
INFORMATION SOURCES

SECTION 1 – ORGANISATIONS

This section covers organisations carrying out work in the field of risk assessment. It includes departments of the European Commission, International Organisations, and National Organisations including Government Departments and Agencies. The objective is to provide signposts to available information.

The information offered was obtained from publicly available information such as the Internet and personal contact with the organisations concerned.



Category 1 – European Union

European Union Risk Policy and Initiatives

The general EU policy objectives for the management and assessment of risks and accidents are described in Chapter 6 of the Resolution of the Council and the Representatives of the Governments of the Member States on a Community programme of policy and action in relation to the environment and sustainable development (The Fifth Environmental Action Programme - O.J. No: C 138/1, 17.5.93). The progress made towards these objectives of improving the assessment and management of risks and the response to accidents and catastrophes is described in the Progress Report on the above programme (COM (95) 624 final 10.01.1996). The Progress Report highlights the work of DGXI, DGXII and The Joint Research Centre on Major Accident Hazards, chemicals control including risk assessment, management and reduction of new and existing chemicals, pesticide and biocide control, the risk assessment and management of genetically modified organisms, and radiation protection. Details of some of the work programmes are provided below. Information on all programmes is available by contacting the appropriate person in the list provided.

The following information is available on the Internet at <http://europa.eu.int/en/comm/dgserv.html>

DGXI

Core Tasks:

- Determining and managing standards and criteria for environmental quality and environmental space;
- Addressing target groups with tasks and visions for solutions;
- Developing and managing legal, economic, financial and social instruments;
- Promoting the application of policy instruments, environmental infrastructure and appropriate implementation conditions;
- Enforcement, monitoring and evaluation of the implementation of Community policies and regulations.

Relevant Contacts:

Directorate C: Nuclear Safety and Civil Protection. Director: S. FRIGREN, Fax: (+32 2) 2964678

C 1 Radiation protection
Fax: (+352) 4301 34646

Environmental monitoring and inspection
G. FRASER, Fax: (+352) 4301 36280

C 2 Safety of nuclear installations
E. LOPEZ-MENCHERO, Fax: (+32 2) 2950050

C 3 Radioactive waste management policy
D. TAYLOR, Fax: (+32 2) 2950061

C 4 Civil Protection
A. BARISICH, Fax: (+32 2) 2990314

Directorate E: Industry and Environment. Director: R. FROMMER, Fax: (+32 2) 2967870

E 1 Industrial installations and emissions
Industrial hazards, environmental management and eco-audit
K. KRISOR, Fax: (+32 2) 2990313

E 2 Chemical substances and biotechnology
G. CORCELLE, Fax: (+32 2) 2969557

Biotechnology
H. MARTIN, Fax: (+32 2) 2969557

E 3 Waste management
L. KRAEMER, Fax: (+32 2) 2991068

DGXII**Core Tasks:**

- Develops the European Union's Policy on Research and Technological Development. It supplements national research efforts, strengthens the scientific and technological bases of European industry, and supports the policies followed by the Union in its major fields of jurisdiction (environment, health, education, energy, etc.).
- Implements this policy by means of co-operative programmes which associate companies - in particular SMEs - universities and research centres of various European countries in joint projects. These projects are incorporated in multi-annual Framework Programmes, including the current Fourth Framework Programme (1994-1998), which has a total budget of ECU 12.3 billion.
- Promotes public knowledge of science and technology, and stimulates debate in this area at a European Level.

Relevant Contacts:**Environment and Climate**

Peter REINIGER (Environmental technologies), Fax: (+32 2) 2963024, E-mail: environ-infodesk@dg12.cec.be

Biotechnology

Alfredo AGUILAR, Fax: (+32 2) 2955365, E-mail: life-biotech@dg12.cec.be

Nuclear Fission Safety

Jaak SINNAEVE (Radiation protection), Fax: (+32 2) 2966256

Werner BALZ (All areas except radiation protection), Fax: (+32 2) 2954991

Joint Research Centre

The JRC has the natural vocation to perform research on transfrontier problems, such as those posed in the fields of the environment or risk analysis. The JRC is independent of all interest groups and works for the major objectives of the European Union. This makes it an organisation, which is very suitable for performing pre-regulatory and pre-standardisation research needed for setting up the single European market. The JRC also forms an independent source of scientific knowledge. In this context it can help to solve problems creating situations of conflict in various countries. The JRC has research installations which are too expensive or specialised to be multiplied in Europe, and which can thus only be set up at the European level. These installations are used by the JRC in its own programmes and also made available for other organisations (public or private) through collaboration agreements or contractual arrangements.

Relevant Contacts:**Environment Institute** (see below)

Tel: (+39 332) 789042

Fax: (+39 332) 789222

European Chemicals Bureau (see below)

Tel: (+39 332) 789983

Fax: (+39 332) 789963

Major Accident Hazards Bureau (see below)

Fax: (+39 332) 789007

The European Environment Agency

"The goal of the EEA and its wider network, EIONET, is to provide the European Union and the Member States with high quality information for policy-making and assessment of the environment, inform the general public, and to provide scientific and technical support to these ends."

Contact address:

Kongens Nytorv 6, DK-1050 Copenhagen K, Denmark

Tel: (+45) 33 36 71 00, Fax: (+45) 33 36 71 99, E-mail: eea@eea.dk, WWW: <http://www.eea.dk/>

Commission of the European Communities (CEC) - Joint Research Centre (JRC) Environment Institute, European Chemicals Bureau (ECB)

JRC Ispra, TP 280, 21020 Ispra (VA), Italy
Tel: (+39 332) 789983, Fax: (+39 332) 789963, WWW site: <http://www.jrc.org/jrc/index.asp>

The ECBs principle task is to carry out and co-ordinate the scientific / technical work needed for the implementation of legislation in the area of chemical control. The work plays an important role in the assessment and management of risks posed by new and existing substances. For New Chemicals, the ECB holds all the evaluation dossiers completed by the Competent Authorities (CA) in each state, places them in the New Chemicals Database and validates the assessment process. For Existing chemicals the ECB co-ordinates the programme which includes data collection, priority setting and risk assessment. Evaluations are made on those substances in use before Sept 1981, the EINECS (European Inventory on Existing Chemical Substances) list. Chemicals are selected for evaluation by using the Informal Prioritisation Method, which produces a priority list. The CAs carry out the assessments in accordance with the Technical Guidance Document and the information is stored on the IUCLID (International Uniform Chemical Information Database). The ECB is also developing a European Union System for Evaluation of Substances (EUSES) - a risk assessment support tool, implementing the Technical Guidance Documents in a computer database.

