



# RTD INFO

News Roundup on EC Research and Technological Development Programmes

Research  
Council

## New task forces for a more competitive Europe

**Commission sets up 5 task forces for common projects of industrial interest**

*In the Research Council of Ministers, held in Brussels on 10 March, Mme Edith Cresson, Commissioner for Research, Education and Training, announced the setting-up of five task forces in the following areas: "car of tomorrow", "educational software multimedia", "new generation aircraft", "vaccines and viral diseases", "train of the future". The aim is to bring together Community and all other relevant efforts in common projects of industrial interest.*

The initiative, taken jointly by Mme Cresson and Mr Martin Bangemann – Commissioner for Industrial Affairs, Information Technologies and Telecommunications – is intended to meet challenges which today face the European Union (EU), such as the level of unemployment, social upheavals and the profound technological changes now taking place. In this context, the Commission wants to give priority to projects likely to strengthen interactions between industry and research, to have a direct impact in terms of competitiveness, and therefore to meet the preoccupations of European business and citizens alike.

These task forces, composed of Commission officials from the DGs concerned, will aim to bring together activities at both EU and national levels by pursuing in stages the following tasks:

- identify research priorities on the basis of wide-ranging consultation with industry - including SMEs - and users.
- ensure the coordination between the research programmes of the EU and the complementarity with other international and national initiatives.
- encourage the use of additional financial resources (eg risk-capital solutions of the kind adopted in the USA).

### IMPROVING COORDINATION OF RTD POLICY

The research ministers of the 15 Member States also considered, at the 10 March meeting, ways to improve the coordination of EU and national RTD policy: a better exchange of information in close association with programme Committee, a reinforcement of interprogramme coordination, and a systematic consultation between Member States on international cooperation initiatives.

### 4th FP: GREAT INITIAL INTEREST

There has been a very great deal of interest from both the scientific community and industry in the Fourth Framework Programme (1994-1998), following the first calls for proposals launched on 15 December 1994; no fewer than 200,000 information packages have been distributed in the last 4 months. (For an overview of the 4th Framework Programme, and its budget breakdown, see the centre pages of this issue).

# Community Expands Support for European SMEs

*In the face of increasing global competition, European SMEs (Small and Medium-sized Enterprises) are having to innovate and to internationalise their strategies. The European Union's new measures for technological stimulation, implemented in the 4th Framework Programme 1994-1998 (4th FP), are aimed at promoting the participation of SMEs (high technology SMEs as well as those with little or no RTD capacity) in EU RTD programmes.*

Technology can be a major factor enabling enterprises of all types to gain competitive advantage. But advanced technologies have to be developed first, and enterprises can find it hard to carry out high-tech RTD on their own. Cooperation among different enterprises and research organisations is one solution to the problem. Such arrangements allow the pooling of resources, and partners can often bring complementary skills to a project. The European Community's programmes of RTD are aimed at helping to get RTD partners together, forging links between business and research communities.

## **SMEs: Critical to Europe's Industrial Fabric**

An SME is an enterprise which has fewer than 500 employees; has an annual turnover less than 38 MECU; and is no more than 1/3 owned by a larger organisation. SMEs are the powerhouse behind Europe's rapidly evolving economy. 98% of all companies in Europe are SMEs. High-tech SMEs are known to produce twice as many innovations per employee and to generate three-

and-a-half more new products per ECU invested in research than larger enterprises. They also constitute Europe's principal source of new jobs. Given the importance of SMEs within the

information about Community programmes, to define their needs and find partners, etc...

## **CRAFT: Expanding under 4th FP**

First launched in 1991 as a

Given the success of the CRAFT formula, the 4th FP now extends Exploratory Awards and CRAFT to other specific RTD programmes:

<b>Specific Programme</b>	<b>Exploratory Award</b>	<b>CRAFT</b>
Telematics	X	
Industrial and Materials Technologies	X	X
Measurements and Testing	X	X
Environment and Climate	X	X
Marine Sciences and Technologies	X	X
Biotechnology	X	
Biomedicine and Health	X	X
Agriculture and Fisheries	X	X
Non-nuclear Energy	X	X
Transport	X	

(Specific measures for SMEs are implemented in the Information Technologies and Communications Technologies programmes).

European economy, it is important that they can participate in Community RTD programmes which provide them with a support in technological innovation in a European context, through the sharing of risks and costs. However, it is well known that SMEs often have difficulties in accessing

special initiative of the BRITE-EURAM Programme, CRAFT (Cooperative Research Action For Technology) seeks to promote and facilitate the participation of SMEs in the Community's RTD programmes. Under the CRAFT scheme, SMEs with little or no research capacity can work

cooperatively with other institutions and enterprises. Furthermore, the Community shares the risk with project partners by providing 50% of the project's funding (up to 0.5 MECU).

For many SMEs, CRAFT can mean the first real opportunity to participate in RTD. Of the SMEs participating to date, a full 50% had never participated in any form of RTD before coming into the CRAFT Programme, and 80% had never participated in any kind of cooperative RTD action at European level.

The success of CRAFT within the BRITE-EURAM Programme was impressive, with 50% of the accepted proposals being seen to successful conclusions. As a result, the Community has now seen fit to expand CRAFT into other specific RTD programmes (see box).

## **New Measures**

Most of the specific RTD programmes under the 4th FP now include two measures aimed at stimulating technological development by SMEs:

**1. A two stage submission procedure involving an Exploratory Award of up to 45,000 ECU (75% of total cost) to aid SMEs in the preparation of RTD proposal;**

**2. Cooperative research:** the CRAFT scheme has now been expanded to most of the specific programmes of the 4th FP, including up to 0.5 MECU per project (50% of total cost), promoting cooperative research among SMEs and research organisations.

