

## RTD INFO

News Roundup on EC Research and Technological Development Programmes

# New RTD Programme Management Approach

Changes bring clearer communication, more visible procedures

The new approach to the management of the European Commission's RTD programmes was created to introduce more visibility and efficiency into all stages of the process - from application and project selection, to funding and reporting of research results.

Differences which project proposers can see today are:

- The issuing of all calls for proposals on only four dates each year (on the 15th of March, June, September and December).
- The regular rotation of experts used by the Commission for evaluations.
- The regular publication of *RTD Info* to give up-to-date information on policy, programmes, calls and publications.

Other changes being implemented include:

## PROPOSED NEW APPLICATION FORMS

For the first time, we are distributing new application forms at the draft stage to allow users to offer their comments on how useful they are. Our aim is to incorporate relevant user comments in time to use these forms for the first calls for proposals for the new specific programmes under

Framework Programme IV later this year.

#### MANAGEMENT MANUALS

Feedback from proposers and members of research and industry suggested that our application and evaluation procedures should be communicated more clearly. This has resulted in the recent publication of a management manual which describes the various procedures and requirements in detail.

The manual starts with the receipt of an RTD proposal by the Commission and gives a step-by-step account of its progress through evaluation, to rejection or acceptance, and on to contract negotiation, the receipt of funding and the start of the project.

Two further management manuals will be published

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J U N E 94 - N

### RTD INFO

Regular readers will notice that this issue of *RTD Info* is somewhat different from previous issues, both in content and size. As well as the regular news items, we have devoted some space to the issue of RTD programme management.

It is now just over a year since Commissioners Ruberti and Bangemann issued a discussion paper entitled "Management of Community RTD Activities - An Agenda for Change". This was in-



Commissioner Antonio Ruberti

tended to start a dialogue between the Commission and its research clients to take stock of our rules, procedures and activities. This issue of *RTD Info* explains some of the changes brought about by this review and outlines some initiatives still in the pipeline.

One significant difference of our new approach to RTD programme management is that of pre-testing new initiatives with our "customers". To this end, readers will find a draft version for new proposal application forms that we intend to use in the Fourth Framework Programme attached to this issue.

We are pleased to present to you our new approach to RTD programme management, and - of course - look forward to receiving your comments.

available to them abou RTD programmes.

The Commission is current ly completing an analysis of all available information sources -both inside the European institutions and in the Member States. Once this inventory and analysis has been completed, aroundtable discussion will be organized with representatives of these networks.

The results of the roundtable will form the basis of the third management manual mentioned above: "An overview of information and assistance available to proposers".

## GUIDANCE FOR PROJECT COORDINATORS

Other feedback received from members of the European research community is that project coordinators require more practical guidance to help them avoid some of the pitfalls in setting up and running collaborative RTD projects.

Some programmes already provide "project coordination guides". The Commission is currently evaluating all project coordination information available from the various RTD programmes, to evaluate the possiblity of preparing a more general guide which can serve all programmes.

News on developments in this area will be published in future editions of *RTD Info*.

(continued from front page)



in the near future. The first covers how Community RTD policy is arrived at; the second publication will detail the sources of information and assistance available to proposers for RTD projects.

## SIMPLIFICATION OF PROCEDURES

The fast growth of Community RTD programmes created a mix of different procedures. Today these are being standardized and simplified.

Because the various programmes have their own characteristics, the procedures cannot be totally harmonized. But a serious effort has been made to simplify all procedures and documentation to include only points essential to efficient programme management. Wherever possible, procedures are being harmonized across all programmes.

The draft application form for proposals on pages 4-13 of this copy of *RTD Info* is an example of both harmonization and simplification.

## STANDARDIZED INFORMATION PACKAGES

The Commission is producing a standard format for information packages for all programmes of Framework Programme IV. A common organization of all information documents will give applicants faster and simpler access to the information they require

across all the programmes.

In addition, when calls for proposals are published, a likely timetable for processing applications will also be issued to give applicants an idea of when they can start work, if their proposal is approved.

#### SIMPLIFIED CONTRACT NEGOTIATION FORMS

A simplified contract negotiation form has been developed (and a draft was included in the management manual) reducing the number of pages of information requested from over ten to four. Work is also under way on simplifying the RTD Model Contract.

## INFORMATION AND ASSISTANCE TO PROPOSERS

Proposers and the intermediary bodies that advise and inform them have requested a simpler and clearer route to the information and documentation

## New harmonized application forms

As part of the overall initiative to simplify and harmonize procedures, the Commission has been taking a hard look at the forms which proposers have to fill in when submitting a project application.

As a result of this examination, we have prepared new draft proposal forms which will serve for the programmes of the Fourth Framework Programme. (Draft copies are included on pages 4 to 13 of this special RTD Info.) The information requested in the new forms is the minimum required for the evaluation and administration of project applications. For the first time, these forms are being submitted to the users for comments.

posed work.

The second part of the application form will be tailored to the needs of the individual programmes, but will have the same basic structure. For evaluation purposes, most programmes will wish to divide the second part into two distinct sections - the scientific/technical content (sections 1 to 6) and information on the partnership (sections 7 to 10).

There will, obviously, have to be some variation in these forms (for example, to accommodate the widely-differing needs of demonstration projects and applications for fellowships), but the basic structure and format will be maintained as far as possible.