Commission of the European Communities (CEC), Joint Research Centre (JRC), Institute for Systems, Informatics and Safety, Major Accident Hazards Bureau

T.P 670, I-21020 Ispra (VA), Italy
Tel: (+39 332) 785485, Fax: (+39 332) 789007, WWW site: <http://mtrls1.jrc.it:80/mahb/>

The MAHB has a mission to assist DG XI in the successful implementation of EU policy on the control of major hazards and the prevention and mitigation of major accidents. The MAHB carries out technical activities including: the management of the Major Accident Reporting System database; the management of the Community Documentation Centre on Industrial Risk (a list of publications can be found at WWW address: <http://www.ei.jrc.it/newsletter/15/docrisk.html>) and the dissemination of information on industrial risk. Further information can be found in the Environment Institute Newsletter No.15: <http://www.ei.jrc.it/newsletter/15/>.

CEC Joint Research Centre Institute for Systems Engineering and Informatics and DG XI Industrial Installations and Emissions - Major Industrial Hazard Research Programme and Industrial Safety Research Programme

TP 670, I-21020 Ispra (VA), Italy
Tel: JRC Information - (+39 332) 789 889, Fax: (+39 332) 785 409, E-mail: prp@jrc.it

The Major Industrial Hazard Research Programme consisted of three consecutive research programmes between 1987 and 1994 covering Evaluation and Management of Risk, Chemical and Physical Phenomena, and Technologies of Accident Prevention and Mitigation. The research supported EC policy and legislation in this field, notably the Council Directive 82/501/EEC (Seveso). Details of projects can be found at internet site: <http://www.ei.jrc.it/newsletter/16/Major.html>. Following on from the Major Industrial Hazard Research Programme, the Industrial Safety Research programme again supports the Seveso Directive and its revisions such as the COMAH Directive (COM (94) 4 final 94/0014). The work covers three main areas - i) technologies to mitigate or prevent accidents; ii) chemical and physical phenomena of releases of hazardous material; iii) risk assessment and management. The last area includes safety management methodologies, the study of human behaviour in crisis situations, the development of decision support tools for crisis management, and methodologies for land-use planning, emergency response and regional/sub-regional risk assessment.

CARACAS (Concerted Action on Risk Assessment for Contaminated Sites in the European Union)

Breitenfurterstr. 97, A-1120 Vienna, Austria
Tel: (+43 1) 804 93 192, Fax: (+43 1) 804 93 194, E-mail: 101355@compuserve.com, WWW site:

CARACAS is a DGXII funded programme, which focuses on the co-ordination of research in order to achieve a secured state of scientific knowledge on environmental risk exposed from contaminated sites. The results will support the development of consistent risk assessment methodologies, and will strengthen the collaboration between the EU Member States in this area.

Category 2 – International

Associazione Italiana di Protezione Contro le Radaizioni, (AIRP) Italian Radiation Protection Association

c/o ENEA, via Mazzini 2, I-40138 Bologna, Italy
Tel: (+39 51) 498259

CEFIC (European Chemical Industry Council)

Av. E. van Nieuwenhuysse 4, bte 2, B-1160 Bruxelles, Belgium
Tel: +32 (0) 2 676 72 11, Fax: +32 (0) 2 676 73 01, WWW site: <http://www.cefic.be/index.htm>

The objective of CEFIC is to provide a mechanism for structured discussion of issues affecting chemical companies operating in Europe and to represent the industry's position on these issues in order to contribute to the legislative decision-taking process. The audience for CEFIC's representation is organisations and individuals whose role and authority extend beyond national boundaries and whose decisions have international effect.

CEFIC is made up of the national chemical industry federations of 22 countries in Europe and large international companies which are members in their own right.

CEFIC has many contacts with various public/official bodies such as the European Commission, the Council of Europe, OECD, IEA, and the United Nations' organisations and agencies.

CEFIC serves the chemical industry to which it belongs and serves the society in which it operates. Its purpose is to make sure that progress is not impeded by misconceptions and that the substantial benefits which the chemical industry brings to the economy, the standard of living and the quality of life continue to be available without risk to health and the environment. More information is available on the web page including publications.

Chemical Industries Association

Kings Buildings, Smith Square, London SW1P 3JJ, UK
Tel: (+44 171) 834 3399, Fax: (+44 171) 834 4469

Promotes co-operation in the chemical industry. Manages UK Responsible Care Program - industry initiative for improved health, safety and environmental performance. Produces publications.

European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC)

Avenue E. Van Nieuwenueye 4 (Bte.6), B-1160 Brussels, Belgium
Tel: (+32 2) 675 3600, Fax: (+32 2) 675 3625

The association co-operates in a scientific context with intergovernmental agencies, governments, health authorities, other public and professional institutions with interests in ecotoxicological and toxicological issues relating to chemicals. Produces information relevant to the protection of human health from exposure to chemicals and the ecological impact of the manufacture, processing and use of chemicals. Publications in the form of reports and monographs are available.

European Environmental Research Organisation - Assessment Unit

PO Box 182, NL-6700 AD Wageningen, The Netherlands.
Tel: +31 317 48 27 96, Fax: +31 317 48 49 41, E-mail: office@training-ctr.nl, WWW site: <http://www.training-ctr.nl>

The Assessment Unit offers services to government and industry in assessing controversial environmental problems that require in-depth expert judgement before adequate decisions can be made. The EERO Assessment Unit brings together renowned and independent experts working in the relevant scientific and managerial fields. The composition of the group allows a neutral evaluation of the problem the outcome of which is published in a scientific journal under the joint authorship of the experts.

The results of previous assessments have been used as a basis for advice to governments, industries or agencies; for establishing policy guidelines, standards and norms; and for initiating research.