(continued on page 11)

*In the last issue of RTD Info, we announced that we were going to publish a series of "success stories" – short descriptions of interesting and exemplary research projects – and we asked partners to send us their project summaries. The first of these is printed below.*

## The story of the first ever synthetic vaccine

### Development of second generation vaccines against parvoviruses

Vaccines are extremely cost-effective for the maintenance of human and animal health. Classical vaccines are derived from inactivated or adapted viruses or micro-organisms. Their production involves the use of pathogens and is therefore costly, due to the fact that they require a very strict containment. Nonetheless, production errors do occur, and safety is therefore always an issue. There is therefore a need to make safe second generation vaccines which are inherently safe and cheap to produce.

This has been achieved in this project by targeting parvovirus, a family of small viruses (see figure) which, for example, infects dogs (CPV), pigs (PPV) and humans (B19). CPV is the major disease in dogs and requires multiple vaccinations during their life; PPV is a threat to the health of pigs; and in humans, infection with B19 can, amongst other effects, damage the unborn child.

#### First effective synthetic vaccine

Although the aim of the project was very ambitious, the targets were more than met. Not only were effective recombinant nucleic acid free particles produced which in-

duce full protection against CPV and PPV, but a synthetic peptide vaccine was also produced which gave full protection in all animals. This peptide vaccine is the first example of an effective synthetic vaccine ever made,

and is a breakthrough in the area of vaccinology. For more than 12 years, in fact, major research groups have been trying to develop synthetic peptide vaccines without much success. The development of this effective peptide vaccine may also herald the beginning of the development of many other synthetic vaccines against a large number of diseases. In addition, the peptide vaccine we have developed seems to fulfil one of the promises of synthetic vaccines, i.e., it can be targeted for very special effects. Our data suggest that this synthetic vaccine may for the first time allow breakage of maternal immunity. This would provide a new approach to protecting young children and young animals against a number of diseases, something which at that age is normally not possible. Thus we have developed in this project two new generations of safe and effective vaccines based on particles and peptides, and opened up

get the products to the market. This will be of major commercial interest to all three partners, including an SME in Spain.

#### Success not possible without partnership

The success of this project (BRIDGE programme: BIOT-CT91-0256) has been highly dependent on the combination of different expertises: INGENASA's recombinant technology for the production of capsids, ID-DLO's expertise in the use of peptides, and SVIV's expertise in the virology and vaccinology of parvoviruses. This project could therefore never have been done by any one of the participants on their own. In addition, the advisory role of Prof. Dr. A.D.M.E. Osterhuus, of Erasmus University Rotterdam, The Netherlands, has been very valuable.

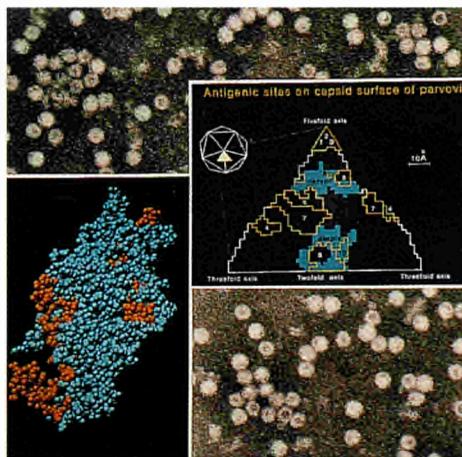
#### Contacts:

- Robbert H. Meleno**<sup>1</sup>
- J. Ignacio Casal**<sup>2</sup>
- Kristian Dalsgaard**<sup>3</sup>
- Jan P.M. Langeveld**<sup>1</sup>

<sup>1</sup> Institute for Animal Science and Health (ID-DLO), Edelhertweg 15, P.O. Box 65, NL-8200 AB Lelystad, The Netherlands

<sup>2</sup> INGENASA, Immunología y Genética Aplicada S.A., Hermanos Garcia Noblejas, 41-2<sup>a</sup>, E-28037 Madrid, Spain.

<sup>3</sup> State Veterinary Institute for Virus Research, Lindholm, DK-4771 Kalvehave, Denmark.



*For the design of synthetic vaccines, knowledge about the location and exposure of the antigen – in this case parvovirus – is critical. The first fully protective peptide vaccine has been designed using the epitope at locations 1, 2, 3 on the viral capsid.*

and is a breakthrough in the area of vaccinology. For more than 12 years, in fact, major research groups have been trying to develop synthetic peptide vaccines without much success. The development of this effective peptide vaccine may also herald the begin-

ning of the development of many other synthetic vaccines against a large number of diseases.

The scientific output has been very high, as can be judged from the 10 articles appearing or in preparation and the 3 patents being filed. The commercial side is at the moment being pursued and negotiations are under way to

*If you wish to send us your own "success story", please refer to RTD Info 8 for more details about presentation, or fax us for a detailed information sheet: Michel Claessens, Fax + 32 2 2958220. The next deadline for submission is 30 April.*

**"The 4th Framework Programme"**



This brochure gives details of all the research and technological development activities carried out by the European Union under the Fourth Framework Programme (1994-1998). Details are given of the 19 specific programmes covered by the 4th Framework Programme plus a breakdown of the budget allocated to each and examples of previous projects. Available in English, French and German.

Contact: M. Claessens  
Fax + 32 2 2958220

**INFORMATION TECHNOLOGIES**

**"European Procurement Handbook for Open Systems (EPHOS)"**

EPHOS provides essential guidance for public procurers and planners in national, European and international administrations on how to specify requirements for information and communications technologies which are capable of interconnection and interworking, i.e. open systems technologies.

Available in English either in CD-ROM format or as a paper publication.

Contact: EPHOS Awareness Office  
Fax + 32 10 411742

**TELEMATICS, APPLICATION PROGRAMME DELTA 2**

**DELTA programme of telematics for flexible and distance learning (CD-ROM)**

This CD-ROM contains an overview of the R&D results from DELTA projects, including the deliverables available to the public of (almost) all projects carried out from January 1992 to May 1994.

