



News Roundup on EC Research and Technological Development Programmes

Research Industry Task Forces Define Priority Objectives

Identification of research bottlenecks that slow the development of these new technologies

The eight research/industry task forces created by the European Commission last year (see *RTD Info N° 11*) have now successfully completed their first milestone: to define the technological difficulties which prevail in each of the areas, and identify the specific research actions that are needed.

The task forces aim at examining opportunities for closer cooperation in specific areas of R&D; they help to define the research areas more clearly, in consult-

ation with industry, including SMEs, and users. Recommendations from the different task forces regarding research priorities are summarised in a document drawn up by Directorate-General XII "Science, research and development" and given to the Research Council of Ministers on 25 March 1996.

The task forces cover: the car of tomorrow; educational software and multimedia, new-generation aircraft; vaccines and viral diseases, trains and railway systems of the future, intermodal transport, maritime

systems of the future, and environmental issues, with a particular focus on water. These topics were chosen as priority areas by the Commission because they are important factors for the future competitiveness, employment and quality of life of EU citizens; they are areas where Europe is seen to be less competitive than the United States and Japan.

The primary areas for technological improvement are given in the box below.

Primary areas for improvement

Car of tomorrow. Better quality batteries that are easier to recharge and simpler to recycle • Advanced fuel cells that use no moving parts and produce energy using chemical reactions • Hybrid vehicles which combine internal combustion and electric power • Reduction of polluting exhaust gases.

New-generation aircraft. Development of networks and processes to allow "distributed concurrent engineering", where design is done simultaneously by several centres of excellence working in various parts of the European Union • More fuel-efficient and streamlined aircraft design • Reducing the size, noise and harmful

emissions of planes, to make them more ecological.

Educational software and multi-media. A variety of research actions are required to ensure that Europe's educational resources evolve in step with the emerging Information Society. These priorities include: Development of new tools and methods to evaluate the educational needs of various levels of the population • development of advanced multimedia teaching software • integrating systems for quality control, copyright protection, etc. • systems for the electronic distribution of courses.

Intermodal transport. An important key to competitiveness is better compatibility between various transport modes. Six priority topics have been defined in this sector: low cost for intermodal freight terminal facilities • practical intermodal freight networks • integration of private car and road freight in more environmentally-friendly structures • improved intermodal links for urban and inter-urban passengers • point of transfer facilities for passengers that meet real user needs.

Vaccines and viral diseases. Research should be concentrated on: theoretical research on the cellular and molecular mechanisms of the immune response system and pathogenesis of micro-organisms • development of new, and

(continued on page 2)

(Task Force report, continued from page 1)

improvement of existing, production systems • improvement of vaccine bio-security and combination of vaccines • development of vaccines with major socio-economic impact • improvement of European infrastructures to facilitate marketing of vaccines • development of immunisation policies and vaccination of the very young and elderly.

Environment – water. Creation of efficient and effective management structures for water resources.

Trains and railway systems of the future.

The development of modular high-speed trains • rail systems that fit urban mobility needs • a European rail traffic management system • a ‘virtual factory’ concept that allows production and validation of rail technology in several centres of excellence located across the Union • optimised freight and rail systems.

Maritime systems of the future. Several primary research objectives have been defined: coordinated use of the 4th Framework Programme • track developments of

the Maritime Information Society (MARIS) initiative • improve the exploitation of results and demonstration activities • explore the potential offered by other programmes and make recommendations to the 5th Framework Programme. ■

For individual contacts for Task Forces, see RTD Info N° 11.

For copies of the mid-term report, Fax +32 2 2958220

The Contract: an integral part of research projects

An important part of every Community research project is the contract signed by the Commission and the project contractor(s). This contract sets out, notably, reimbursable costs, deliverables, and – for the results – property rights and the means of dissemination and exploitation.

A model contract has been produced for the Fourth Framework Programme and was briefly presented in RTD Info N° 10. It is simpler and about half as long as previous ones.

The model contract has been officially approved by the Commission: it is mandatory for all the RTD programmes and forms the basis from which all the other contracts (see table below), which have been produced to take into account the specifics of certain other activities, are derived. In the table below, the model contract is contract No. 1; contracts No. 2 and 3 are even simpler and shorter than the model contract and apply to less financially onerous projects. These three contracts cover 90% of all projects.