European Federation Biotechnology Working Party - Safety in Biotechnology

O. Doblhoff-Dier, University of Agriculture, Institute of Applied Microbiology, Nussdorfer Laende 11, A-1190 Vienna, Austria
Tel: (+43 1) 36006 ext. 6202, Fax: (+43 1) 369 7615, E-mail: doblhoff@boku.ac.at, WWW site: http://www.boku.ac.at/lam/efb/efb_wp.htm

Provides recommendations on the safety aspects of biotechnology with respect to the environment, the public, personnel and products. This includes the identification and monitoring of hazards associated with various applications in biotechnology, and the assessment and quantification of risks. The group meets twice yearly (members include representatives from WHO and OECD). A series of reports have been produced.

Food and Agriculture Organisation of the United Nations

Via delle Terme di Caracalla, 0100 Rome, Italy
Tel: (+39 6) 52 251, Fax: (+39 6) 52 25 31 52, WWW site: <http://www.fao.org/default.htm>

The FAO works to alleviate poverty and hunger by promoting agricultural development, improved nutrition and the pursuit of food security and safety. The organisation offers direct development assistance, collects, analyses and disseminates information, provides policy and planning advice to governments and acts as an international forum for debate on food and agriculture issues. Participates in international co-operative activities on food safety such as Joint FAO/WHO Expert Committee on Food Additives and produces a vast number of publications which can be found on the web site.

Institution of Chemical Engineers

165-189 Railway Terrace, Rugby, Warwickshire CV21 3HQ, UK
Tel: (+44 1788) 578214, Fax: (+44 1788) 560 833, WWW site: <http://www.icheme.org>

An international body providing information on risk assessment in many forms: training resources; short courses; in-company training; subscription bulletins; books; and open meetings. The information is not exclusively applicable to the chemical and process industries but covers many sectors. Produces various publications.

International Agency for Research on Cancer (IARC) (WHO)

150 cours Albert Thomas, F-69372 Lyon cedex 08, France
Tel: (+33) 472 738 485, Fax: (+33) 472 738 575, WWW site: <http://www.iarc.fr/>

Independently financed organisation within the framework of the WHO. Conducts research principally on the epidemiology of cancer and the study of potential carcinogens in the human environment. Publications: monographs, technical reports.

International Commission for Protection Against Environmental Mutagens and Carcinogens

Medical Bio Lab TNO, Lange Kleieweg 139 PB 45, NL-2280 AA Rijswijk, The Netherlands
Tel: (+31) 15138777

International Commission on Radiological Protection (ICRP)

Clifton Avenue, Sutton, Surrey, SM2 5PU, UK
Tel: (+44 181) 642 4680

Gives general guidance on the more widespread use of radiation sources caused by rapid developments in the field of nuclear energy.

International Programme on Chemical Safety (IPCS)

World Health Organization, CH-1211 Geneva 27, Switzerland
Tel: (+41 22) 791 35 88, Fax: (+41 22) 791 48 48, E-mail: ipcs@who.ch, WWW site: <http://www.who.ch/programmes/WHOProgrammes.html>

The overall objectives of the IPCS are to establish the scientific basis for assessment of the risk to human health and the environment from exposure to chemicals, through international peer-review processes, as a prerequisite for the promotion of chemical safety, and to provide technical assistance in strengthening national capacities for the sound management of chemicals. Many types of publications are produced, including the Environmental Health Criteria series.

International Radiation Protection Association (IRPA)

PO Box 662, NL-5600 AR Eindhoven, The Netherlands
Tel: (+31) 40 473355, Fax: (+31 40) 435020

Organisation for international communications and co-operation in radiation protection.

International Society for Environmental Toxicology and Cancer

PO Box 134, Park Forest, IL 60466, USA
Tel: (+1 312) 755 2080

International Society for Exposure Analysis

Integrated Environmental Services, University Tower, Suite 280, 4199 Campus Drive, Irvine CA 92715, USA
(Contact for membership), E-mail: <http://www.isea.rutgers.edu/isea/isea.html>

"The objective of the Society is to foster and advance the science of exposure analysis related to environmental contaminants, to human populations and activities, and to ecosystems. The membership promotes communication among all disciplines involved in exposure analysis, recommends exposure analysis approaches to address substantive or methodological concerns, and attempts to strengthen the impact of exposure assessment on environmental policy." The Society produces a journal - Journal of Exposure Analysis and Environmental Epidemiology, and regular newsletters. Annual conference this year with Society of Risk Analysis - December 1996. The Internet site provides more information.

OECD Environment Directorate, Environmental Health and Safety Division

2 rue Andre Pascal, 75775 Paris Cedex 16, France
Tel: (+33 1) 45 24 82 00, Fax: (+33 1) 45 24 85 00, E-mail: ehscont@oecd.org, WWW site: <http://www.oecd.org/ehs/>

The OECD work on Environment, Health and Safety consists of four Programme areas: Chemicals Programme; Chemicals Accident Programme, Biotechnology Programme and Pesticides Programme. The Chemicals Programme includes work on Test Guidelines, Good Laboratory Practice, Hazard/Risk Assessment, Risk Management and the investigation of existing chemicals. Comprehensive information on all four programmes is available on the internet including lists of available publications provided at no charge.

Oil Companies European Organisation for Environmental Health Protection (CONCAWE)

Madouplein 1, B-1030 Brussels, Belgium
Tel: (+32 2) 220 3111, Fax: (+32 2) 219 4646

Assistance of a scientific nature to the crude oil refining industry in the study of environmental, health and safety issues relating to the refining, distribution and use of crude oil and petroleum products and improvement of the understanding of these issues by the industry, authorities and users. Funded by the oil industry. Produces publications.

Risk Assessment and Policy Association

Franklin Pierce Law Center, 2 White Street, Concord NH 03301, USA
Tel: (+1 603) 228 1541, Fax: (+1 603) 224 3342, WWW site: <http://www.fplc.edu/tfield/rapa.htm>

The objective of RAPA is to explore issues of assessment and management of health, safety and environmental risks and to further the education and professional development of individuals sharing this objective. Its goals are:

- To promote multidisciplinary research on the theory and practice of risk assessment and management;
- To foster intellectual exchange among researchers, risk assessors and policy makers;
- To encourage public involvement in risk assessment and management;
- To examine the use of risk assessment in legislative, regulatory and other policy deliberations in the US and elsewhere;
- To study the use of risk analysis in decision making. Produces a journal and newsletter.