**"Insights on policy impact: Policy making and monitoring of OFDL development"**

This publication examines the impact of public policies in the field of open, flexible and distance learning (OFDL), as examined by the working panel on "Policy impact" set up by the TRIBUNE project of the DELTA programme.  
Price: 20 ECU

**"Exploitation of European research and development"**

This publication, the fifth of the TRIBUNE collection, deals with the thirty current DELTA projects which are examined individually from the point of view of how they intend to exploit and disseminate the results of the project.

Contact: Telematics Applications Programme Education and Training Sector  
Fax + 32 2 2962392

**DRIVE / ATT**

**"Towards an intelligent transport system"**

Proceedings of the First World Congress on Applications of Transport Telematics and Intelligent Vehicle-Highway Systems, Paris (F), 30 November - 3 December 1994. Available from Artech Books,

price £320 (6 volumes, ISBN 0-89006 825-9).

Fax + 44 171 6300166  
E-mail  
bookco@artech.demon.co.uk

**RACE**

RACE 1995: Final annual review of the Race programme giving the latest results and statistics of the RACE projects.

Contact: Race Central Office  
Fax + 32 2 2950654

**TIDE**

Technology initiative for disabled and elderly people bridge phase synopsis, December 1994: 1995 Bridge Phase Synopsis.

Contact: R. Moran  
Fax + 32 2 2990248

**TEDIS**

The TEDIS programme for trade electronic data interchange systems in the Community (DG III), has published a CD-ROM which presents all the results and deliverables of the TEDIS projects launched under the second phase of the programme in 1991.

To obtain a free copy, contact: TEDIS secretariat  
Fax + 32 2 2990286

**INDUSTRIAL TECHNOLOGIES**

Two Publications of summary reports of projects referring to Primary Raw Materials and Recycling Programmes 1990-1992 are now available. Volume 3A (EUR 15870 EN) covers Extractive Metallurgy and Metals Recycling and 3B (EUR 15871 EN) covers Mineral Processing.

Contact: A. Adjemain  
Fax + 32 2 2958046

**STANDARDS, MEASUREMENTS & TESTING**

A summary of the main conclusions of a series of scientific workshops discussing trends in the field of environmental analysis has been published (EUR 16000). Special issues of international journals have also been published, including original (peer reviewed) contributions from the participants. The following issues are available or will be published in the first trimester of 1995:

- Proceedings of the Workshop on Trends in Surface Analysis (Lisbon, 23-25 January 1995). A separate issue of Trends in Analytical Chemistry has also been published, giving the views of European experts in the form of review papers on different aspects of surface water analysis.
- Proceedings of the Workshop on Trends in Speciation Analysis (Rome, 20-22 February 1994).
- Proceedings of the Workshop on Quality Assurance of Sampling and Sample Pre-treatment for Sediment and Soil Analysis (Barcelona, 8-10 May 1994).

Contact: Ph. Quevauviller  
Fax + 32 2 2958072

**ENVIRONMENT**

**"The Environment - at the heart of European R&D" The European Union's environmental research programmes.**



## ADVANCED COMMUNICATIONS TECHNOLOGIES AND SERVICES - ACTS

- Areas**
- Interactive digital multimedia services
  - Photonic technologies
  - High-speed networking
  - Mobility and personal communications networks
  - Intelligence in networks and service engineering
  - Quality, security and safety of communication services and systems
- Horizontal actions.

**Next Call** 15 Sept. 95 **Deadline** 1 March 96

**Contact** Fax + 32 2 2950654  
E-mail via Internet: ACO@postman.dg13.cec.be

**Exploratory Awards for SMEs** see text opposite

## TELEMATICS

- Areas**
- Telematics for services  
*Administrations, Transport*
  - Telematics for knowledge  
*Research, Education & Training, Libraries*
  - Telematics for improving employment and quality of life  
*Urban & Rural Areas, Healthcare, Disabled & Elderly People, Environment, Exploratory Actions*
  - Horizontal RTD activities  
*Telematics Engineering, Language Engineering, Information Engineering*
  - Support actions

**Deadline** 1st call for Libraries, Telematics Engineering and Information Engineering and 2nd call for Language Engineering: 15 June 95

**Next Call** 1st call Disabled & Elderly People and 2nd call Transport: 15 Sept. 95; **Deadline** 15 Dec. 95

**Contacts** Libraries, Language Engineering, Information Engineering  
Fax + 352 4301 34079  
E-mail telematics@mhsg.cec.be  
Other sectors: Fax + 32 2 2952354

**Exploratory Awards for SMEs** see text opposite

## INFORMATION TECHNOLOGIES

- Domains**
- Software technologies
  - Technologies for components and subsystems
  - Multimedia systems
  - Long-term research
  - Open Microprocessor System Initiative (OMI)
  - High-performance computing and networking (HPCN)
  - Technologies for business processes
  - Integration in manufacturing

**Next Call** 15 Sept. 95

**Contact** I T Information Desk  
Fax + 32 2 2968388  
E-mail infodesk @dg13.cec.be  
World-Wide web: <http://www.ecrc.de/> and <http://www.cordis.lu>

**Exploratory Awards and CRAFT for SMEs** see text opposite

## INDUSTRIAL AND MATERIALS TECHNOLOGIES (BRITE-EURAM III)

- Areas**
- I: Production Technologies
  - II: Materials and Technologies for Product Innovation
  - III: Technologies for Transport Means
  - IIIA: Aeronautics Technologies
  - IIIB: Technologies for Surface Transport Means

### Deadlines for next call

- Industrial and basic research projects Areas I, II and III: 31 Jan. 96
- Thematic networks: continuously open until 17 Dec. 97

**Contact** Fax + 32 2 2958046

- Exploratory Awards and CRAFT for SMEs: see text opposite

**Contact** Fax + 32 2 2994635

## STANDARDS, MEASUREMENTS AND TESTING (SMT)

- Themes**
- I: Measurements for Quality European Products
  - II: Research related to written standards and technical support to trade
  - III: Measurements related to the needs of society