To accelerate the negotiation process, future project contractors are advised to make themselves familiar with the model contract* (No. 1 in the table). ■

* “Model contract”, ISBN 92-827-5418-9. Copies can be obtained from DG XII’s Information and Communication Office, Fax + 32 2 2958220 or downloaded from the Commission’s EUROPA WWW server (<http://europa.eu.int>).

DESCRIPTION OF THE MAIN RESEARCH CONTRACTS USED BY THE COMMISSION

CONTRACT NAME	AIM
1. Cost Reimbursement Model Contract	Carry out an RTD project
2. Reimbursement by Fixed Instalments Model Contract (up to 400 000 Ecus per year per project)	Carry out an RTD project
3. Fixed Contribution Model Contract (100 000 Ecus per year per project)	Carry out small-scale projects
4. SME - Exploratory Award (research, thematic or demonstration networks)	Encourage and facilitate the participation of SMEs in Community research programmes
5. SME - Cooperative Research	Enable SMEs - with or without research facilities - to enter into a contract with a third party which will carry out the research
6. Scientific Meetings	Scientific meetings, training of researchers, and training courses
7. Thematic Networks	Encourage research teams to work together on a common objective
8. Concerted Actions	Coordination of RTD projects already funded by public or private organisations
9. Large-Scale Facilities	Give researchers access to large-scale research installations in Europe

A WORLD FIRST THANKS TO A COMMUNITY RTD PROJECT

Unravelling the Mysteries of the Yeast Genome

**Globally-networked
research project combines
knowledge of 100 European laboratories**

Recently released findings from a multi-country project funded through several EU research programmes have yielded vital new information on the genetic sequence of the yeast genome; these results open the door to the possibility of new cures for a long list of fatal diseases, including several types of cancer, cystic fibrosis and kidney disease.

The yeast genome is the first complete DNA sequence from a higher species to be fully determined. The sequence data provides a wealth of data to the medical, pharmaceutical and industrial communities, who can use this new-found knowledge to develop new industrial enzymes, therapeutic agents and for further advances in human health care.

The importance of this new information stems from the similarity of more than 50% of the yeast genome with the human genes. For researchers, this opens the door to wealth of new possibilities to create new therapies and cures for a wide range of diseases. On publishing the results of the first phase of these research discoveries, *Nature* magazine referred to it as one of the most significant scientific articles of all time.

In addition to the technical and scientific breakthroughs it provides, this research is unique for two further reasons - its high level of European participation, and the worldwide scientific networking approach used. Some 100 European laboratories worked in parallel to solve this research challenge, together with

researchers in the USA, Japan and Canada. More than 55% of the sequencing was supported by European Community research programmes, totalling some 19 MECU.

First chromosome ever sequenced

The project began in 1989, with 37 different research facilities in various European locations responsible for sequencing a specific chromosome. By 1992, the first milestone was reached, with the sequencing of chromosome III and the publishing of these results. This was the first chromosome ever sequenced and the largest continuous sequence of DNA known. Based on this success the research scope and number of participants were extended to the entire yeast genome, with funding through the European Community's BRIDGE programme in 1992-94 and BIOTECH in 1995-96.

The project also sparked an

entrepreneurial spirit in scientists working in several European laboratories. Recognising the significance of this work, several scientists created companies to further their work; the end result was the involvement of 10 new European SMEs.

Of the 6,000 or so genes sequenced in the course of this project, approximately one third had no known function ("orphan genes").

The next phase of the yeast genome project is further research to connect each of these genes to a particular function. To do this a European network of 144 laboratories, called EURO-FAN, has been created. This work will be funded under the current EC BIOTECH Programme (1994-1998). So far more than 120 articles and several TV broadcasts have been devoted to this project.

For further info, contact
Stéphane Hogan
Fax +32 2 2991860

CALLS UPDATES

CALLS UPDATES

ESPRIT 4

A total of 584 proposals were received in response to the third call for proposals, launched on 15 June 1995, representing a requested funding of 1,000.73 MECU. Of these, 132 proposals have been selected, and will receive funding of 145.26 MECU. 155 proposals were submitted following the fourth call, published in September 1995, requesting funding of 212.64 MECU. The Commission has selected 37 of these proposals, which will receive funding of 71.32 MECU.