Safety and Reliability Society

Clayton House, 59 Piccadilly, Manchester, M1 2AQ, UK
Tel: (+44 161) 228 7824, Fax: (+44 161) 236 6977

The Society aims to provide an international forum for exchange of information on safety and reliability matters and to establish professional and educational standards for safety and reliability engineers.

SETAC Europe and SETAC

Avenue E Mounier 83, Box 1, 1200 Brussels, Belgium and 1010 North 12th Avenue, Pensacola, FL 32501-3370, USA
Tel: (+32 2) 772 7281 and (+1 904) 469 1500, Fax: (+32 2) 770 5386 and (+1 904) 469 9778,
E-mail: 100725.3525@compuserve.com and setac@setac.org, WWW site: <http://www.setac.org/>

Has as one of its objectives "to promote the use of a multidisciplinary approach to solving problems of the impact of chemicals and technology on the environment". Achieves objectives through peer-reviewed scientific journal - Environmental Toxicology and Chemistry, workshops, annual meetings, publications and a newsletter. 1,100 members (Europe) - scientists working in government, industry or academia - expertise includes hazard and risk assessment. A wealth of experience and expertise in risk assessment is also available from SETAC advisory groups such as on Ecological Risk Assessment.

The Hazards Forum

1 Great George Street, London SW1P 3AA, UK
Tel: (+44 171) 839 9971, Fax: (+44 171) 233 1806

The Hazards Forum is an interdisciplinary forum for engineers concerned with the mitigation of both natural and man-made hazards.

The Royal Society of Chemistry

Burlington House, Piccadilly, London W1V 0BN, UK
Tel: (+44 171) 4378656, Fax: (+44 171) 4378883, WWW site: <http://chemistry.rsc.org/rsc/>

The Royal Society of Chemistry is a learned and professional society with a world-wide membership of 46 000. It has as its main objectives; the advancement of the science of chemistry and its applications, and the maintenance of high standards of competence and integrity among practising chemists. The Society has been involved in the publishing of journals since 1841. It now produces a wide range of journals, books and databases and provides information services through its extensive library. Surplus generated from sales is used to fund the promotion of chemistry.

The Society for Risk Analysis - Europe

PO Box 247, 4102 Binningen 1, Switzerland
Tel: (+41 61) 422 13 70, Fax: (+41 61) 422 13 70

"The Society for Risk Analysis is a multidisciplinary, interdisciplinary, scholarly, international society that provides an open forum for all those who are interested in risk analysis. Risk analysis is broadly defined to include risk assessment, risk characterisation, risk communication, risk management, and policy relating to risk, in the context of risks of concern to individuals, to public and private sector organisations, and to society at a local, regional, national, or global level. The SRA brings together individuals from diverse disciplines and from different countries and provides them with opportunities to exchange information, ideas, and methodologies for risk analysis and risk problem-solving; fosters understanding and professional collaboration among individuals and organisations for the purpose of contributing to risk analysis and risk problem-solving; facilitates the dissemination of knowledge about risk and risk analysis methods and their applications; encourages applications of risk analysis methods; promotes advancement of the state-of-the-art in research and education on risk analysis; and provides services to its members to assist them in developing their careers in risk analysis." (SRA Mission Statement). The SRA produces regular newsletters, holds regular conferences and produces the journal - Risk Analysis.

UNEP Industry and Environment - The APELL Programme

Tour Mirabeau, 39-43 quai André Citroën, 75739 Paris Cedex 15, France
Tel: (+33 1) 44 37 14 50, Fax: (+33 1) 44 37 14 74, E-mail: unepie@unep.fr, WWW site: <http://www.unepie.org/home.html>

The APELL (Awareness and Preparedness for Emergencies at Local Level) is a programme designed to create and/or increase public awareness of possible hazards within a community; stimulate the development of co-operative plans to respond to any emergencies that might occur; encourage prevention of accidents.

Sponsored by UNEP in co-operation with the US Chemical Manufacturers' Association and the Conseil Européen des Fédérations de l'Industrie Chimique (CEFIC).

General publications have been produced including an Annotated Bibliography on emergency preparedness, and a newsletter distributed as a supplement to Industry & Environment review.

Details of other activities carried out by UNEP/IE can be found on the web page.

UNEP International Register of Potentially Toxic Chemicals (IRPTC)

Case Postale 356, 15 chemin des Anémones, Châtelaine CH-1219, Geneva, Switzerland
Tel: (+41 22) 979 9111, Fax: (+41 22) 797 34 60, E-mail: irptc@unep.ch, WWW sites: <http://irptc.unep.ch/irptc/>, <http://irptc.unep.ch/pic/>, <http://irptc.unep.ch/prtr/>, <http://irptc.unep.ch/pops/>

UNEP Chemicals (IRPTC) is the focus of all activities undertaken by UNEP to ensure the globally sound management of chemicals. It is built upon the solid technical foundations of the International Register of Potentially Toxic Chemicals (IRPTC). In its suite of responsibilities, UNEP chemicals catalyses global actions to promote chemical safety and management, including facilitating the adoption of global legal instruments on hazardous chemicals; promotes the exchange of information on chemicals in order to help governments protect human health and the environment; assists Governments to establish and enhance their chemical safety programmes through the support of awareness raising, training and capacity building activities; and performs technical analysis in support of the above.

WHO Programme for the Promotion of Environmental Health

World Health Organization, Avenue Appia, CH-1211 Geneva 27, Switzerland

Tel: (+41 22) 791 2111, Fax: (+41 22) 791 0746

WWW site: <http://www.who.ch> (links à WHO Major Programmes à Programme for the Promotion of Environmental Health)

Addresses priority issues concerning the physical and social environment. The Programme carries out WHO responsibilities for co-ordinating international work in the area of health and environment, and assists member states with the development and implementation of national health and environment programmes.

WHO's work in the field of chemical safety is undertaken by the Programme for the Promotion of Chemical Safety (PCS) largely in collaboration with ILO and UNEP in the International Programme on Chemical Safety (IPCS - see separate entry).

Work carried out by the PEH Programme includes the development of health risk assessment methodology, radiation safety, global hazards assessment, and water and air quality management. Comprehensive information is available from the WHO web site.

