## INFORMATION SOURCES SECTION 6 - WORLD WIDE WEB SITES

This section provides a list of web sites with information relevant to risk assessment. Category 1 consists of details of the web sites of organisations such as those described in section 1. Category 2 consists of details of web sites providing information or of existing networks. Category 3 is a list of some interesting, more general environmental web sites.

| s is a very fast-moving area. Web sites and addresses are constantly s may have changed their address by the time of publication. | changing. | Some w |
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## Category 1 – Organisations

| Name of site/organisation:<br>Web address:<br>Information: | Advisory Committee on Releases to the Environment (ACRE) http://www.shef.ac.uk/~doe/ Newsletters of ACRE and ACGM (Advisory Committee on Genetic Modification) - comprehensive information on the two departments and links to other biotechnology sites.   |
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| Name of site/organisation:<br>Web address:<br>Information: | American Institute of Chemical Engineers http://www.che.ufl.edu/aiche/ Provides comprehensive information about the institute such as its mission and objectives, contacts, programmes and activities and publications.   |
| Name of site/organisation:<br>Web address:<br>Information: | Carcinogenicity Potency Database Project http://potency.berkeley.edu/cpdb.html Provides information on the project and access to the database on carcinogenicity of substances.   |
| Name of site/organisation:<br>Web address:<br>Information: | Danish National Environment Research Institute<br>http://www.tsk.dk/dgrl/1996/dmu.html<br>Provides information on the research activities and projects of the Institute   |
| Name of site/organisation:<br>Web address:<br>Information: | Environmental Hazard Assessment Program, Medical University of South Carolina<br>http://www.ehap.musc.edu/ehapmain.html<br>Provides information on the University's program to address risk communication, risk assessment and risk<br>management in the field of human health protection. Provides a bridge to other useful links. |
| Name of site/organisation:<br>Web address:<br>Information: | European Chemical Bureau (JRC) http://www.ei.jrc.it/ecb/ Provides information on the facilities and activities of the Bureau, including the work on classification and labelling, the IUCLID, New Chemicals and EINECS databases, HEDSET, and a list of selected references.  |
| Name of site/organisation:<br>Web address:<br>Information: | European Federation Biotechnology Working Party - Safety in Biotechnology<br>http://www.boku.ac.at/iam/efb/efb_wp.htm The site provides information on the working party, members, philosophy and activities of the<br>organisation, a list of publications and links to other biosafety sites.                                     |
| Name of site/organisation:<br>Web address:<br>Information: | Fraunhofer Gesellschaft http://www.fhg.de/german/index.html Provides information on the activities of the various research institutes such as the Fraunhofer-Institut für Umweltchemie und Ökotoxikologie (IUCT), lists of contacts, publications, press releases and a search facility for the site.                               |
| Name of site/organisation:<br>Web address:<br>Information: | GREENPEACE International http://www.greenpeace.org/ Site of GREENPEACE international provides information on all their activities. Search on risk assessment produces many interesting documents demonstrating the views of GREENPEACE in public risk issues.   |
| Name of site/organisation:<br>Web address:<br>Information: | Institute of Food Science and Technology http://www.easynet.co.uk/ifst/ Provides detailed information on food science and technology and the work of the institute and discussion of current "hot topics" such as BSE.  |
| Name of site/organisation:<br>Web address:<br>Information: | Institution of Chemical Engineers<br>http://icheme.chemeng.ed.ac.uk/<br>Provides general information about the Institution, the list of publications is particularly useful.  |
| Name of site/organisation:<br>Web address:<br>Information: | International Agency for Research on Cancer (IARC) (WHO) http://www.iarc.fr/ Information on the organisation, research programmes, press releases and lists of publications in including the monograph evaluations.   |