For further information contact:
IT Information Desk
E-mail: infodesk@dg3.cec.be
ESPRIT has released a "Road Map" of calls for 1996. This sets

out the areas to be covered by the two forthcoming ESPRIT calls for proposals, due to be published on 15 March and 15 September 1996. It also provides information on the areas for which continuous submission of proposals is possible.

The new ESPRIT work programme can be consulted on the CORDIS WWW server, at <http://www.cordis.lu/esprit/src/wp96.html>

For further information contact:
IT Information Desk
Fax + 32 2 2968388
E-mail: esprit@dg3.cec.be

INNOVATION

Dissemination and exploitation of results.
Early indications have been given

of the results of the 15 December 1995 call for proposals for innovation management techniques, which closed on 15 March 1996. A total of 107 proposals were submitted, requesting Commission funding of 37.3 MECU, and involving 392 organizations in the European Economic Area. Of these proposals, 71 were for projects, and 36 for accompanying measures. Since the provisional allocation of funding by the Commission is only 9 MECU, the number of projects selected is likely to be less than one third of the number of proposals submitted. A final decision on the projects to be funded will be taken by the Commission in July 1996.

TELEMATICS

Language Engineering
A total of 58 project proposals involving 514 participants from 20 countries were received following the third call for proposals for RTD actions under the Telematics Applications programme of the Fourth Framework Programme. The 58 project proposals have undergone technical evaluation. The total estimated cost of these projects amounts to some 135 MECU. Of the 58 proposals evaluated, 11 projects (involving 118 participants) were shortlisted and five (involving 52 participants) were retained on the reserve list. The status of the 27 projects selected following the first and second calls for proposals in this

sector and further information on Language Engineering activities are now available.

Contact: R. Cencioni
 Fax + 352 4301 34999
 E-mail: roberto.cencioni@lux.dg13.cec.be
 Web site: <http://www2.echo.lu/langeng/en/call3/report.html>

Libraries

Following the 15 March 1995 second call for proposals, 114 proposals were received for the "Libraries" sector. 94 went through to evaluation and 21 were accepted for funding. These include 14 shared-cost RTD project proposals, six concerted actions and one accompanying measure. The proposals were well distributed among the three action lines of the programme.

For further information contact:
 Fax + 352 4301 33530

Education and Training

31 projects were selected for funding under this sector. An overview of these projects, which represent a total EU contribution of 47 MECU, is given in a project synopsis report recently published by DG XIII.

The 31 projects cover all tasks of the Education and Training work programme with the exception of Task 1.7 (Telematics services for language learning) and Tasks 3.1 - 3.3 (Education and training support actions). These will be covered by a second call for proposals, published in September 1995, for which the results are not yet available.

Copies of the project synopses can be obtained, free of charge, from:
 Fax +32 2 2962392

INFO2000

DG XIII has published a draft work programme for the Community's INFO2000 programme, which aims at stimulating the development of a European multimedia content industry and encouraging the use of multimedia content in the emerging Information Society.

Copies of the draft work programme can be obtained through the World Wide Web, on the I'M Europe server, at:

<http://www2.echo.lu/info2000/en/infofkwpg.html>

For further information on INFO2000 contact: C. Poliati
 Fax + 352 4301 33827

BRITE-EURAM

Thematic Networks

- next evaluation expected in July 1996; deadline for receipt of proposals is 26 June 1996.
- Electronic version of information package specifically for Thematic Networks available on Web site in english: [www: http://www.cordis.lu](http://www.cordis.lu). Printed version expected in Sept. 96 - will also be available in FR, DE, ES, IT.

For photocopies of the "draft" version of the Information Package:
 Fax + 32 2 2967023

Accompanying measures

- Training: next deadline for receipt of proposals is 6 Sept. 1996.
- Guidance note for accompanying measures available on Web site in english: [www: http://www.cordis.lu](http://www.cordis.lu). Printed version expected in Sept. 96 - will also be available in FR, DE, ES, IT.

