY

application of recent technology
0005 0059 0071 0073 0127 0128 0129 0143 0175 0226 0228 0236 0243 0379 0392 0396
0406
assessment and evaluation
0059 0071 0073 0206 0218 0219 0220 0226 0228 0267 0273 0286 0299 0383 0396 0406
conservation
0107 0128 0175 0196 0206 0218 0219 0220 0222 0226 0228 0232 0236 0243 0265

economic factors
 0059 0073 0107 0130 0170 0175 0206 0219 0226 0228 0236 0241 0243 0267 0273 0362
 0396 0406

environment
 0249

exploitation and development of resources
 0005 0059 0071 0073 0107 0127 0212 0218 0219 0222 0226 0228 0241 0243 0264 0265
 0267 0274 0285 0299 0300 0361 0373 0383 0385 0396

forecasting
 0005 0059 0073 0107 0130 0158 0206 0218 0219 0220 0222 0226 0228 0232 0235 0236
 0396 0406

general
 0005 0011 0016 0033 0087 0169 0172 0196 0199 0207 0241 0245 0249 0251 0254 0256
 0281 0282 0305 0325 0334 0345 0356 0362 0395

health and safety
 0129 0206 0212

heatpump
 0251

legislation and regulation
 0129 0206 0219 0222 0226 0228 0236 0406

marketing and distribution
 0073 0127 0170 0218 0220 0226 0243

methodology, systems modeling
 0059 0073 0158 0170 0175 0206 0212 0226 0232 0385 0396 0406

planning and management
 0059 0073 0130 0170 0218 0226 0396

policy formulation
 0158 0206 0218 0219 0220 0222 0226 0228 0235 0236 0385 0406

production
 0005 0059 0071 0073 0107 0127 0130 0175 0218 0219 0220 0226 0228 0236 0243 0265
 0267 0274 0285 0299 0300 0308 0396

research (R & D)
 0018 0033 0059 0071 0073 0129 0143 0158 0170 0175 0201 0206 0212 0218 0226 0228
 0243 0265 0267 0273 0274 0285 0299 0300 0308 0361 0372 0373 0379 0392 0396 0406

statistics
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technical consultancy
 0007 0071 0107 0128 0130 0212 0226 0236 0243 0267 0373 0379 0396 0406

training and education
 0129 0212 0267 0274 0299 0300 0308 0406

transport and storage
 0059 0071 0143 0175 0212 0222 0226 0232 0243 0265 0286 0396 0406

utilization
 0011

TIDAL ENERGY

application of recent technology
 0059 0175 0311 0396

assessment and evaluation
 0059 0219 0311 0362 0378 0383 0396

conservation
 0175 0219 0311

economic factors
 0059 0170 0175 0219 0311 0378 0396

environment
 0311

exploitation and development of resources
 0059 0219 0311 0378 0383 0396

forecasting
0059 0219 0396

general
0011 0016 0207 0247 0334 0356 0378 0395

legislation and regulation
0219

marketing and distribution
0170 0311

methodology, systems modeling
0059 0170 0175 0311 0396

planning and management
0059 0170 0311 0396

policy formulation
0218 0219 0311

production
0059 0153 0175 0219 0311 0378 0396

research (R & D)
0033 0059 0170 0175 0311 0378 0396

statistics
0059 0170 0175 0219 0311 0396

technical consultancy
0311 0378 0396

training and education
0378

transport and storage
0059 0175 0311 0396

utilization
0011

wave energy
0317

WIND ENERGY

application of recent technology
0005 0059 0071 0073 0128 0129 0175 0379 0396 0402

assessment and evaluation
0059 0071 0073 0219 0267 0273 0286 0383 0396 0402

conservation
0128 0175 0219 0265

economic factors
0059 0073 0170 0175 0219 0257 0261 0267 0273 0385 0396 0402

exploitation and development of resources
0059 0071 0073 0219 0257 0264 0265 0267 0278 0383 0385 0396

forecasting
0059 0073 0158 0219 0396 0402

general
0011 0016 0033 0207 0247 0248 0254 0282 0288 0305 0334 0356 0395 0402

health and safety
0129

legislation and regulation
0129 0219

marketing and distribution
0073 0170

methodology, systems modeling
0059 0073 0158 0170 0175 0385 0396

planning and management
0059 0073 0170 0287 0396 0402

policy formulation

0158 0218 0219 0385

production

0054 0059 0071 0073 0175 0219 0265 0267 0396

research (R & D)

0033 0054 0059 0071 0073 0129 0158 0170 0175 0204 0257 0261 0265 0267 0273 0379
0396 0402

statistics

0059 0170 0175 0219 0396 0402

technical consultancy

0007 0071 0128 0267 0379 0396

training and education

0129 0257 0267 0402

transport and storage

0059 0175 0265 0396

utilization

0011

WOOD AND PLANTS

assessment and evaluation

0178 0253

economic factors

0005 0241 0253

exploitation and development of resources

0178 0385

general

0005 0178 0241 0269 0282 0292 0296

research (R & D)

0178

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PAR LE C.N.R.S.
BERGER-LEVRAULT EN A ASSURE
LA PROGRAMMATION TYPOGRAPHIQUE,
LA PHOTOCOMPOSITION ET L'IMPRESSION.

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