### Deadlines for next call

- Industrial and basic research projects only in Theme I: 19 April 95
- Thematic networks in Themes I, II and III: continuously open until 17 Dec. 97
- RTD proposals addressing objectives of Themes II and III 15 Nov. 95
- RTD in support of Community Policy: 17 Dec. 97
- Exploratory Awards and CRAFT for SMEs: see text opposite

**Contact** RTD projects and Thematic Networks proposals  
Fax + 32 2 2958072

Technology Stimulation: Exploratory awards and cooperative research (CRAFT) projects  
Fax + 32 2 2994635

*This chart can be pulled out and used as a wall poster for future reference. The information on calls, deadlines and remaining funding will be updated in further charts on a regular basis.*

# FOURTH FRAMEWORK PROGRAMME (1994-1998)

## ENVIRONMENT AND CLIMATE

- Themes**
- 1: Research into the natural environment, environmental quality and global change
  - 2: Environmental technologies
  - 3: Space techniques applied to environmental monitoring and research
  - 4: Human dimensions of environmental change

**Deadline for present call** 27 April 95

**Contact** Fax + 32 2 2963024 / 2960588

**Exploratory Awards and CRAFT for SMES** see text opposite

## MARINE SCIENCE AND TECHNOLOGY PROGRAMME (MAST-III)

- Areas**
- A: Marine Science
  - B: Strategic Marine Research
  - C: Marine Technology
  - Other: Dissemination and exploitation of results of MAST-I and MAST-II projects, including demonstration projects.

**Deadline for present call Area A3 and B1.2** 15 June 95

**Exploratory Awards and CRAFT for SMES** see text opposite

**Contacts** Fax: 32 2 2963024

Exploratory awards and cooperative research (CRAFT) projects:

Fax + 32 2 2963024

**(MAST-III): Area D.1**

Call for Proposals to organise advanced study courses

**Deadline** 3 April 95.

Call for applications for individual fellowships

**Deadline** 17 July 1995 (Autumn round).

**Contact** Fax + 32 2 2963024

## BIOTECHNOLOGY

- Areas**
- 1: Cell factories
  - 2: Genome analysis
  - 3: Plant and animal biotechnology
  - 4: Cell communication in neurosciences
  - 5: Immunology and transdisease vaccinology
  - 6: Structural biology
  - 7: Pre-normative research, biodiversity and social acceptance
  - 8: Infrastructures
- Horizontal activities  
Demonstration activities related to the above-mentioned subjects  
Public perception.

**Next Call** 15 Sept. 95

**Deadline** Expected for 15 Dec. 95

**Contact** Fax + 32 2 2955365

**Exploratory Awards for SMES** see text opposite

## TECHNOLOGY STIMULATION MEASURES FOR SMES: EXPLORATORY AWARDS AND CRAFT

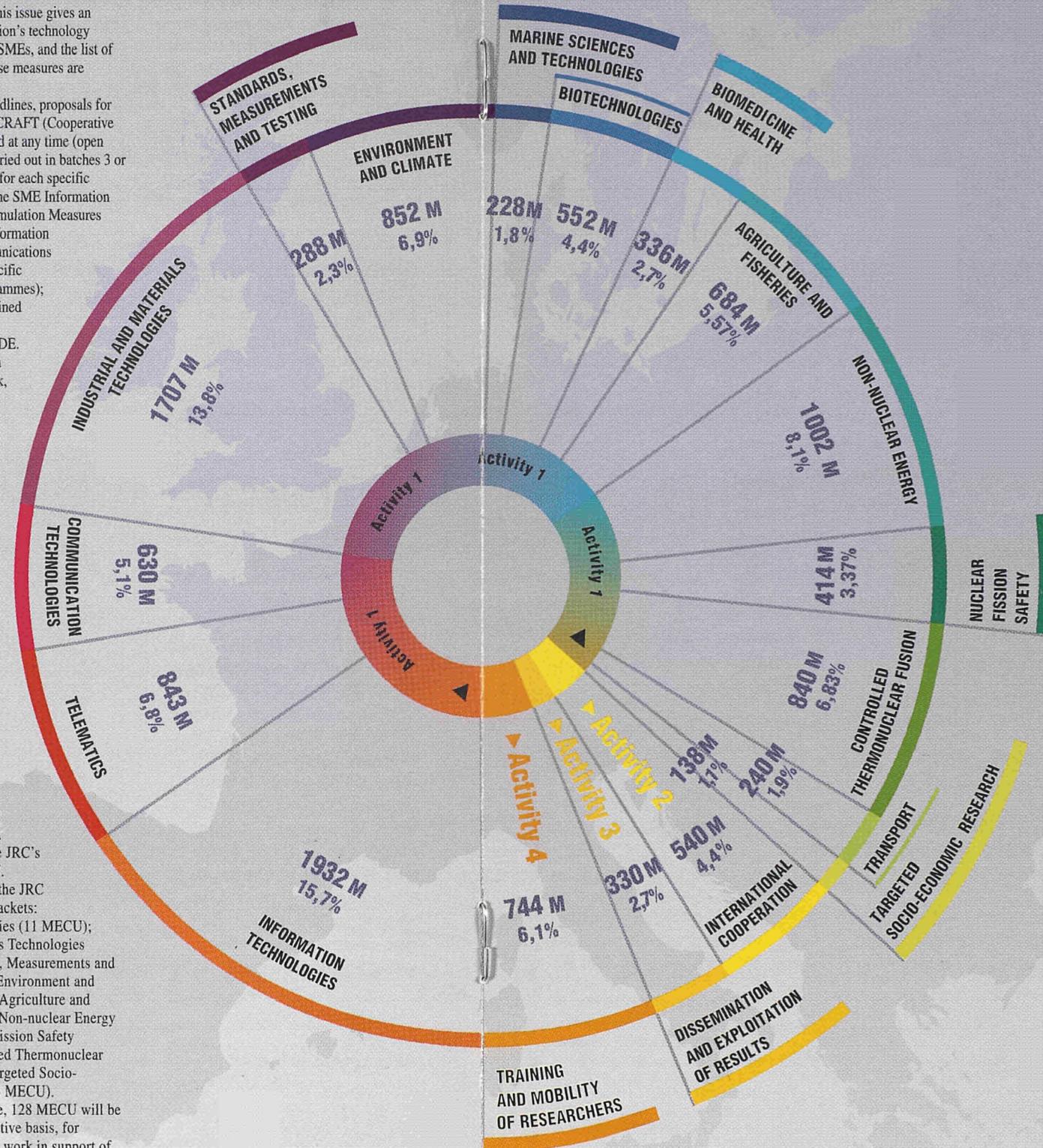
The article on page 2 of this issue gives an overview of the Commission's technology stimulation measures for SMEs, and the list of programmes in which these measures are implemented.