BIOTECHNOLOGY

Training grants

In all 49 training grants were awarded in 1995 with a selection rate of approximately 50%. This relatively high level of uptake should be maintained in 1996. Next deadlines for receipt of applications: 1 July, 1 November.
 Contact: A. Vassarotti
 Fax + 32 2 299 18 60

FAIR

- Following the third call for proposals which closed on 15 March 1996, a total of 794 proposals was submitted and are currently being evaluated.
- The funding of research training

grants is subject to an open call (OJ C 357 of 15.12.1994) during the period 1994-1998. The forthcoming deadlines for applications in all areas are 15 June 1996 and 15 Dec. 1996

TRAINING AND MOBILITY OF RESEARCHERS

Research Training Networks

The first call for the TMR network proposals was launched on 17 January 1995. The deadline for receipt of applications was 15 June 1995. More than 1,400 proposals were received, involving more than 10,000 research teams who in total requested nearly 2,200 MECU. 91 of the proposals were selected (a success rate of just under 1-in-15). The 150 MECU awarded means that each Network will receive on average 1.64 MECU. This will provide the Networks with more than 2,200 years of young researcher posts. Details about vacant posts in the 91 Networks will be on TMR's homepage at:

<http://www.cordis.lu/tmr/home.html>

Research Training Grants (The Marie Curie Fellowships)

5,885 eligible applications have been received of which 1,284 have been funded in the first 3 calls of the individual fellowship scheme. In TMR's remaining 4 calls, it is expected that a further 1,800 or so awards will be made. The next closing date (round 4) is 17.6.1996. Closing dates for the final 3 rounds: round 5 - 16.12.1996; round 6 - 16.6.1997; round 7 - 15.12.1997. Although the number of ineligible proposals received has fallen, there is still room for improvement. Applicants should consult the information package before completing their application and then if still in doubt the National Contact Points or a Commission staff member. Over 9,000 applications are expected in the next 4 calls.

TMR's target is to inform applicants of the outcome approximately 5 months after application, with the contracts issued within a further month. The number of applications with industry linkages is very low (only 42 out of the 5,885 applications in the first 3 rounds). TMR would like to see this increase significantly and applications judged to have industry linkage or relevance receive an advantage over other applications (as do applicants from less favoured regions). Applications from Israel are being accepted from the current round onwards. This is in addition to the 3 associated states - Liechtenstein, Iceland, Norway and the 15 EU Member States.

For information about the TMR programme consult TMR's homepage
<http://www.cordis.lu/tmr/home.html>
 or
 G. Blythe
 Fax + 32 2 2963270

INTERNATIONAL COOPERATION

Cooperation with Central and Eastern European Countries

The INCO- COPERNICUS call for proposals 1995/1996 closed on 29 February 1996. Approximately 2,000 proposals were received over the 12 domains ranging from non-nuclear energy to biotechnology. The total funding requested amounted to approximately 726 MECU. The evaluations have been completed and the short list is being prepared.

For further information contact:
 INCO-COPERNICUS,
 Fax + 32 2 2966020

MAST

A call for proposals was published on 15 March (OJ C75/7 of 15.3.1996)

Areas covered by the call:

- Area D: supporting initiative;
 - sub-area D.2: standards for training and work;
 - sub-area D.3: modelling, ocean-data management and quality control for research and operational applications;
 - sub-area D.4: use of heavy experimental equipment, research vessels and their modular equipment, large computing facilities and other technical resources in the European Economic area;
 - sub-area D.5: design of components and systems for heavy advanced equipment;
 - sub-area D.6: calibration techniques and standards for marine instrumentation and observational equipment.
- Deadlines for submission of proposals:
Shared cost actions: 17 June 1996 (12.00)

Concerted actions: 27 June 1997 (12.00)

Preparatory, accompanying and support measures: 12.6.1998 (12.00)

Contact: European Commission DG XII/D-3
Fax + 32 2 2963024

A second call for proposals was published on 15 March (OJ C110/15 of 15.3.1996).

Areas covered include:

- Area A: Marine Science,
- Area B: Strategic Marine research,
- Area C: Marine technology.

Deadlines for submission of proposals:

Areas A.1, A.2, A.3.4, B.1.3, B.2, C.1, C.2: 15 Oct. 1996 (12.00)
Areas B.1.2: 15 Jan. 1997 (12.00)

For further information on the areas covered and an information package, contact: European Commission, DG XII/D-3
Fax + 32 2 2963024

BIOMED

A second call for proposals was published on 15 March (OJ C75/21 of 15.3.1996) for the following areas:

1. pharmaceuticals research
2. research on biomedical technology and engineering
3. brain research
- 4.2. research on AIDS, tuberculosis and other infectious diseases
5. human genome research.