WHO Food Safety Unit

World Health Organization, Avenue Appia, CH-1211 Geneva 27, Switzerland

Tel: (+41 22) 791 3588, Fax: (+41 22) 791 0746, E-mail: foodsafety@who.ch

WWW site: <http://www.who.ch/programmes/WHOProgrammes.html>

WHO's food safety programme aims to reduce the occurrence of food-borne diseases caused by microbiologically contaminated food, which are a major contributor to diarrhoea and malnutrition, especially in young children. The programme also seeks to prevent or control hazards posed by chemical substances in foods, including both natural and man-made environmental contaminants as well as those substances that become a component of food through production and processing. WHO collaborates with the FAO in serving as the Secretariat to the Codex Alimentarius Commission. With the importance given to Codex standards, guidelines and other recommendations, by their recognition by the World Trade Organisation, WHO and FAO have convened a series of consultation to promote the consistent and transparent application of risk assessment within the Codex system. WHO is also the executing agency for the Global Environment Monitoring System - Food Contamination Monitoring and Assessment Programme (GEMS/Food) which provides data on the exposure of the human population to 19 priority contaminants in individual foods and the total diet. WHO is also playing an important role in assessing risks posed by microbiological and other biological agents to human health. A databank of food-borne diseases is maintained and assessments of emerging or recently recognised food-borne pathogens are prepared. The Food Safety Unit produces a wide range of publications on food safety including the WHO food safety documents and joint FAO/Codex Alimentarius reports.

Category 3 – National

<p>Advisory Committee on Releases to the Environment (ACRE) UK Chemicals and Biotechnology Division, DOE, Room B351, Romney House, 43 Marsham Street, London SW1P 3PY, UK Tel: (+44 171) 276 8331, Fax: (+44 171) 276 8333, E-mail: 106523.261@compuserve.com, WWW site: http://www.shef.ac.uk/~doe</p> <p>UK advisory body for the Government on release and marketing of GMOs.</p>
<p>Biotechnology Advisory Center Stockholm Environment Institute, Box 2142, Lilla Nygatan 1, S-103 14 Stockholm, Sweden Tel: (+46 8) 723 0260, Fax: (+46 8) 723 0348, E-mail: seibac@sei.se, WWW site: http://www.sei.se/bac.html</p> <p>The BAC mission is helping to meet the challenge of biosafety capacity building in developing countries. The BAC support to developing countries has mainly consisted of two components. Firstly, training in biosafety risk assessment and risk management. Secondly, biosafety information exchange and information interpretation to support scientific and environmental biosafety assessments.</p>
<p>Centre for Environmental and Risk Management (CERM) School of Environmental Sciences, University of East Anglia, Norwich NR4 7TJ, UK Tel: (+44 1603) 592838, Fax: (+44 1603) 507719</p> <p>A specialist interdisciplinary Centre providing a unique research and consultancy service in several fields including environmental risk assessment, industrial risk assessment, and risk management.</p>
<p>Centre for Integrated Environmental Risk Assessment (CIERA) Environment Agency, Romney House, London SW1P 3PY, UK Tel: (+44 171) 276 5305</p> <p>Centre of Expertise in environmental risk in industry for UK Environment Agency.</p>
<p>Consejo de Seguridad Nuclear (regulatory body for radiation protection) Justo Dorado 11, E-28040 Madrid, Spain Tel: (+34 1) 534 9140, Fax: (+34 1) 455 1280</p> <p>Regulatory body for radiation protection.</p>
<p>Danish National Environment Research Institute Frederiksborgvej 399, PO Box 358, DK-4000 Roskilde, Denmark Tel: (+45) 46 30 12 00, Fax: (+45) 46 30 11 14, WWW site: http://www.fsk.dk/dgri/1996/dmu.html</p> <p>NERI is a government agency under the Ministry of Environment and Energy. "NERI's mission is to provide a sound and informed scientific basis for making environmental decisions at the political, administrative and commercial levels. The Department of Environmental Chemistry conducts research and develops techniques of relevance for studies of the environmental fate of natural and anthropogenic pollutants occurring in various matrices."</p>
<p>Danish Toxicology Centre (DTC) Agern Allee 15, DK-2970 Hoersholm, Denmark Tel: (+45) 42 57 00 55, Fax: (+45) 42 57 19 19</p> <p>Aims to procure, assess and communicate toxicological data and aspects regarding legislation.</p>
<p>Finnish Environment Institute PO Box 140, FIN-00251 Helsinki, Finland Tel: (+358 9) 403 000, Fax: (+358 9) 4030 0190, WWW site: http://www.vyh.fi/fei/fei.html</p> <p>The FEI is a national research institute. Three divisions of eleven conduct research in the field of risk assessment: the Impacts Research Division; the Pollution Prevention Division; and the Chemicals Division. Areas of research include: behaviour and ecological effects of chemicals in the terrestrial and aquatic environment, human exposure to contaminants in the environment; risk assessment and reduction of chemicals; and risks of GMOs. The Institute works with various organisations in Finland such as universities and throughout Europe.</p>