## FILLING IN THE FORMS

Although space could have been saved to make the forms one or two pages shorter, the current format is aimed at making life easier for proposers and the Commission programme staff. Up till now, most Commission application forms have been designed for filling in by hand or typewriter. The new forms can also be filled in by hand or by typewriter, but are also designed to be more "wordprocessor-friendly". By setting one or two basic tab stops, font and pitch

size, applicants will be able to fill in the new forms using a wordprocessor and laser printer. The same forms will be used for those programmes which use optical character recognition to enter proposal data into the Commission's databases.

If you have any comments on the new forms or suggestions as to how they could be made even more user-friendly, we would very much like to hear from you. As with all the other items in this issue, you can fax your comments to:

+ 32 2 2963025.

#### NOTE

The final format of the forms will be Din A4.
The draft forms included in this issue of RTD Info are not full size, but 80% size, because of the smaller format of the newsletter.

#### FORM STRUCTURE

The form is divided into two parts. As far as possible, the first part - general financial and administrative data - will remain constant, with all programme-specific changes confined to the second part - the proposal description.

In the first part, page 1 gives an overview of the proposed project and the partners. Pages 2 to 4 are for information on each partner and there is a one-page summary of the pro-

#### YOUR COMMENTS PLEASE

The Commission's new approach to RTD programme management which is presented in this issue of *RTD Info* is the result of a series of consultations and debates between the Commission and the European research community held over the past year.

The changes proposed are based on suggestions or comments of researchers or organizations who have been involved in EC-funded RTD projects in the past. Their input, and our subsequent discussions, helped the Commission define a clearer, more efficient approach to managing RTD programmes

Some changes can already be seen today, further changes are imminent, and still others will be implemented in the coming months.

Today our dialogue with the European research community continues. If you have any comments on the contents of this issue, or general issues concerning the management of Community RTD programmes, we would like to hear from you.

You can fax your comments to: + 32 2 2963025

Proposa	l Number	
[Supplied]	by the Commission	

### 1. GENERAL PROPOSAL INFORMATION (2)

PROPOSAL TITLE (3)						
PROPOSAL SHORT TITLE OR ACRONYM (4)						
Type of proposal (5)						
Programme areas (6) (in order of priority)						
Keyword codes (7) (where appropriate)						
Summary (8)						
Project duration (months)		Country Code (10)	Type / Size (11)	Total allowable costs kECU (12)	EC funding requested kECU (12)	Total man-months
Partner N°	Organisation abbreviated name (9)	Count	Type/	Total costs k	EC fur	Total man-n
(Coordinator) 1						
(Partner) 2						
(Partner) 3						
(Partner) 4						
(Partner) 5						
(Partner) 6						
(Partner) 7						
(Partner) 8						
(Partner) 9						
(Partner) 10						
Add further sheets if necessary						
TOTALS						
	oeen submitted to a European programme fo		or is current	ly being funde	d, please indic	cate to
which programme, the year of submissi	on and give the proposal reference number	(13)				
Name of Contact Person						
in coordinating organisation						
Address for correspondence (14)						
Telephone n°, Fax n° (15)						
E-mail						

## 2. INDIVIDUAL PARTNER INFORMATION (16) PARTNER NUMBER (17) PROPOSAL SHORT TITLE OR ACRONYM (3) Participating Organisation (legal entity) Full legal name, legal status (18) Abbreviated name (9) Contractual role (19) Type/size (11)\_ Partnership role (20) (if appropriate) **Registered Address** P.O. Box Street Name and no. Town/City Region (21) Post Code / Cedex Country Code (10)

## 2. INDIVIDUAL PARTNER INFORMATION (continued) PARTNER NUMBER (17) PROPOSAL SHORT TITLE OR ACRONYM (3) Department/Institute/Laboratory carrying out the work Full name Sector/activity (22) Address P.O. Box Street Name and no Town/City Region (21) Post Code / Cedex Country Code (10)

### 2. INDIVIDUAL PARTNER INFORMATION (continued)

PARTNER NUMBER (17)		
PROPOSAL SHORT TITLE OR ACRONYM (3)		
Partner's costs (in kECU) (23) (1	(2)	
Total costs		kECU (12)
EC funding requested		kECU (12)
Cost basis (24)	Full costs	
	Additional (marginal) costs	
	Additional (marginal) costs	u
Source of balancing funds (25)		
Is the organisation 'affiliated' to any other partner in this proposal? (26)	Yes 🗀	
P P P P P P P P P P P P P P P P P P P		
	No 🗀	
If yes, indicate the partner name(s) and number(s) (17)		
	••	
organisation has agreed to	oarticipate (27)	organisation is accurate and that my
Authorised signatory:		
(Full name in capitals)		
Position in organisation		
Signature		
		P.
Date		

#### **PROPOSAL SUMMARY**

PROPOSAL TITLE (3)

PROPOSAL SHORT TITLE OR ACRONYM (4)

State clearly and briefly the objectives of the project and give a concise description of the proposal content. This summary should be no longer than one page and *preferably in English*.



#### **PROPOSAL DESCRIPTION**

#### 1. OBJECTIVES

Describe the objectives of the project and the advances that it represents in relation to the current state of the art [and the industrial context].

Among others, this section should address the following points:

- the issues involved, the state of the art [and the industrial context]
- measurable objectives
- an explanation of how the proposal objectives comply with the objectives of the programme Workplan and its priorities.

[Extra depending on the individual programme]

(Maximum of [2] A4 pages)

#### 2. WORK CONTENT

Give a detailed scientific and technical description of the proposed project, identifying the different options available to meet the objectives and the main risks of [scientific], [technological] [and industrial] failure. The overall project proposed must be broken down into work packages (with possible further subdivisions into activities), with an indication of the partners involved in each work package, their role and the effort required in man-months and any other resources required (e.g. major equipment, special laboratory facilities, services, etc.) for each work package. The interrelationships between the work packages and the partners should be indicated.