As concerns calls and deadlines, proposals for Exploratory Awards and CRAFT (Cooperative research) can be submitted at any time (open calls). Evaluations are carried out in batches 3 or 4 times a year. Deadlines for each specific programme are given in the SME Information Package "Technology Stimulation Measures for SMEs" (except for Information Technologies and Communications Technologies: see the specific Infopacks for these programmes); the dates can also be obtained through the interactive telematics service ARCADE.

For more information or a copy of the SME Infopack, contact G. Clarotti, Fax + 32 2 2957110.

## JOINT RESEARCH CENTRE AND COMPETITIVE SUPPORT ACTIONS

Alongside the programmes below, activities will also be undertaken by the Joint Research Centre (JRC). The total budget for the JRC's activities is 900 MECU. The budget devoted to the JRC activities is given in brackets: Information Technologies (11 MECU); Industrial and Materials Technologies (90 MECU); Standards, Measurements and Testing (105 MECU); Environment and Climate (294 MECU); Agriculture and Fisheries (47 MECU); Non-nuclear Energy (20 MECU); Nuclear Fission Safety (254 MECU); Controlled Thermonuclear Fusion (46 MECU); Targeted Socio-economic Research (33 MECU). In addition to the above, 128 MECU will be allocated, on a competitive basis, for scientific and technical work in support of Community policies.



**Budget Breakdown**  
M = MECU (Million ECU)

## BIOMEDICINE AND HEALTH

- Areas**
- 1: Pharmaceuticals research
  - 2: Research on biomedical technology and engineering
  - 3: Brain research
  - 4: Research on diseases with major social economic impact - from basic research into clinical practice
  - 5: Human genome research
  - 6: Public health research, including Health Services Research
  - 7: Biomedical ethics
  - 8: Horizontal activities
- Ethical, legal and social aspects (ELSA) and Demonstration.  
Next call for proposals expected for March 96 (all areas)

**Deadline for research fellowships**

31 March 96 for Areas 1, 2, 3 and 5

31 Dec. 96 for Areas 4, 6, 7 and 8

31 Dec. 97 for all areas.

**Contact** Fax + 32 2 2955365

**Exploratory Awards and CRAFT for SMES** see text opposite

## AGRICULTURE AND FISHERIES

- Areas**
- 1: Integrated production and processing chains
  - 3: Generic science and advanced technologies for nutritious foods
  - 4: Agriculture, forestry and rural development
  - 5: Fisheries and aquaculture
  - 6: Objectives addressed by concertation Demonstration (Areas 4 & 5)
- Ethical, legal and social aspects - ELSA  
Research training and mobility grants

**Next Call** 15 June 95

**Deadline** 15 Sept. 95

**Contact** Fax + 32 2 2964322

**Exploratory Awards and CRAFT for SMES** see text opposite

## NON NUCLEAR ENERGY (Joule-Thermie)

- Areas**
- 1: Energy Research, Development, Demonstration and Dissemination Strategy
  - 2: Rational Use of Energy
  - 3: Renewable Energies
  - 4: Fossil Fuels

**R&D projects DG XII**

**Next call** Sept. 96, **Deadline** Jan. 97

**Demonstration projects DG XVII**

**Next call** Sept. 95, **Deadline** Jan. 96.

**Energy Technology Dissemination, Concerted Actions and Concertation Networks, Preparatory, Accompanying and Supporting Activities (DG XII & DG XVII)**  
Continuously open call up to 17 Dec. 97.

**Contacts** DG XII: Fax + 32 2 2950656

DG XVII: Fax + 32 2 2950577

**Exploratory Awards and CRAFT for SMES** see text opposite

## NUCLEAR FISSION SAFETY

- Areas**
- Exploring Innovative Approaches
  - Reactor Safety
  - Radioactive Waste Management and Disposal and Decommissioning

**Contact** W. Balz  
Fax + 32 2 2954991

- Areas**
- Radiological Impact on Man and the Environment
  - Mastering Events of the Past.

**Contact** J. Sinnaeve  
Fax + 32 2 2956256

**Deadline** 28 Feb. 96

## CONTROLLED THERMONUCLEAR FUSION

- Areas**
- 1: Next step activities
  - 2: Concept improvements
  - 3: Long-term technology

### Implementation

- Projects are covered by shared-cost RTD contracts within the framework of:
- Association contracts with Member States (+ Switzerland) or MS organizations
  - JET (Joint European Torus) Joint Undertaking
  - NET (Next European Torus) Agreement
  - JRC (Joint Research Centre)
  - Limited duration contracts and industrial contracts.

*There are no calls for proposals*

**Contact** Fax + 32 2 2964252

## TRANSPORT

- Areas**
- 1: Strategic research
  - 2: Rail transport
  - 3: Integrated transport chains
  - 4: Air transport
  - 5: Urban transport
  - 6: Waterborne transport
  - 7: Road transport.