<p>Fraunhofer Institute for Toxicology and Aerosol Research Nicolai-Fuchs-Strasse 1, D-30625 Hannover, Germany Tel: +49 (0) 5 11 / 53 50 - 0, Fax: +49 (0) 5 11 / 53 50 - 1 55, E-mail: info@ita.fhg.de, WWW site: http://www.fhg.de/depts/ita-e.html</p> <p>"The main work of the Institute is research into the effects and mechanisms of action of foreign substances, particularly after chronic exposure in the low dose range. The Institute is a leading authority world wide on the study of airborne pollutants (inhalation toxicology). The range of activities is complemented by reports on risk assessment for humans." (Web page) Various publications are produced, a list is available on the main web page of the Fraunhofer Gesellschaft.</p>
<p>Fraunhofer Working Group for Toxicology and Environmental Medicine (ATU) Grindelallee 117, D-20146 Hamburg, Germany Tel: (+49 40) 41 23 52 77, Fax: +49 (0) 40 / 41 23 - 53 16, WWW site: http://www.fhg.de/depts/atu-e.html</p> <p>"The ATU, integrated with the Departments of Medicine and Chemistry of the University of Hamburg, deals with research and scientific consultancy concerning the biological, physical and chemical effects the environment has on people's health. In the department of Environmental Medicine, the ATU investigates how the occurrence of diseases in man is connected to chemical exposure from the environment. The ATU offers expert competence in various fields of toxicology, medicine, biology and chemistry, and thus provides the basis for scientific assistance in coping with problems of environmental and health protection." (Web page) Various publications are produced, a list is available on the main web page of the Fraunhofer Gesellschaft.</p>
<p>Fraunhofer-Institut für Umweltchemie und Ökotoxikologie (IUCT) Fraunhofer Institute for Environmental Chemistry and Ecotoxicology P.O Box 1260, D-57377 Schmallenberg Tel: (+49) 29 72 30 20, Fax: (+49) 29 72 30 23 19, E-mail: info@iuct.fhg.de, WWW site: http://www.iuct.fhg.de</p> <p>The IUCT concentrates on research, development and specialist services with respect to identifying and characterising chemical substances and products in the environment including the determination of ecotoxicological effects. In collaboration with government agencies and industry, the Institute develops and optimises concepts, evaluation processes and methods for the protection of soil, water and ecosystems, the classification and disposal of wastes, for the assessment of substances and technical processes and products, and for the protection of human life against exposure to toxic substances. The offered research products comprise testing and assessment procedures in areas related to the prediction and estimation of environmental damage, decontamination and product improvement, including production-integrated environmental protection. The Institute produces various publications, a list is available on the web site.</p>
<p>Gabinete de Protecção e Segurança Nuclear (Environmental radioactivity advice) Avenida da República 45-6, P-1000 Lisbon, Portugal Tel: (+351 1) 793615, Fax: (+351 1) 7973482</p> <p>Environmental radioactivity surveillance, safety assessment and emergency advice.</p>
<p>Gesellschaft für Strahlen und Umweltforschung GmbH (GSF) (Radiation and Environmental Research Centre) Ingolstädter Landstrasse 1, D-8042 Neuherberg, Germany Tel: (+49) 89 31870</p> <p>Research on the protection of man and his environment from harmful influences.</p>
<p>Institut National de l'Environnement Industriel et des Risques (INERIS) - French Institute for the Industrial Environment and Technological Risks Parc Technologique ALATA, BP 2, 60550 Verneuil-en-Halatte, France Tel: (+33) 344 556 677, Fax: (+33) 344 556 699</p> <p>INERIS is a national organisation both public and commercially funded. It serves both government and industry with research expertise in a wide range of areas including the impacts of industry on the environment and public health, technological risks, and waste and land pollution control. This involves the assessment, modelling and analysis of hazards from industrial activities and toxicological and ecotoxicological testing. INERIS is also committed to two European networks - ENERO (European Network of Environmental Research Organisations) and ESReDA (European Safety, Reliability and Data Association). Produces a range of publications, a list is available.</p>
<p>Kasanterveyslaitos (NPHI) (National Public Health Institute) PO Box 95, SF-70701 Kuopio, Finland Tel: (+358) 71 20 12 11, Fax: (+358) 71 20 12 65</p>

National Food Agency of Denmark

Mørkøvej Bygade 19, DK-2860 Søborg, Denmark

Tel: (+45) 39 69 66 00, Fax: (+45) 39 66 01 00, WWW site: <http://www.lst.mim.dk>

"The National Food Agency of Denmark administers The Food Act and assists the Minister of Food, Agriculture and Fisheries in formulating regulations, counselling on health aspects and researching on food issues. The Agency supervises and co-ordinates the work of the municipal food control units. Further, the Agency carries out toxicological counselling and research for the Ministry of the Environment in the areas of gene technology and chemical substances and products." Major tasks include: analysing, supervising and evaluating health risks of undesired substances and micro-organisms in the Danish diet; toxicological examination of chemical substances; evaluation of health risks in connection with genetically modified organisms and related products.

National Radiological Protection Board (NRPB)

Chilton, Didcot, Oxfordshire OX11 0RQ, UK

Tel: (+44 1235) 831600, Fax: (+44 1235) 833891, E-mail: nrbp@mcimail.com

Independent statutory body, a national point of authoritative reference in radiological protection. Responsible for the advancement of knowledge about the protection from radiation hazards by means of research and otherwise, and to provide information and advice to those with responsibility for protection in the United Kingdom.

National Research School for Environmental Chemistry and Toxicology

Utrecht University, Utrecht, The Netherlands

Tel: (+31 30) 2535400, Fax: (+31 30) 2535077, E-mail: r.kroes@ritox.dgk.ruu.nl,

WWW site: <http://www.ruu.nl/Onderzoek/lopend/Field-C.html#C.06>

The School studies the fate of chemicals in the environment (environmental chemistry), and the effects of chemicals on organisms and health risk assessment (toxicology). The main objectives of the Research School include the prediction of fate and effects of chemicals and risk assessment of chemicals. Collaborative research with TNO, RIVM and the Universities of Wageningen and Nijmegen is also carried out.

Naturvardsverket (Swedish Environmental Protection Agency - SNV)

S-10648 Stockholm, Sweden

Tel: (+46 8) 698 1000, Fax: (+46 8) 20 29 25, E-mail: natur@environ.se, WWW site: <http://www.environ.se/www-eng/enghome.htm>

The SNV supports research programmes in many areas of risk assessment, particularly human health (risks from air pollution) and ecology/ecotoxicology (transgenic organisms and persistent organic pollutants) as part of its commitment to research on thirteen priority areas designated as threats to the environment and the goal of sustainable development. The SNV produces many reports available to the public and an Annual report and the twice yearly magazine - enviro.

Norwegian Pollution Control Authority (SFT)

Box 8100 Dep, N-0032 Oslo, Strømsveien 96, Norway

Tel: (+47) 22 57 34 00, Fax: (+47) 22 67 67 06, WWW site: <http://www.sft.no/eindex.html>

The SFT has several departments responsible for carrying out work relating to risk assessment on new and existing substances, offshore activities, and GMOs. The departments most concerned with such activities are the Department of Industry and the Department of Chemicals and Hazardous Wastes.