[Extra depending on individual programme]

(Maximum of [20] A4 pages)

#### 3. PROJECT MILESTONES AND DELIVERABLES

Give a list of major project milestones and deliverable items and their links to the work packages.

Milestones are the points at which the project's progress can be assessed. The set of deliverables constitutes the results of the project and is divided into contract deliverables (progress reports, final reports, etc.) and technical deliverables (e.g. samples, prototypes, computer code, etc.). Project monitoring is based on reviews of deliverables and this section should normally determine their type, content and timing. Access to the deliverables (e.g. public, restricted, confidential) should also be mentioned in this section.

[Extra depending on individual programme]

(Maximum of [2] A4 pages)

#### 4. BENEFITS

This section should provide a full scientific, technical [,industrial] and economic justification for the proposed project. In particular it should indicate why the project is best carried out at the Community level and how it will contribute to [European competitiveness][, standards] and the fulfilment of Community policies (e.g. environment, Common Agricultural Policy, consumer protection, Common Fisheries Policy, Trans-European networks, etc.)

[Extra depending on individual programme]

(Maximum of [4] A4 pages)

#### PROPOSAL DESCRIPTION (continued)

#### 5. ECONOMIC AND SOCIAL IMPACTS

Identify and quantify where possible any social, environmental and economic impacts of the proposed project. These may include: better working or living conditions, including health aspects; opportunities for education and training; employment opportunities; conservation of scarce materials and environmental benefits; opportunities for technology transfer, in particular to less developed regions and/or for rural and regional development.

The external risks of the proposed project and any particular ethical considerations should also be described.

[Extra depending on the individual programme]

(Maximum of [2] A4 pages)

#### 6. PROJECT MANAGEMENT STRUCTURE

Give a description of the management structure and techniques to be used for the proposed project. In particular, the methods used for monitoring and reporting progress, including the identification of project milestones, should be outlined. The mid-term review procedure should be indicated and the assessment criteria to be used for the review should be outlined. The use of PERT or GANTT diagrams, bar charts or other diagrams to show the scheduling of work packages, their integration and the involvement of the different partners is recommended. Wherever possible in this section, applicants should use tabular presentations to summarise the management tasks [and an indication should be given of those tasks for which major facilities and equipment need to be provided or purchased].

[Extra depending on the individual programme]

(Maximum of 2 A4 pages plus tables and charts)

#### 7. THE PARTNERSHIP

Summarise the role and contribution of each of the partners and associated partners, their qualifications for their role, their capacity to provide their contribution to the project, the experience and knowledge which they will contribute and why their qualifications and experience make them particularly suited for the work allocated to them. Financial or legal links between partners, if any, should be

Each partner should also supply a list of the principal scientific or technical personnel involved and their relevant experience, indicating who will be responsible for each work package. [List no more than five recent publications and/or patents relevant to the project.] If it is intended to subcontract any of the work this must be mentioned in the profile of each partner and an indication should be given of the proposed subcontractor and the degree to which that particular partner's contribution will be subcontracted. In particular, any details of subcontractors should include their name and type of organisation, country, and type and cost of service provided, if known.

[Extra depending on the individual programme]

#### 8. FINANCIAL INFORMATION

Provide a table giving a breakdown of each partner's costs under the following headings: [......]

See the information package for details of eligible costs.

(Maximum of [1] A4 page)

#### PROPOSAL DESCRIPTION (continued)

#### 9. EXPLOITATION PLANS

Describe the partnership's plans for exploiting and/or disseminating the results of the proposed project.

[This section will vary between industrial and non-industrial programmes. A bare minimum for industrial programmes would be as follows:

This section should give a clear indication of the relevance of the proposed work to the internal priorities of the industrial partners and their plans for exploiting the results. It should demonstrate the credibility of the partnership for industrial exploitation of the results, explain the partnership policy in respect of securing patents or granting licences for the technology. It should deal with any possible agreements between the partners to extend their cooperation in the exploitation phase and relevant agreements with companies, in particular users, external to the partnership.]

(Maximum [2] A4 pages)

#### 10. ONGOING PROJECTS AND PREVIOUS PROPOSALS

If the same (or a similar) application has been or is being submitted to a Community programme or to another European programme such as EUREKA or COST, please give details of the application (date, programme, title, proposal reference number) and indicate any differences between the proposals (e.g. different partners, modified aims or technical content, etc.). The outcome of any previous applications should be given.



#### NOTES FOR COMPLETING FORMS

- Enter the name of the programme which you are applying to.
- To be completed by the coordinator.
- Not more than 20 words. 3
- Not more than 30 characters.
- For definitions of proposal types, see page X of the Information Package. 5
- Use the numbers for programme areas as they appear in the work programme [e.g. 2.1.2 Design methodologies for complex components].
- Use the keyword codes from the list given in the Information Package (page X).
- This table should summarise the information from the Individual Partner Information Sheets. The coordinator should appear as partner No.1. Where a proposal has more than 10 partners, please add a second copy of this page, but remember to continue numbering 11, 12, etc. and write "CONTINUED" in the TOTALS row. Partners should use the same numbers on the Individual Partner Information Sheets.
- Where the organisation's full title is commonly abbreviated or a logo or trade name is used, this should be entered here. For organisations which do not commonly use an abbreviated name, enter an appropriate abbreviation e.g. U. Santander (for Universidad de Santander), MPI/Züchtung (for Max-Planck-Institut für Züchtungsforschung) etc. Use the same abbreviated names throughtout the application.
- 10 Use the following ISO Country Codes:

Belgium	BE	Denmark	DK	France	FR	Germany	DE
Greece	GR	Ireland	IE	Italy	IT	Luxembourg	LU
Netherlands	NL	Portugal	PT	Spain	ES	United Kingdom	GB
Austria Norway	AT NO	Finland Sweden	FI SE	Iceland	IS	Liechtenstein	

Switzerland CH

RA MARIA For other countries enter the appropriate ISO code. See page X of the Information Package for additional codes of eligible countries.