Proposals must reach the Commission before 12.00 on 17.6.1996.

A third call for proposals covering the other areas of the work programme will be issued on 17 Sept. 1996 with a deadline of 17 Dec. 1996.

Proposals for shared cost demonstration projects (Area 8.2) should be submitted in relation to the specific areas covered in both of these calls.

For more detailed information and an information package, contact: EC Biomedical and Health Research
Fax + 32 2 2955365

INTERNATIONAL COOPERATION

Cooperation with Developing Countries

A new call for proposals was published on 15 March (with a revised version on 18 April (96/C113/11)). The research included is:

- Sustainable management of renewable natural resources
- Sustainable improvement of agricultural and agro-industrial production
- Health
- Information and communication technologies.

Deadline: 12 Sept. 1996 (12.00)
The Infopack is available on the Cordis World Wide Web site or "anonymous file transfer (ftp)" (Access to www Cordis: <http://www.cordis.lu/cgi/build-doclist.pl>, then scroll down to INCO entries and select 'Information package for part C').
If access to these networks is not available, contact: European Commission DG XII/B4, INCO-DC
Fax +32 2 2966252

PROGRAMME UPDATES

CONTROLLED THERMONUCLEAR FUSION

On 7 May 1996 the European Council adopted an extension of the JET (Joint European Torus) project to the end of 1999, together with the inclusion of the Technology Development Centre of Finland (TEKES) in the JET Joint Undertaking.

Fusion research aims at the development of a new energy source offering potential safety and environmental advantages. The European Community fusion programme embraces all "magnetic fusion" activities in the Member states (plus Switzerland). With

this 3-year extension, JET - the "flagship" of the programme - will be able to carry on investigations of crucial relevance for ITER, the International Thermo-nuclear Experimental Reactor at present being designed together with Japan, Russia and the USA.

LIFE SCIENCES

Demonstration Projects

The Life Sciences programme of the 4th FP now includes, for the first time, demonstration projects as an eligible action for funding, with up to 6% of the total programme budget being earmarked. The intention is to give the programme additional mechanisms

for the exploitation and dissemination of new technologies. Partnerships carrying out demonstration projects should have a clear view of the exploitation of project-deliverables and/or a commitment to provide reliable information to public entities, such as consumer associations, public services, regulatory bodies, industrial and professional groups, etc. Whenever possible, therefore, the projects should include specific tasks for the dissemination of the knowledge acquired in the project to the widest possible number of potential users and/or to third parties ("Extended Audiences") which might be directly or indirectly related to the future implementation of the new technology.

For further information, contact: A. Herrero
Fax + 32 2 2955365

INTERNATIONAL COOPERATION

Area B: Cooperation with industrial third countries

- On 25 March 1996, a S&T agreement was signed between the EU and Israel, allowing Israel to become fully associated with all non-nuclear specific programmes of the 4th Framework Programme.
- Negotiations of the S&T agreement with South Africa came to an end on 7 May 1996, and the agreement is expected to be signed in the next few months. Once in

force, the agreement will provide access for South African researchers to all the non-nuclear specific programmes of the 4th Framework Programme and at the same time access for European researchers to similar projects in South Africa.

Cost

There are currently 127 COST Actions underway and at the COST Senior Officials Committee on 11 - 12 April 1996, the Memoranda of Understanding of 6 new COST Actions were approved:
COST 257: Impacts of new services

on the architecture and performance of broadband networks;
COST 258: The Naturalness of Synthetic Speech;
COST 714: Measurement and use of directional spectra of ocean waves;
COST 334: Effects of wide single tyres and dual tyres;

COST 336: Use of falling weight deflectometers in pavement evaluation;
COST 337: Unbound granular materials for road pavements.

For further information, contact:
M. Chapuis,
Fax + 32 2 2964289.

CONFERENCES AND WORKSHOPS

A better access to high technology in Europe

17-18 October, Strasbourg (F)
The first of a series of face-to-face European meetings between 50 major industrial groups and 500 high-technology small and medium-sized enterprises (SMEs). The main aim is to enhance the participation of these companies in European programmes. It is organised by Comité Richelieu and its partners in 17 countries, with the support of the Commission's DG III (Industry) and DG XXIII (Enterprise policy, distributive trades, tourism and cooperatives).