Oesterreichische Akademie der Wissenschaften - Forschungsstelle fuer Technikbewertung (Austrian Academy of Sciences - Technology Assessment Institute)

Postgasse 7, A-1010 Wien, Austria

Tel: (+43 1) 51581 582

Research Institute of Toxicology

University of Utrecht, Research Institute of Toxicology, Utrecht, The Netherlands

Tel: (+31 30) 2535400, Fax: (+31 30) 2535077, E-mail: r.kroes@ritox.ruu.nl,

WWW site: <http://www.ruu.nl/Onderzoek/lopend/Field-C.html#C.05>

Research is carried out mainly in the field of toxicology on the toxic mode of action of industrial chemicals and natural toxins, their fate in the environment and their impact on human and ecosystem health. Collaborative research with TNO and RIVM is also carried out under the banner of the Utrecht Toxicology Centre addressing hazard identification, exposure assessment, risk characterisation and risk management of chemical exposure.

<p>Risoe National Laboratory, Denmark Frederiksborgvej 399, PO Box 49, DK-4000 Roskilde, Denmark Tel: (+45) 46 77 46 77, Fax: (+45) 42 36 06 09, E-mail: risoe@risoe.dk, WWW site: http://www.risoe.dk/</p> <p>Risoe Laboratory is a research and consultancy organisation for industry and public authorities. Programme areas include Industrial Safety - Integrated Environmental and Risk Management; Environmental Aspects of Agricultural Production - biotechnology and isotope research at the Risoe Environmental Risk Assessment Facility - the research aims to reduce environmental impact from agriculture by lowering the demand for pesticides and fertilisers. Produces publications and reports.</p>
<p>RIVM - National Institute of Public Health and the Environment Postbox 1, NL-3720 BA Bilthoven, The Netherlands Tel: (+31 30) 274 9111, Fax: (+31 30) 274 2971, WWW site: http://deimos.rivm.nl/</p> <p>RIVM is an organisation funded by government and commercial sources and is divided into seven Divisions. Division VI is devoted to Substances and Risks and includes laboratories such as the Toxicology Advisory Centre, Laboratory of Ecotoxicology, Laboratory of Carcinogenesis and Mutagenesis and the Laboratory of Radiation Research. The Division's expertise includes research and consultancy (primarily for the government and international organisations) on the effects and risks of exposure of humans and ecosystems to substances of anthropogenic origin, natural or combinations of these. Work includes hazard and risk assessment of chemicals. Reports are produced for clients and also for the public. Also RIVM Reports - a quarterly bulletin; an annual review of available reports and an Annual Scientific Report.</p>
<p>Sateilyturvakeskus (STUK) Finnish Centre for Radiation and Nuclear Safety PO Box 268, SF-00101 Helsinki, Finland Tel: (+358 1) 708 21, Fax: (+358 1) 708 2210</p> <p>Regulatory body for nuclear power, plant safety and other uses of radiation.</p>
<p>SEI (Service de l'Environnement Industriel) 20, avenue de Segur - 75302, Paris, 07 SP, France</p> <p>SEI is a department in the Direction de la Prevention des Pollutions et des Risques, its work covers the risks from the petro-chemical industry, biotechnology, and the agriculture and food industry. It works in close co-operation with INERIS.</p>
<p>Sociedad Española de Protección Radiológica (SEPR) Spanish Society for Radiological Protection Avenida Complutense 22, E-28040 Madrid, Spain Tel: (+34 1) 244 1200</p> <p>Scientific and organisational problems in the field of protection against ionising and non-ionising radiation.</p>
<p>Swedish National Chemicals Inspectorate P.O Box 1384, s-171 27 Solna, Sweden Tel: +46 8 730 57 00, Fax: +46 8 735 76 98</p>
<p>TNO Institute for Environmental Sciences, Energy Research and Process Innovation, Division of Environmental Quality and Safety Laan van Westenenk 501, PO Box 342, 7300 AH Apeldoorn, The Netherlands Tel: (+31) 55 549 3591, Fax: (+31) 55 549 3252, E-mail: mkv.secretariaat@mep.tno.nl, WWW site: http://www.tno.nl/home/index.html</p> <p>The TNO Institute of Environmental Sciences, Energy Research and Process Innovation is an expert centre and contract research institute for industry and government agencies. The Environmental Quality and Safety Division provides expertise in the analysis and evaluation of the behaviour and fate of pollutants, resulting from industrial processes and the use of products as well as their effects on the environment and industrial and ecological risks activities. Research areas include: industrial safety studies - quantitative risk analysis; development of methods and models for environmental risk analysis; risk analysis and assessment of ecological effects of chemicals in the aquatic environment.</p>
<p>UK Health and Safety Executive Baynards House, 1 Chepstow House, Westbourne Grove, London W2 4TF, UK Tel: (+44 171) 243 6000, WWW site: http://www.open.gov.uk/hse/hsehome.htm</p> <p>Although expertise is mainly in the area of occupational health and safety in the UK it does extend to public safety from hazardous installations and activities. Publications - guidelines and advice/information.</p>

UK Institute of Terrestrial Ecology

Monks Wood, Abbots Ripton, Huntingdon, Cambs. PE17 2LS, UK
 Tel: (+44 1487) 773381, Fax: (+44 1487) 773467, E-mail: M.Roberts@ite.ac.uk, WWW site: <http://www.nmw.ac.uk:80/ite/>

The ITE Research Station at Monks Wood is one of six stations at the ITE. Research is currently being carried out in the areas of hazard and risk assessment for chemicals and ecotoxicology in the terrestrial and aquatic compartments. The institute is part government/part privately funded through commercial contracts. Publications include reports on a wide range of subject matter and annual reports. Extensive information on the ITE can be found on its web site.

UK National Centre for Environmental Toxicology

WRC, Henley Road, Medmenham, Marlow, Bucks. SL7 2HD, UK
 Tel: (+44 1491) 571 531, Fax: (+44 1491) 579 094, E-mail: cet@wrcplc.co.uk

Information is available on the effects resulting from chemical contaminants in water including: toxicity to humans and livestock; ecotoxicity (environmental effect/PNECs); environmental fate and behaviour (PECs). Information is provided to clients paying an annual fee.