11 Fill in one of the following for the participating organisation:

IND	Industrial or commercial enterprise
EDU	University, Higher Education

ROR Research Organisation

International Organisation (publicly-funded and non profit-making) INT

OTH

In addition, add one of the following size codes if you are an industrial or commercial enterprise:

1. Less than 50 employees

2. 51 - 100

6. 1001 - 5000

3. 101 - 250

7. Over 5000 employees

4. 251 - 500

For example, for a company with 2000 employees, enter IND 6; for a small firm with 150 employees, enter IND 3. Please use the same codes in the Individual Partner Information Sheets.

- 1 kECU = 1000 ECU (e.g. 540 kECU = 540 000 ECU).
- If an application has been or is being made to a Community programme or another European programme, such as EUREKA or COST, please answer this question and part 10 of the proposal description.
- 14 Please include street, city, country code, postal code and (if applicable) a cedex number. An official stamp may be used if it gives all this information and does not obscure other information on this page.
- 15 When filling in telephone and fax numbers, give the direct line, if available, and type them in the following way: Country Code - Town Code - Local Number

For example 44-71-405 1157 for a number in central London, 34-1-302 2908 for a number in Madrid.

- 16 To be completed by every partner, including the coordinator and all who would be contractors and associated contractors, i.e. all those who would support a part of the project costs and who would have full or negotiated access to any results arising from a contract.
- Use the same partner number as in the summary table on page 1.
- Please give your legal name and indicate status, e.g. S.A., Ltd., GmbH, N.V., AE, etc.

#### NOTES FOR COMPLETING FORMS (continued)

- 19 Fill in one of the following:
  - C Coordinator
  - P Partner
  - A Associated partner

See the Information Package for details of these types of participation. If you are an associated partner, please indicate the number of the full partner to whom you are associated e.g. A3 is an associated partner to partner  $n^{\circ}$  3.

- 20 See page X of the Information Package for details of partnership roles.
- 21 i.e. Région/Gewest/Region (BE), Amt (DK), Région (FR), Bundesland (DE), Nomos (GR), County (IE & GB), Regione (IT), Provincie (NL), Região (PT), Región (ES).
- 22 See the Information Package for sectors and fields of activity. If you are active in several sectors/areas of activity, enter the main area of activity or the one most relevant to this application.
- 23 Totals should exclude VAT. Further detail of the total costs is required in Section 8 of the proposal description.
- 24 See the Information Package for definitions of the costing basis.
- 25 Please indicate clearly (using an extra sheet, if necessary) all external sources of the balance of funding, in particular industrial [and public] sources already obtained or which will be requested.
- 26 An organisation A is 'affiliated' to an organisation B if:
  - A controls B, directly or indirectly, or
  - A and B are controlled by the same (parent) organisation, or
  - A is controlled directly or indirectly by B.

Company A is considered as controlling company B if:

- A holds directly or indirectly more than 50% of the share capital of B, or
- A holds directly or indirectly more than 50% of the voting rights of the shareholders or of the associates of B, or
- A holds, directly or indirectly, the decision-making powers within company B.
- By signing this form, the partner certifies that his/her participation in the proposal at the indicated level has been formally authorised by representatives of the organisation duly empowered to do so. [The proposal coordinator may sign this form on behalf of the other partners, provided he/she is in possession of a formal written authorization from the representatives of the other partners empowered to give such authorization.]



#### **ESPRIT**

The ESPRIT programme has published a new set of project summaries. Each project, action and working group is described in a standard format covering aims, technical content, progress, results, potential impact and current status. In each case, details of participating organizations are provided together with a list of partner names and a contact address.

These updated editions incorporate the progress and results reported since late 1992 and contain the first descriptions of the many new projects launched following the ESPRIT III call for proposals in 1993.

Volumes available are:

#### Basic research

Summaries of projects, working groups and networks of excellence: ESPRIT III. EUR 15375 EN/1

#### Microelectronics

Summaries of projects: ESPRIT II and III. EUR 15375 EN/2

Software and advanced information processing

Summaries of projects: ESPRIT II and III. EUR 15375 EN/3

High-performance computing and networking

Summaries of projects: ESPRIT II and III. EUR 15375 EN/4

Peripheral systems, business systems and house automation Summaries of projects: ESPRIT II and III. EUR 15375 EN/5

Computer-intergrated manufacturing and engineering Summaries of projects: ESPRIT II and III. EUR 15375 EN/6

Open microprocessor systems initiative

Summaries of projects: ESPRIT III. EUR 15375 EN/7

Information on ESPRIT projects is also available on the CORDIS RTD-Projects database.