Contact: B. Accettone, Comité Richelieu
Fax + 33 1 46045538

ESPRIT

A "Special Day" on "Pan-European cooperation and technology transfer"
Zakopane (Poland), 28 August
The "Special Day" will be followed by two simultaneous technical workshops:

"Design methodologies for signal processing",
29-31 August

"Hardware/software co-design", 29-31 August

For further information, contact:
M. Cecchini

Fax + 32 2 2968387

E-mail: marco.cecchini@dg3.cec.be

Web site: <http://www.kp.dlr.de/IT-NCP/benefit/e95wosp.htm>

<http://www.kp.dlr.de/IT-NCP/benefit/eve95wo.htm>

Annual ESPRIT conference on Integration in Manufacturing Galway (IRL), 2-4 October

For further information, contact:
M. Kerschen
Fax + 32 2 2994572
E-mail: mary.kerschen@dg3.cec.be
Web site: <http://www.cordis.lu/esprit/src/iim96.html>

EVA '96: Electronic Imaging and the Visual Arts London (UK), 24-26 July

Contact: J. Hemsley/V. Duncan
Fax + 44 1252 815702/815772
E-mail: jameshemsley@cix.computlink.co.uk

LID '96 - International workshop on logic in databases Pisa (I), 1-2 July

Contact: D. Pedreschi
Fax + 39 50 887226
E-mail: pedre@di.unipi.it
or C. Zaniolo
E-mail: zaniolo@cs.ucla.edu
Web site: <http://www.di.unipi.it/LID96/info.html>

INNOVATION

Fourth International Conference on Learning and Research in Working Life Steyr (A), 1-4 July

Contact: L. Karlsson
Fax + 43 1 4021992
E-mail: l.karlsson@magnet.at

TTI '96 - Technology Transfer and Innovation London (UK), 1-3 July

Contact: Conference Secretariat
Fax + 44 1367 242831

ACTS

ACTS Mobile Communications Summit '96
Granada (E), 27-29 November
Contact: J. Luis de Miguel
Fax + 34 13374402
E-mail: acts.mobile96@tid.es

INTERWORKING '96: Third international symposium on interworking Nara (Japan), 1-3 October

Contact: S. Rao
Fax + 41 31 9993607
E-mail: rao@tech.ascom.ch

TELEMATICS

Health telematics at MEDICA '96 Dusseldorf (D), 20-23 November

The fair will also feature the annual MEDIZIN Software Competition which will award prizes to the most promising software developments in the medical field.

For further information on MEDICA '96 and the MEDIZIN Software competition, contact:
Fax + 49 69 772341

For further information on the EU Health Telematics stand at the fair, contact:
Fax + 32 2 2960181

"Public Administrations and the Information Society - Challenges and Actions in a changing Europe"

This first IDA (Interchange of Data between Administrations) conference will bring together

directors, planners, and telematics and technical experts from public administrations and industry across Europe to discuss the planning and management of pan-European telematics services. It will analyse how telematics and information technologies can make administrations more efficient and improve communications between them and European citizens.

Rome (I), 20-21 June
Contact: Finsiel
Fax + 39 6 22715353
E-mail: ida.conf@finsiel.it
or IDA Central Office
Fax + 32 2 2990286
E-mail: ida-central@dg3.cec.be
Web site: <http://www.ispo.cec.be/ida/text/english/confe.htm>

DLM Forum (Electronic Records)

Brussels (B), 19-20 December
The DLM would welcome the submission of original papers from experts in the field of public administration, archives, industry and research.
Deadline for submission of papers: 25 June

Contact: C. Beckers
Fax + 32 2 2961095
E-mail: dlm-forum@sg.cec.be

JOINT RESEARCH CENTRE

International Workshop on Metallothioneins
Geel (B), 30-31 October

Contact: G. Bordin
Fax + 32 14 584273
E-mail: bordin@irmm.jrc.be

INDUSTRIAL AND MATERIAL TECHNOLOGIES

Eccomas '96 - numerical methods in engineering
Paris (F), 9-13 September

Contact: D. Knörzer
Fax + 32 2 2963307

3rd European Ironmaking and Cokemaking Congress
Gent (B), 16-18 September

Contact: A. Poos
Fax + 32 2 2965987

Pre-reduced products and Europe
Milan (I), 23-24 September

Contact: R. Tomellini
Fax + 32 2 2965987

STANDARDS MEASUREMENTS & TESTING (SMT)