**Next Call** 15 Sept. 95

**Deadline** 15 Dec. 95

**Contact** Fax + 32 2 2954349

**Exploratory Awards for SMEs** see text opposite

## TARGETED SOCIO-ECONOMIC RESEARCH (TSER)

- Areas**
- I: Evaluation of Science and Technology Policy options
  - II: Research on Education and Training
  - III: Research into Social exclusion and Social integration in Europe

**Deadline for present call** 8 June 95

**Contact** Fax + 32 2 2962137  
E-mail: d.corpakis@mhsq.cec.be

## INTERNATIONAL COOPERATION

### Area A2: Eastern Europe

**Next call:** Sept. 95, **Deadline:** Dec. 95

### Area B: Non-European industrialized countries

#### Present call deadlines

1 June 95, March 96, March 97, March 98

### Area C: Developing countries

#### Present call deadlines

Human vaccine related research and  
Livestock health research: 15 June 95  
Rest of programme: 6 Sept. 95

**Contacts** Area A2: Fax + 32 2 2966020  
Area B: Fax + 32 2 2969824  
Area C: Fax + 32 2 2966252

## DISSEMINATION AND EXPLOITATION OF RESULTS (THIRD ACTIVITY)

Work covers the promotion of innovation in local industry and Community RTD programmes and their results.

**Deadline for present call** 15 June 95

**Next Call** 15 Sept. 95

**Contact** Fax + 352 4301 34129

## TRAINING AND MOBILITY OF RESEARCHERS (TMR)

- Activities**
- 1: Research networks
  - 2: Access to large-scale facilities
  - 3: Training through research
  - 4: Accompanying measures (euroconferences, summer schools and practical training courses)

### Deadline access to large-scale facilities

18 April 95, 12.00 hrs.

### Deadline accompanying measures

18 April 95, 12.00 hrs.

### Deadline training through research

15 May 95, 12.00 hrs.

### Deadline research networks

15 June 95, 12.00 hrs

**Contact** Fax + 32 2 2962136 / 2962133 / 2956995 / 2963270

This overview gives some idea of the scale of the European Union's environmental research initiatives. Several hundred projects, covering virtually the whole spectrum of human activity, are tackling environmental issues within the framework of the Community RTD programmes.

Available in English, French, German, Italian and Spanish (EUR 15882).

Contact: M. Claessens  
Fax + 32 2 2958220

**"Tropospheric Oxidation Mechanisms"**

Proceedings of the joint EC/EUROTRAC/GDCh workshop LACTOZ-HALIPP. Leipzig, Germany, 20-22 September 1994.

Ed. K.H. Becker.

**"STEP Leather project: Evaluation of the correlation between Natural and Artificial ageing of Vegetable Tanned Leather and Determination of Parameters for Standardization of an Artificial Ageing Method"**



Ed. R. Larsen, *Protection and Conservation of the European Cultural Heritage Research Report No.1*, January 1995.

**"Second European Stratospheric Arctic and Mid-latitude Experiment (SESAME) 1994-1995. A European contribution to the stratospheric ozone issue."**

Information brochure available in English, French, German, Italian and Greek.

Contact: J. Acevedo  
Fax + 32 2 2963024

**Software**

Two STEP projects (STEP-0034 and 0032) have had a leading role in the elaboration of a mathematical model simulating the movement of water and the transfer and fate of agro-chemicals in crops and soils – the WAVE model. This can be used to simulate the effect of farming practices and other land uses on the quality of soils and ground water and can be a tool for evaluating policies regarding the use of fertilizers, pesticides and herbicides.

The WAVE software and reference manual is now available as a commercial product.

Contact: P. Reiniger  
Fax + 32 2 2963024

**NUCLEAR FISSION SAFETY**

Technical seminar on melting and recycling of metallic waste materials from decommissioning of nuclear installations, (EUR 15691 EN).

Price (excl. VAT): 46.50 ECU.

Contacts: OPEEC,  
Fax + 352 488 573 or  
K. Pflugrad,  
Fax + 32 2 295 49 91

Community research and development programme on decommissioning of nuclear installations 1989-94 : Annual progress report 1993, covering 84 contracts (EUR 15854 EN).

Price (excl. VAT): 36.50 ECU.

Contacts: OPEEC,  
Fax + 352 488 573 or  
G. Cottone,  
Fax + 32 2 295 49 91

Indoor Radon Remedical Action - The scientific basis and the practical implications: Proceedings of the First International Workshop held in Rimini (I), June 27 to July 2,

1993 (EUR 16005 EN).

Radiation Protection Dosimetry Vol. 56 Nos. 1-4, 1994

Published by Nuclear Technology Publishing.

Contact: M. Olast, XII-F-6,  
Fax + 32 2 2966256

Quality Control and Radiation Protection of the Patient in Diagnostic Radiology and Nuclear Medicine Proceedings of a Workshop held in Grado (I).

from 29 Sept. to 1 Oct. 1993, (EUR 15257 EN)

Radiation Protection Dosimetry, Vol. 57, Nos 1-4, 1995.

Published by Nuclear Technology Publishing.

Contact: H. Schibilla,  
Fax + 32 2 2966256

**AIR**

Workshop on Industrial Uses of Oilseeds

Report of a Commission workshop held on 25 January 1995 on the industrial uses of oilseeds, to present the results of four ECLAIR projects and to look for future research priorities. The projects covered breeding, production, processing and industrial utilization of established and new oilseeds. Available in English.

Contact: B. Kerckow  
Fax + 32 2 2964322

**ECLAIR Mid-Term Progress Report**

A brochure on the mid-term progress report of the ECLAIR programme (European Collaborative Linkage of Agriculture and Industry through Research) has now been published. The results of 40 projects are presented. Available in English (EUR 16047 EN).

Contact: B. Kerckow  
Fax + 32 2 2964322

**BIOTECH**

**1994 Report on Protein Engineering R&D Programmes in Europe**

The report reflects the overall objective of coordination of national and EC RTD programmes in protein engineering, as a test case before possible extension to other biotechnology areas. Compiled with national experts, it presents factual information on the national protein engineering RTD programmes in 16 countries, plus EMBL and the European Commission.