The publications are available, free of charge, from: Contact: EUR-OP Fax + 352 488573

#### CORDIS

Bringing results to the market



CORDIS Focus, RTD Results is a new DG XIII publication which will be issued four times a year as a supplement to the fortnightly newsletter CORDIS Focus. The first issue was 11 March 1994, and the second is planned for 17 June. Based on the CORDIS RTD-Results database. CORDIS Focus. RTD-Results contains a selection of those entries that highlight potential market applications and if (and what kind of) collaboration is sought to develop the result. It will further help to facilitate industrial and commercial exploitation on a transnational basis, as well as to increase the availability of the relevant information to those who do not have access to on-line services.

For access details and other information about CORDIS, contact:
Fax + 352 34981248

#### **TELEMATICS**

#### Libraries

(Telematics systems for libraries)

Library systems in Europe: a directory and guide Price: ±£50

Contact: TFPL Publishing Fax + 44 71 2518318

#### DELTA

(Telematics Systems for Flexible and Distance Learning)

DELTA at Work: progress in the European research and development projects The second of the Tribune collection of publications, dealing with the 22 DELTA Programme projects.

Contact: DELTA Central Office Fax + 32 2 2962392

Who is Who: People and organizations in the DELTA programme (1992-1995)

Part of the TRIBUNE European Learning Technology Collection of publications. TRIBUNE is a DELTA project for the dissemination of information on European research and development in learning and education technologies.

The publication provides information on the 201 organizations and people across Europe involved in R&D in learning technology within the DELTA programme. The profile of each organization is provided with a description of the 30 DELTA projects in which these organizations are involved. The purpose, means, output and expected benefits of each project are also presented.

The document also provides brief information on the aims and objectives of DELTA, the programme's future perspectives, the list of official DELTA documents and useful addresses.

Contact: DELTA Central Office Fax + 32 2 2962392

#### **SPRINT**

Recent SPRINT publications

An integrated approach to European innovation and technology diffusion policy: a Maastricht memorandum A report based on a series of brainstorming meetings in Maastricht and Paris to investigate the development and maintenance of an effective policy of technological transfer. Topics include a general presentation of technical change, dissemination, political constraints, and innovation as a cumulative and interactive process. The new "mission" for science and technology policy and

the role of the EU are also investigated in the light of the long-term challenge.

Better management through value analysis: Report N°. 14394 (available in eight languages). A practical demonstration of value analysis, it presents a number of interesting case-studies covering a range of value analysis methods.

The future of RTOs in Europe (available in English).
Proceedings of the RTO (Research and Technology Organization) conference of November 1993.

All publications are free of charge. A complete list of all SPRINT publications is also available, including a brief summary of the content of all studies and surveys carried out under the SPRINT programme.

Contact: SPRINT Technical Assistance Unit Fax + 352 465550



#### MEASUREMENTS AND TESTING

Proceedings of the Workshop on the State of Method Development and Improvement of Environmental Analysis within the BCR programme (Brussels (B), 17-19 February 1993), published as a special issue of Analytica Chimica Acta (Vol. 286, No. 3)

Contact: Ph. Quevauviller Fax + 32 2 2958072

Proceedings of the Workshop on the State of the Art of the Determination

of Polychlorinated Dibenzo Dioxins and Furans (Como (I), 17-22 April 1993), published as a special issue of Fresenius' Journal of Analytical Chemistry (Vol. 348, Nos. 1-2)

Contact: E.A. Maier Fax + 32 2 2958072



#### **ENVIRONMENT**

Development and validation of methods for evaluating chronic toxicity to freshwater ecosystems (information brochure)

Decomposition and accumulation of organic matter in terrestrial ecosystems

EUR 15621 (Ecosystem Research Report No 12)

The effects of environmental UV-B radiation on health and ecosystems

(a synopsis of goals, implementation and perspectives in the Environment Programme).

#### Coastal Sciences

(a synopsis of goals, implementation and perspectives for research at the land-ocean-atmosphere interface in the Environment Programme).

Effects of Air Pollution on Historic Buildings and Monuments, Scientific basis for conservation (complementary information concerning the research reports), in European Cultural Heritage Newsletter on Research (Vol 8, No 1)

#### **ISORAC**

Infrared Spectroscopy of Ozone and Related Atmospheric Constituents

Stratospheric Chemistry and Ozone Depletion

(Air Pollution Research Report  $N^{\circ}$  51) - a planning document for the period 1/94 - 12/95.

2nd European Workshop on Biosensors for Environmental Monitoring

(Technologies for Environmental Protection Report  $N^{\circ}$  3)

Evaluation and improvement of bioremediation processes for contaminated soils (Technologies for Environmental

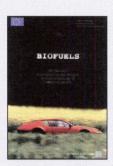
Protection Research Report N°4).

Proceedings from a joint CEC -

ESReDA Operational Safety Seminar (Lyon (F), 14-15 October 1994) Contact: J. Acevedo Fax + 32 2 2963024

#### AIR 3

New publications now available: *Biofuels* 



Research priorities relating to food irridiation

In the coming months, the following 4 study reports will also be available:

- Increased application of domestically produced plant fibres in textiles, pulp and paper production and composite materials
- Mycotoxins in human nutrition and health
- Production of bioplastics based on biological material
- Ways to improve the quality of domestically produced proteins for use in the animal feed industry.

The reports are free and are available only in English.