International Symposium on Food Packaging
Budapest (Hungary), 11-13 September

European Conference for Quality Assurance in Food Laboratories
Lisbon (P), 15-17 September

Contact: A. Boenke
Fax + 32 2 2958072

DIXION '96 Symposium on chlorinated dioxins furans and related compounds
Amsterdam (NL), 12-16 August

Contact: E. Maier
Fax + 32 2 2958072

Information Day SMT
Montpellier (F), 14 June

Contact: R. Tapié
Fax + 33 67225037

Information Day SMT
Bordeaux (F), 24-25 June

Contact: P. Quevauviller
Fax + 32 2 2958072

ENVIRONMENT

International Conference on Mediterranean Desertification
Crete (GR), 29 October - 1 November

Contact: P. Balabanis or D. Peter
Fax + 323 2 2963024
E-mail:
p.balabanis@mhs.g.cec.be

MAST

3rd European Conference on Underwater Acoustics
Heraklion, Crete, (GR), 24-28 June

Contact: J. Papadakis
Fax + 30 81 33 18 01

Biological Processes in the Eastern Mediterranean: interaction with hydrological structures

Molitg-les-Bains (F), 1-5 July

Contact E. Liptatou
Fax + 32 2 2963024

BIOTECHNOLOGY

Biotechnology and Ethics
Bilbao (E), 1-5 July

Plasmid Stability - Horizontal Transfer - Environmental Implications
Ioanina (GR), 2-12 July

DNA Sequencing
Heidelberg (D), 13-23 November

Contact: A. Vassarotti
Fax + 32 2 2991860

FAIR

European Conference on Pulp and Paper Research
Stockholm (S), 9-11 October

Contact: I. Seoane
Fax + 32 2 2964322

EU Workshop to identify opportunities for the design of food crops for enhanced

nutrition, health and welfare benefits

Norwich (UK), 20-21 June

Contact: J. Azcon-Bieto
Fax + 32 2 2964322

Modern techniques in food microbiology

Frankfurt (D), 27-28 June

Contact: L. Bochereau
Fax + 32 2 2964322

NON NUCLEAR ENERGY JOULE Component

European Forum on Renewable Energy Sources

Milan (I), 17-18 June

Contact: M. Sanchez
Fax + 32 2 2960621

INTERNATIONAL COOPERATION

Area A1: Eureka forthcoming
Brokerage Events:

MAINSURF (Technologies for Longer Service Life, Easy Maintenance and Repairability)
Geneva (CH), 17-18 June

Contact: P. Bogaers
Tel + 41 31 322 2697

Food Technology
Reykjavik (IS), 20-21 August
Contact: S. Kristjarissen
Tel + 354 562 1320

FACTORY (Future Developments of Production Engineering)
Berlin (D), 16-17 September

Contact: W. Axmann
Tel + 49 2203 968 3582

CARE Innovation '96 (Eco-Efficient Concepts for a Sustainable Electronics Industry)
Frankfurt (D), 18-20 November

TransEast '96 (Transport Technologies)
Warsaw (Poland), 28 October

Contact: J. Tokarski
Tel + 48 22 628 1406

Environmental Monitoring
Manchester (UK), 20-22 November

Contact: C. Regan
Tel + 44 171 215 2820

Area C: Cooperation with developing countries:

Développement de la Coopération Scientifique Euro-Méditerranéenne dans le domaine des zones côtières
Alexandria (Egypt), November

Contact: IFREMER
155, rue Jean Jaques Rousseau
F-92138 Issy-les Moulineaux
Cedex

International Symposium on Andean Geodynamics

St Malo (F), 17-19 September

Contact: Géosciences Rennes
(Université de Rennes I)

Campus Beaulieu Bâtiment 15
Avenue Général Deleclerc
F-35042 Rennes Cedex

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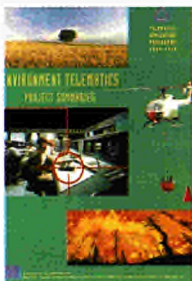
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