US Environmental Protection Agency Centre for Exposure Assessment Modelling and the National Exposure Research Laboratory - Ecosystems Research Division

960 College Station Road, Athens, Georgia, USA
 Tel: (+1 706) 355 8400, Fax: (+1 706) 355 8302, E-mail: ceam@epamail.epa.gov,
 WWW site: ftp://ftp.epa.gov/epa_ream/wwwhtml/address.htm

"To support environmental risk-based decisions, CEAM provides proven predictive exposure assessment techniques for aquatic, terrestrial, and multimedia pathways for organic chemicals and metals. A wide range of analysis techniques is provided, ranging from simple desk-top techniques suitable for screening analysis, to sophisticated, state-of-the-art continuous simulation models." The NERL "provides scientific understanding, information and assessment tools to reduce and quantify the uncertainty in the Agency's exposure and risk assessments for all environmental stressors. Stressors include chemicals, biologicals, radiation, and changes in climate, land and water use. It provides research information on stressor sources; pollutant transport, transformations and exposure; and source-to-receptor predictive exposure models applicable to the appropriate temporal scales and to site, watershed/regional and global scales. It also provides risk managers with receptor and stressor analyses, and evaluations of alternative mitigation, management or restoration strategies from an exposure perspective."

VITO (Vlaamse Instelling voor Technologisch Onderzoek) Flemish Institute for Technological Research

Boeretang 200, B-2400 Mol, Belgium
 Tel: (+32 14) 33 55 11, Fax: (+32 14) 33 55 99, WWW site: <http://www.vito.be>

VITO is the largest multi-discipline research centre in the Flanders region of Belgium. Both commercial and government/public work is carried out. Under the environment programme, current research projects include effect assessment (ecotoxicological test systems and long and short-term toxic effects of pollutants). More information is available on the web page.

Category 4 – Government departments and agencies

Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit
Postfach 120629, 53048 Bonn, Germany
Tel: (+49 228) 3050, Fax: (+49 228) 305 3225, WWW site: <http://www.bmu.de/>

Bundesministerium für Umwelt (Federal Ministry of Environment) - Austria
Stubenbastei 5, A-1010 Wien, Austria
Tel: (+43 1) 515 220, WWW site: <http://www.bmu.gv.at/>

Centro de Investigaciones Energéticas Tecnológicas y Medioambientales (CIEMAT) - Spain
Tel: (+34 1) 3466000/3466001/346 6002, Fax: (+34 1) 346 6005, WWW site: <http://www.ciemat.es/>

Direcção Geral do Ambiente (Department in the Portuguese Ministry of the Environment)
Fax: (+351 1) 347 2036, WWW site: <http://www.dga.min-amb.pt/dga/>

Ente per le Nuove tecnologie, l'Energia e l'Ambiente (ENEA)
(National Agency for New Technology, Energy and the Environment)
via Della Serratella in la Terano, 3300184 Rome, Italy
Tel: (+39 6) 702 9230, Fax: (+39 6) 7725 7012, WWW site: <http://www.enea.it/>

Finnish Environment Institute
PO Box 140, FIN-00251 Helsinki, Finland
Tel: (+358 9) 403 000, Fax: (+358 9) 4030 0190, WWW site: <http://www.vyh.fi/fei/fei.html>

Finnish Ministry of the Environment
Tel: (+358 9) 19911, Fax: (+358 9) 19919545, WWW site: <http://www.vyh.fi/ym/ym.html>

Institute Francais de l'Environnement
61 Boulevard Alexandre Martin, F-45058 Orleans cedex 1, France
Tel: (+33) 38 79 78 78, Fax: (+33) 38 79 78 70

Instituto de Promoção Ambiental (IPAMB) - (Department in the Portuguese Ministry of the Environment)
Fax: (+351 1) 347 2036, WWW site: <http://www.ipamb.pt/>

Miljøstyrelsen - Danish Environmental Protection Agency
Strandgade 29, 1401 Copenhagen K, Denmark
Tel: (+45) 32 66 01 00, Fax: (+45) 32 66 04 79, WWW site: <http://www.mst.dk/depa/index.htm>

Miljödepartementet (M) (Ministry of Environment), Sweden
Tel: (+46 8) 405 1000, Fax: (+46 8) 241 629, WWW site: http://www.sb.gov.se/info_rosenbad/departement/miljo/miljo.html

Miljøverndepartementet (Royal Ministry of Environment), Norway
Myntgata 2, Postboks 8013 Dep, 0030 Oslo, Norway
Tel: (+47) 22 24 90 90, Fax: (+47) 22 24 95 62, WWW site: <http://odin.dep.no/md/>

Ministere de l'Environnement (French Ministry of the Environment)
20 Avenue de Segur, 75007 Paris, France
Tel: (+33 1) 42 19 20 21, Fax: (+33 1) 42 19 17 72, WWW site: <http://www.environnement.gouv.fr/sommaire.htm>

Ministerie van Volkshuisvesting, Ruimtelijke Ordening en Milieubeheer (VROM)
(Ministry of Housing, Spatial Planning and the Environment)
PO Box 20951, 2500 The Hague, Netherlands
Tel: (+31 70) 339 3939, WWW site: <http://www.minvrom.nl/>

Ministry of Environment and Energy, Denmark
Højbro Plads 4, 1200 Copenhagen K, Denmark
Tel: (+45) 33 92 76 00, Fax: (+45) 33 32 22 27, E-mail: mem@mem.dk, WWW site: <http://www.mem.dk/ukindex.htm>

Naturvårdsverket (Environmental Protection Agency) - Sweden

S-10648 Stockholm, Sweden

Tel: (+46 8) 698 1000, Fax: (+46 8) 20 29 25, E-mail: natur@environ.se, WWW site: <http://www.environ.se/www-eng/enghome.htm>

UK Department of the Environment

2 Marsham Street, London SW1P 2EB, UK

Tel: (+44 171) 276 4401, Fax: (+44 171) 276 5662, WWW site: <http://www.open.gov.uk/doe/doehome.htm>

UK Environment Agency - Head Office

Rivers House, Waterside Drive, Aztec West, Almondsbury, Bristol BS12 4UD, UK

Tel: (+44 1454) 624400, Fax: (+44 1454) 624409, WWW site: <http://www.environment-agency.gov.uk/>

Umweltbundesamt (Austrian Federal Environment Agency)

Spittelauer Lände 5, A-1090 Wien, Austria

Tel: (+43 1) 313 040, Fax: (+43 1) 31304 5400, WWW site: <http://www.ubavie.gv.at/>

Umweltbundesamt (German Environment Agency)

Postfach 33 00 22, 14191 Berlin, Germany

Tel: (+49 30) 89030, Fax: (+49 30) 8903 2285, WWW site: <http://www.wiwi.hu-berlin.de/uba/>