Contact: P. de Taxis du Poet  
Fax + 32 2 2955365

**BIOTECH Progress Report 1994**

This report reviews the research activities carried out in the BIOTECHNOLOGY programme under the Third Framework Programme. It corresponds to the first year of project implementation. The 99 individual projects selected following the first call for proposals in 1992 have led to 16 concerted actions, 63 basic research projects, 6 generic research projects and 4 projects of technological priority. Volume I covers, in a very concise way, the results achieved in the different projects and provides the addresses of the participants. Volume II consists of more extensive and detailed reports of research activities jointly presented by the different participants in each project.

Contact: P. de Taxis du Poet  
Fax + 32 2 2955365

## **INFORMATION TECHNOLOGIES**

### **"ASI '95: Intelligent control and integrated manufacturing systems"**

Conference organized in the framework of an ESPRIT Network of Excellence in intelligent control and the integration of manufacturing systems (ICIMS). The central theme of ASI '95 will be "Life-cycle approaches to Production Systems".

Lisbon (P), 25-28 June

Contact: P. Groumpos

Fax + 30 61 997309

E-mail [lar@ee.upatras.gr](mailto:lar@ee.upatras.gr)

or

A. De Oliveira

Fax + 351 1 4866752

12th International Information Security Conference on "Information systems securities: Facing the information society of the 21st century", Samos (Greece) 21-24 May 1996  
Deadline for submission of papers to the conference is 15 July 1995 to:

Prof. S. Katsikas

Fax + 30 1 6448428

### **"10th Plenary Meeting of the European ISDN User Forum"**

Berlin (D), 22-24 May

Contact: EIUF Secretariat

Fax + 32 2 2961740

## **TELEMATICS**

Health Telematics '95, "Health in Information Society"

Ischia (I), 2-6 July

Contact: M. Bracale

Fax + 39 81 7623909

World Conference on Computers in Education

ICC-Birmingham (UK), 23-27 July

Contact: J. Gomesch

Fax + 44 171 537 4846

## **BRITE-EURAM III**

Workshop on "Rapid Prototyping" in the framework of the 4th European Conference on Rapid Prototyping and manufacturing.

Belgirate (I), 13-15 June

Contact: H.H. Pedersen

Fax + 32 2 2958046

## **STANDARDS, MEASUREMENTS & TESTING**

Presentation of the SM&T Programme and Information Stand in the framework of the Exhibition and Conference on Biochemical Analysis.

Leipzig (D), 15-18 April

Contact: C. Dirscheri

Fax + 32 2 2958072

CC Conference on Cereals in Future Nutrition in which the SM&T Programme will be presented (conference and information Stand).

Vienna (A), 22-25 May

Contact: A. Boenke

Fax + 32 2 2958072

SM&T Information Days focusing on Cultural Heritage, Environment and SMEs.

Athens (GR), June

SM&T Information Days focusing on Theme III - Measurement related to the needs of society (in particular Theme III-2 environmental monitoring and Theme III-3 protection of the cultural heritage) and on specific actions for SMEs.

Rome (I), June

Contact: E. Maier and P. Salieri

Fax + 32 2 295 80 72

## **MAST**

Second MAST Days and EUROMAR Market. Sorrento (I), 7-10 November  
Announcement and Call for Papers

Abstracts for oral presentations to scientific sessions should be submitted by 15 April 1995 to: European Commission, DG XII/D-3, MAST Programme SDME 3/85

Rue de la Loi 200  
B-1049 Brussels, Belgium

For further information contact:

Fax + 32 2 2963024

## **FUSION**

"Fusion EXPO" is at the Instituto Superior Técnico, Lisbon, from 2 April until 9 May.

## **NUCLEAR FISSION SAFETY**

Workshop on PEGASUS Project on Effects of Gas in Underground Storage for Radioactive Waste - Rapolano Terme, Siena (I), 14-16 June.

Contact: B. Haijink,

Fax + 32 2 2954991

Workshop on decommissioning data bases (EC DB TOOL and EC DB COST), Universität Hannover (D), 12-13 June.

Contacts: K. Pflugrad,

Fax + 32 2 295 49 91,

A. Rahlfs-Marhold,

Fax + 49 511 762 52 45

Fifth Training Course on Off-Site Emergency Response to Nuclear Accidents  
Studiecentrum voor Kernenergie SCK-CEN, Mol (B), 26-30 June.

Contact: E. Vangelder,

Fax + 32 14 32 10 56,

E-mail: [evangeld@sckcen.be](mailto:evangeld@sckcen.be)

## **HUMAN CAPITAL & MOBILITY (HCM)**

The complete list of Euroconferences for spring to autumn 1995 is now available. Venues and dates of the Euroconferences are given, with the name and fax number of the Euroconference organizers. Young researchers who are aged 35 or under can benefit from support to attend the Euroconferences. Detailed information is available from the Euroconference organizer.

For general information

Contact:

E. Whitehead

Fax + 32 23 2963270

Conference organizers interested in applying for future Euroconference support should note that the Human Capital and Mobility Programme (1990-1994) has been superseded by the Training and Mobility of Researchers (TMR) Programme (1994-1998). For further information on funding possibilities for Euroconferences, Summer Schools and Practical Training Courses in 1996, please apply for the Information Package (see Calls Updates, TMR Programme).

## **INTERNATIONAL COOPERATION**

A colloquium on Scientific and Technical cooperation policy in the Mediterranean region between the European Union and third Mediterranean countries was organised jointly with the French Presidency. A series of 4 workshops was organised to provide the 300 invited participants with background information.

Sofia-Antipolis (F), 21-22 March.

Contact: M. Kayamanidou

Fax: + 32 2 296 62 52

(continued from page 2)

With its success now firmly established, the CRAFT scheme has come to play a leading role in Community RTD. More than ever, European SMEs will find easier access to Community support, and given the critical role of SMEs in powering the European economy, one of the winners is sure to be Europe itself.

## CRAFT example project

### A new material for artificial limbs

Five SMEs are aiming to improve manufacturing techniques for bone prostheses (artificial limbs and other bone replacements) by developing a basic material made of titanium covered with organic substances. This material has the advantage of being highly stable and medically very safe.