Contact: Mr Cornelese Fax + 32 2 2964322



#### BIOMED

#### Biomedical and Health Research

Publications now available in the Biomedical and Health Research Series are:

Health Services Research ISBN 90 5199 136 3 Price ECU 106

Advances in Biomedical Engineering

ISBN: 90 5199 119 3 Price: ECU 106

Advances in Medical Biology ISBN 90 5199 146 0 Price ECU 97

Epidemiology ISBN 9051991509 Price ECU 106

Towards Coordination of Cancer Research in Europe ISBN 90 5199 157 6 Price ECU 83

AIDS Research at EC Level ISBN 90 5199 159 2 Price ECU 92

European Medicines Research ISBN 90 5199 154 1 Price ECU 92

Two other volumes will shortly be available:

EC Human Genome Analysis Programme ISBN 90 5199 175 4 (due 9/94) Biomedical and Health Research at European Level ISBN 90 5199 173 8 (due 8/94)

All available from IOS Press Fax + 31 20 6203419 or + 44 865 750079

#### **NUCLEAR FUSION**

#### ITER EDA Documentation Series

In the framework of the Agreement on cooperation in the Engineering Design Activities for the International Thermonuclear Experimental Reactor (ITER EDA) between Euratom, Japan, Russia and the USA, the International Atomic Energy Agency (IAEA, Vienna) is publishing an ITER EDA Documentation Series where all relevant official documents are provided. The IAEA is also issuing a monthly ITER EDA Newsletter.

Contact: B Kouvchinnikov Fax + 43 222 237762.



#### NUCLEAR FISSION SAFETY -RADIATION PROTECTION

#### **Proceedings**

Molecular mechanisms in radiation mutagenesis and carcinogenesis (international seminar held in the Netherlands in 1993)

Training course on radon indoor risk and remedial actions (Stockholm (S), 5-9 September 1994)

Contact: K.H. Chadwick Fax + 32 2 2966256

#### CONFERENCES AND WORKSHOPS

#### **TELEMATICS**



#### **DELTA**

Open and distance learning: critical success factors Geneva (CH), 10-12 October. Contact: P. Dunand Filliol FPSE TECFA Fax + 41 22 7810350



#### **AIM**

Aim 1990-1994 final conference Lisbon (P), 6-10 December. Contact: AIM Central Office Fax + 32 2 2960181



#### Libraries

European Conference on library networking in Europe
Brussels (B), 12-14 October.

*Contact: E. Pedersen Fax* + 352 430133530

#### Drive/ATT

World Congress on Application of Advanced Transport Telematics and Intelligent Vehicule-Highway Systems Paris (F), 30 November-3 December

Contact: Z. Ketselidou Fax + 32 2 2962391



#### **BRITE-EURAM**

Biomaterials and medical devices workshop during the 11th European Conference on Biomaterials

Pisa (I), 10-14 September

Surface Techniques and tribology in mechanical industry workshop during the conference on Plasma Surface Engineering PSE '94

Garmisch Partenkirchen (D), 19-20 September

Contact: J. Y. Calvez Fax + 32 2 2958046

Conference on Industrial Technologies

Organised by the Brite-EuRam, Measurements and Testing and Steel research programmes, with the cooperation of the VALUE programme.

Brussels (B), 6-8 December

Contact: H. Pero Fax + 32 2 2963307



#### MEASUREMENTS AND TESTING

Workshop on Trends in Trace Element Determinations in Environment and Food Matrices (with an information open day) Thessaloniki (GR), 7-11 October Contact: Ph. Quevauviller Fax + 32 2 2958072

Information day on the Measurements and Testing Programme, with particular emphasis on the projects dealing with the determination of chemical species in the environment, in the framework of the International Conference on Environmental and Biological Aspects of Main-group Organometals Bordeaux (F), 6-9 September.

Contact: O.F.X. Donard Fax + 33 56 846645



#### **ENVIRONMENT**

Air Pollution Epidemiology -Experience in East and West Europe

Berlin (D), 14-15 November

6th International Workshop on Quantitative Structure-Activity Relationship (QSAR) in Environmental Sciences Belgirate (I), 13-17 September Contact: C. Nolan Fax + 32 2 2963024

EC Workshop on Degradation and Conservation of Granitic Rocks in Monuments

Santiago de Compostela (E), 28-30 November

Contact: J. Acevedo Fax + 32 2 2963024



#### STD-3

Multiple Resource Inventory and Monitoring of Tropical Rain Forests

Seremban (Malaysia), 21-24 November

Measuring and Monitoring Biodiversity in Tropical and Temperate Forests Chiang Mai (Thailand), 28 August-8 September

5th Round Table Conference on Dipterocarps - Recent Advances in Dipterocarp Research for Sustainable Forest Management Chiang Mai (Thailand), 7-9 November

Contact: K. Beese Fax + 32 2 2966252



#### JOULE II

8th European Conference on Biomass for Energy, Environment, Agriculture and Industry

Vienna (A), 3-5 October

This, the world's largest conference on the topic, will be followed by the second European Electricity Forum (6 October). The latter will cover topics concerning modern power generators concepts system characteristics and

performances, technologies, R & D and Demonstration activities and projects, state of the art and industrial involvement. A round table and open discussion will follow.

Contact: Giuliano Grassi Fax + 32 2 2960621



## HUMAN CAPITAL & MOBILITY (HCM)

#### Euroconferences

The Euroconference programme for summer 1994 is now

available through CORDIS. Euroconferences are a series of high level scientific meetings and EU support is intended to assist the participation of young researchers. There are some 97 upcoming Euroconference meetings between July and October in the following fields: mathematics and information sciences, physics, chemistry, life sciences, earth sciences, engineering and economics and social sciences.

The Euroconference list is available on the RTD-News database on CORDIS.

Reference: record number 2658, Forthcoming Human Capital and Mobility Euroconferences, 16/6/94.

For access details and information about CORDIS,

CORDIS Customer Service Fax + 352 34981248 *RTD-Help Desk Fax* + 352 430132084

For general information on the HCM Euroconference programme:

*Contact: E. Whitehead Fax* + 32 2 2963270



#### **NUCLEAR FUSION**

21st EPS Conference on Controlled Fusion and Plasma Physics

Conference of the Plasma Physics Division of the European Physical Society, organized locally by the Euratom-CEA Association (CEN-Cadarache). Montpellier (F), 27 June-1 July *Contact: E. Joffrin* Fax + 33 42 256255

#### **TELEMAN**

#### Student Research Project Congress

Presentations of students projects and international team robot competition
Leeuwenhorst (NL), 24-26 June
Contact: B. Robertson

*Contact: B. Robertson Fax* + 32 2 2962006

#### PROGRAMME

#### UPDATES

#### PROGRAMME

#### UPDATES

#### INFORMATION TECHNOLOGIES

## The information society and employment

At the European Information Technology Conference (EITC '94) in Brussels, 6-8 June 1994, Commissioner Martin Bangemann delivered a speech on "The information society and employment".

Mr Bangemann stressed that the dissemination of new technologies will contribute to job creation in Europe. However, if the European Union is slow to use new technologies, it will lose its competitive advantage and destroy employment prospects. Job creation, said Mr Bangemann, will occur mainly in new services and "content" industries, such as information

services and audiovisual programme production. This evolution will also help preserve the diversity of European culture.

## The global information society

On the basis of the Bangemann Group report – "Europe and the global information society" – three specific actions are expected to be developed:

- Acceleration of current telecommunications deregulation
- Preparation of necessary European regulations on intellectual property rights, and privacy and security
- Promotion of experimental applications.

#### Action needed

The information society is undergoing a revolution. In such a situation of

discontinuity, the costs of inaction are higher than the costs of action. In these circumstances, stressed Mr Bangemann, the necessary mechanisms for action should be set in motion at the European Council meeting in Corfu, Greece, on 24 June 1994.

#### **CORDIS**

#### New RTD-Contacts database

The new CORDIS RTD-Contacts database was launched on the ECHO Host on 16 May. The database will provide contacts throughout Europe to provide information on EU RTD, for example:

 Individuals at the Commission and other European institutions responsible for developing RTD policies, and for day-to-

- day management of specific programmes
- National representatives on programme steering committees and national contacts for programmes
- Commission RTD Help desks and programme info centres
- VALUE Relay Centres
- CORDIS correspondents
- IMPACT national awareness partners
- Euro Info Centres, etc.

The database will also include non-EU contacts such as national contacts for EUREKA, COST and the European Space Agency. It will be available via the CORDIS Menu System and be incorporated in edition III of the CORDIS CD-ROM.

Contact: CORDIS Customer Service Fax + 352 34981248

#### **VALUE**

#### Value programme support for technology assessment

Technology assessment (TA) aims to assist the transformation of technology into practical products and services which benefit both the economy and society in general. The 1994 VALUE Interfaces between Research, Society and the Scientific Community have just begun in the framework of the VALUE II programme. Their objective is to strenghten the European TA infrastructure and bring greater added value to RTD results. The European Technology Assessment Infrastructure (ETAI), a network of TA organizations, will be established to assess technologies and provide advice to policy-makers, who in turn can decide which technologies are best suited to meet the needs of society and commerce.

The VALUE II programme has planned a number of TA initiatives for strenghtening the ETAI. It will launch, before the end of 1995, a European TA database, newsletter, and network and clearing house for centralising TA expertise. A Technology Assessment Training scheme will also begin in July 1994.

Contact: V. Laopodis or F. Fernandez Fax + 352 430134989

#### CORRIGENDA RTD Info N° 5

CORDIS: A wrong fax number was given for the CORDIS RTD-Partners database. The correct fax number is: + 32 2 2801749

#### **NUCLEAR FUSION:**

In Programme Updates in the article on Controlled Thermonuclear Fusion the following last paragraph of the article on Medium term planning was missing:

"The strategical role of the project W7-X is now recognised, as W7-X appears to be the right step to be taken for the evaluation of the potential of the stellarator line."

#### **BRITE-EURAM - CRAFT**

UPDATES

#### Co-operative Research Action for Technology

The CRAFT action is designed to facilitate and stimulate research at a European level for SMEs with little or no RTD capacity of their own. Proposals are submitted in two steps and the bulk of the research in a given project is undertaken by third party "R&D performers" on behalf of the group of proposing SMEs.

#### Step 1

The call for Step 1 proposals was open continuously for a two-year period up to December 1993. 885 Step 1 proposals were received of which 391 have been selected for expansion into Step 2 proposals.

#### Step 2

To date a total of 149 Step 2 proposals have been submitted for evaluation of which 103 have been selected for funding. The remaining proposals which are still in their expansion phase have until 1 July 1994 (the final deadline) to submit their Step 2 proposals. It is expected that a total of between 150-160 cooperative RTD CRAFT projects will be running before the end of 1994.

#### **Future Prospects**

An improved scheme for cooperative research and special stimulation measures in favour of SMEs is expected to be implemented under the proposed Industrial and Materials Technologies programme of the 4th Framework Programme, maintaining the essential and proven features of CRAFT.

Similar SME specific measures will also be implemented under several other industrially specific programmes.