The project was proposed by six SMEs (at Step 1). Two German SMEs later withdrew from the project, while an Italian SME joined the consortium. The research itself is sub-contracted to four organisations in France, Italy and Germany (Step 2).

For further information contact:  
G. Clarotti, Fax + 32 2 2957110

## About RTD Info

RTD Info is published every two months by the European Commission, DGXII, Science Research, Development. To obtain the newsletter free of charge in English, French or German, fax your name and address, with the language version you require to:

DGXII Information Services,  
Fax + 32 2 2958220

## QUESTIONNAIRE

In order to improve the quality of *RTD Info* and meet the needs of our customers, we'd like to have your opinions and comments on the newsletter. Can you please fill in the questionnaire below and mail or fax it to us. You can, of course make a photocopy and use this instead of the original, as long as the quality is good. We hope that your comments will help to make *RTD Info* more useful and informative. Please mail or fax the questionnaire to: M. Claessens, European Commission, DGXII, Information and Communication Unit, 200 rue de la Loi, B-1049 Brussels, Belgium. Fax + 32 2 2958220.

Please describe your organisation:

- University or research institution
- Public administration → Sector .....
- Industry → Sector .....
- If an SME please tick here
- Other

What is your position in your organisation?

- Researcher
- Teacher
- Administrator
- Manager
- Technician
- Student
- Other

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Do you read any of the following publications?

- CORDIS Focus*
- IT Magazine*
- Innovation and Technology Transfer*
- RTD Magazine*

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- Increase the amount of information and number of pages
- Include more information on calls for proposals and evaluations
- Include more information on events (conferences etc.)
- Include more information on publications
- Give more examples/descriptions of projects
- Give more funding information about programmes (remaining budgets, future calls, etc.)
- Other:

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- Practical
- Concise
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- Other:

What faults would you highlight in *RTD Info*?

- Difficult to read
- Too brief
- Inappropriate language version (specify language required .....
- Delay in distribution
- Other:

**BRITE-EURAM III**

The first call closed on March 15. Proposals will be evaluated in April-May 1995. First results will be available in the second half of July. Before the closing date, about 1000 pre-screening forms were received, involving more than 7000 potential partners; about 10% of the proposals have been discouraged to continue or reoriented towards other programmes.

**CRAFT**

Following the launching of the call for proposals, 56 proposals (stage 1) and 25 proposals (stage 2) were received by 25 January 1995 and evaluated. First results are expected to be available in the second half of March.

**STANDARDS, MEASUREMENTS & TESTING**

The first call for proposals will close on April 19. Proposals will be evaluated in May and the first results will be available in the second half of June.

**TMR**

The first call for proposals under the new Training and Mobility of Researchers Programme, opened on 17 January 1995 for all activities under the programmes. Deadlines for submission of proposals: Research Networks: see centre pages of this issue.

The second call for proposals for Research Training Grants and

for Euroconferences and other training courses will be published on 15 June 1995. A full Information Package, with application forms that can be photocopied, is available from the programme's Contact Points in Member States. Information about the TMR programme can also be obtained from the European Commission.

Contact: G. Blythe  
Fax + 32 2 2963270

**STOP PRESS:**

The Information Package for TMR Research Training Grants is now available on the World Wide Web at

<http://www.cordis.lu>

Contact: CORDIS HELP DESK  
Tel: + 352 34 98 1240

**NUCLEAR ENERGY PROGRAMME (JOULE-THERMIE)**

**JOULE Information Brochure Corrigenum**

The JOULE Information Brochure, Section 1, sub-section "Implementation", paragraph 1.4, entitled "Technology Stimulation for SME's" contains some errors which may cause confusion with the special SME Information Package "Technology Stimulation Measures for SME's", which contains the proposal application forms. The later document should be considered as the reference document for all matters relating to SME exploratory or cooperative research applications and eligibility criteria.

Contact: I. Tenten  
Tel + 32 2 2955840

**TELEMATICS APPLICATIONS**

A call has been published (OJ C64 of 15.3.95) for the following sectors: Libraries, Telematics Engineering and Information Engineering, together with the electronic language resources tasks in Language Engineering. Closing date: 15 June 1995.

For further information contact:  
Fax + 352 4301 34959

**INFORMATION TECHNOLOGIES**

A second call for proposals has been published (OJ C64 of 15.3.95), closing on 15 June

1995. This call includes the European Software and Systems Initiative (ESSI), an accompanying measure to the IT programme. Closing date: 15 June 1995.

For further information and a copy of the IT workprogramme and information package, contact:

IT Information Desk  
Fax + 32 2 2968388  
E-mail [infodesk@dg13.cec.be](mailto:infodesk@dg13.cec.be)

**DISSEMINATION AND EXPLOITATION OF RTD RESULTS**

A call has been published for the Third Activity of the Fourth Framework Programme (OJ C64 of 15.3.95). It concerns proposals for technology validation

and technology transfer projects. Closing date: see centre pages of this issue.

Contact: European Commission,  
DG XIII-D-1  
Fax + 352 4301 34129

**INTERNATIONAL COOPERATION**

The 2nd Activity of the Fourth Framework Programme dealing with RTD cooperation with third countries and international organizations is now operational. Under Part B of this programme - cooperation with non-European industrialised countries - a call for proposals for European researchers and engineers to undertake research & training in Japan and Korea was launched on 15 February 1995 with a

deadline of 1 June 1995 (N.B. for industrial manufacturing fellowships the special deadline was 31 March).

Contact: A. Andrikopoulou  
Fax + 32 2 2969824

Under Part C of this programme - S&T cooperation with Developing Countries - a call for proposals has been published (OJ C64 of 15.3.95) with a deadline of 15 June 1995 for the areas of Human Vaccine Related Diseases and for Livestock Health Research, and 6 September for all other topics covered by the call.

Contact: T.J. Hall  
Fax + 32 2 2966252