Contact: CRAFT Helpline Fax + 32 2 2955290



#### **BIOTECH**

#### Biotechnology

#### 3rd call for proposals

The Biotechnology CRN (Committee of a Regulatory Nature) has expressed a positive opinion on 30 proposals submitted under the third call. The formal evaluation of these proposals is expected to be completed by the end of June. The Commission is about to complete the process of evaluation of 30 proposals. which received support from independent peer review panels. The proposals would fall under areas such as structural analysis of proteins, animal cell technology or the cell regulation of biosynthesis in microorganisms. within the European perspective. The workshop covered the following topics:

- the state of the art
- perceived future bottlenecks
- the role of biological raw material production and logistics
- the role of upstream and downstream processing
- integration of farm management and industrial practices
- future market impact
- political incentives of biological raw material based products.

The workshop was attended by experts from Spain, Italy, France, the Netherlands, Denmark, Ireland, Sweden, Finland and Germany.

Contact: L. Breslin Fax + 32 2 2964322



#### NUCLEAR FUSION

#### JET restart

After a JET (Joint European Torus) restart programme ending on Saturday 30 April, the JET Experimental Programme was taken over by the three Task Forces D, H and T (Divertor assessment, High performance, Tokamak concept improvements). By the end of May, JET was producing plasmas with currents up to 4 MA and shapes well adapted to the new divertor configuration; good progress has also been made on the newly-installed Lower Hybrid Current Drive system - a major contender for ITER to enable long pulse (or



A workshop on Biomass/Bio energy in the agro-industry was held in Brussels on 30 May. Its objective was to organize the coordination and structure of European research in the field of crop production and processing of biological raw material, and to give Biomass/Bio energy research in the agro-industrial sector a more defined focus

even continuous) tokamak operation.



## HUMAN CAPITAL & MOBILITY

## HCM final selection rounds nearing completion

#### Networks

456 proposals were evaluated by CODEST (Committee for the European Development of Science and Technology) in February. The shortlist (about 20% of the original proposals) was approved by representatives of the Member States at the CRN (Committee of a Regulatory Nature) meeting in March and the final Commission decision is imminent.

#### Individual Fellowships

Following the opinion of CODEST on 6 May and the CRN meeting on 18 May, the Commission is considering a shortlist of nearly 300 proposals out of 1970 submitted (15%). The final decision is expected in June.

#### Institutional Fellowships

Under the Institutional Fellowship scheme, the Commission is required first to select host research institutes. The list of selected institutes is published in the Official Journal, after which prospective fellows may apply directly to the Institute of their choice. The Commission, having consulted CODEST and CRN, will publish the list of selected institutes for the final two selection rounds on 15 June (91 new institutes) and on 15 September (125 new institutes).

#### Euroconferences

Following the meetings of CODEST (February) and CRN (March), about 55% of the 146 Euroconference proposals were selected

Contact: Jürgen Rosenbaum Fax: +32 2 2963270

#### Sixth European Union Contest for Young Scientists

Set up to promote the ideals of cooperation and interchange between young scientists, the EU Contest provides a stimulus for the development of promising young scientific talent. It also gives entrants an opportunity to meet other participants and some of the most prominent scientists in Europe. In this way, the contest helps to attract more young people to careers in science, technology, research and development.

The young scientists (15-20 yrs) who attend the EU Contest are the winners of national competitions. Six first prizes of 5000 Ecu and six second prizes of 3000 Ecu are awarded for the best projects. In addition top finalists will attend the International Science & Engineering Fair in the USA or the Stockholm International Youth Science Seminar, which coincides with the Nobel Prize Week.

In 1995 the 7th EU Contest will be held in Newcastle-upon-Tyne (UK).

Luxembourg 26-28 September 1994

*Contact: Graham Blythe Fax* +32 - 2 - 2963270

#### NOTE TO READERS

Next issue of *RTD Info*: October 94.

Call for tender relating to studies concerned with the orientations of European Science and Technology Policy

Open call for tenders for the following studies:

- "Technology Foresight": Perspectives for European and International Cooperation
- Methods and Approaches for the Definition of Research Budgets
- Typology of partnerships established in the European research and innovation system
- Indirect Schemes and Mechanisms for Supporting RTD in Companies
- Technology management in enterprise/ regional administrations in less favoured regions of the European Union
- RTD strategies of the Top Five Hundred European Industrial Companies and their Participation in the Framework Programme and EUREKA
- The Role of "Technology Platforms" in Generic Technology Diffusion
- · "Multimedia"
- The "ecological transition" in the production and use of energy
- The "ecological transition" in the chemical industry.

Applicants can tender for one or more studies. However, each study must be the subject of a separate tender and in all cases tenders must cover the entirety of the study to which they relate. Final date for requests for relevant information documents: 9 August 1994 (Ref. RDT-SMA)

Deadline for receipt of tenders: 9 September 1994

Contact: B. Schmitz or P. Fisch Fax + 32 2 2963193

## Call for tender relating to studies concerned with cities

Open call for five studies intended to deepen the understanding of the difficulties of cities and to elaborate a diverse portfolio of technological options for the resolution of current and future urban problems:

- Development of new "urban concepts" integrating technologies and verification of their applicability to certain given urban situations
- Identification of the instruments necessary for the intergration of cities into their regional environment
- Promotion of the development of intra- and trans-urban networks
- Development of simulation models for particular cities which will be selected in order to evaluate, in an effective way, alternative solutions to the problems
- Evaluation of possible technological options to relieve the challenges caused by the saturation of cities.

Final date for requests for relevant information documents: 9 August 1994 (Ref. ACT-VILL) Deadline for receipt of tenders: 20 September 1994

*Contact: N. Dewandre Fax:* + 32 2 2964299