| Name of site/organisation:<br>Web address:<br>Information: | International Agency for Research on Cancer and National Toxicology Programme Carcinogen List http://www.ozemail.com.au/-paulr/cancer.html  This list includes three categories of substances and processes regarded as carcinogenic, primarily by the International Agency for Research on Cancer of the World Health Organisation (IARC) and, to a lesser extent, the US Government's Annual Report on Carcinogens from the National Toxicology Program (NTP).  |
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| Name of site/organisation:<br>Web address:<br>Information: | International Programme on Chemical Safety http://www.who.ch/programmes/WH0Programmes.html Home page of IPCS - provides information on organisational structure, programmes and activities, publications and services. Includes gopher access to some Environmental Health Criteria documents.  |
| Name of site/organisation:<br>Web address:<br>Information: | International Society for Exposure Analysis http://www.isea.rutgers.edu/isea/isea.html Provides information on the Society - membership, journals, newsletters and conferences.   |
| Name of site/organisation:<br>Web address:<br>Information: | Joint Research Centre for the European Commission - Environment Institute http://www.ei.jrc.it/#El Provides information on all the activities of the Institute, including links to the ECB page, and the Annual Report, Databases and Newsletters.  |
| Name of site/organisation:<br>Web address:<br>Information: | Lawrence Berkeley National Laboratory - Risk Related Research http://www.lbl.gov/LBL-Programs/Risk-Research.html Provides information on the research activities of the laboratory in the field of risk. LBNL "conducts research to improve the scientific basis of risk assessment. Research is focused in several major areas to support these overall goals: Characterisation of exposures of human populations to environmental pollutants and radiation; Development of the technical basis for setting priorities for research and regulations by ranking possible hazards for occupational, residential, and other settings; Mechanisms of biological damage at the cellular, molecular, organ and whole organism level, including development and validation of biomarkers; Effects of environmental pollution on ecosystems and ecosystem restoration. |
| Name of site/organisation:<br>Web address:<br>Information: | National Food Agency of Denmark http://www.fsk.dk/dgri/1996/lst.html Provides information on the work of the Agency - goals, objectives, responsibilities, etc.   |
| Name of site/organisation:<br>Web address:<br>Information: | Oak Ridge National Laboratory, Environmental Sciences Division, Ecological Risk Analysis Tools and Applications Programme http://www.hsrd.ornl.gov/ecorisk/ecorisk.html Contains information on the work of the programme including a down-loadable database and reports on chemical data that can be used to conduct ecological screening and baseline risk assessments at hazardous waste sites. The site intends to provide access to guidance documents for evaluating ecological risk assessment data, as well as complete text copies of ecological risk assessment reports for specific DOE sites in the U.S. Links to other sites.  |
| Name of site/organisation:<br>Web address:<br>Information: | OECD Biotrack Online http://www.oecd.org/ehs/service.htm The programme aims to produce documents for use by national authorities for the regulatory assessment of genetically modified products intended for release to the environment. This web page describes the projects and the expert group, lists publications, provides information on regulatory activities in member countries and provides excellent links to other sites.  |
| Name of site/organiation:<br>Web address:<br>Information:  | OECD Chemicals Programme http://www.oecd.org/ehs/chem2.htm Provides information on the Chemicals Programme - projects, publications, activities, links to other sources of information.   |
| Name of site/organisation:<br>Web address:<br>Information: | Risk Assessment and Policy Association http://www.fplc.edu/tfield/rapa.htm Provides information on the Association, its goals and objectives, publications, conferences and membership.   |

| Name of site/organisation:<br>Web address:<br>Information: | RIVM - Ministry of Housing, Spatial Planning and Environment<br>http://deimos.rivm.nl/<br>Provides limited information on RIVM and publications as the site is still being developed.  |
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| Name of site/organisation:<br>Web address:<br>Information: | SETAC http://www.setac.org/ Provides information on SETAC activities, meetings, publications, history, and details of Advisory Groups and projects.  |
| Name of site/organisation:<br>Web address:<br>Information: | The Centre for Environmental Risk Reduction and Pollution Prevention - University of California, Los Angeles  http://cct.seas.ucla.edu/cct.cerrpp.html#Overview  Provides information on the activities of the work program including research into risk reduction  strategies, exposure assessment and risk assessment.   |
| Name of site/organisation:<br>Web address:<br>Information: | The National Institute of Environmental Health Sciences http://www.niehs.nih.gov/Home.html Provides detailed information on the organisation including research programmes, the National Toxicology Programme, Environmental Health Perspectives Journal and library resources.  |
| Name of site/organisation:<br>Web address:<br>Information: | The Royal Society of Chemistry http://www.worldserver.pipex.com/rsc/ Provides excellent information on the Society, including contacts, activities, products (CD-ROMs, publications), information and library services and links to other sites.   |
| Name of site/organisation:<br>Web address:<br>Information: | UNEP - Trade and Environment Monograph Series Science, Risk Analysis and Environmental Policy Decisions gopher://gopher.undp.org:70/11/ungophers/unep/publications/monographs/mon_05 Specific UNEP site - full text version of monograph - Science - Risk Analysis and Environmental Policy Decisions. Interesting comments on environmental risk assessment.  |
| Name of site/organisation:<br>Web address:<br>Information: | UNEP Homepage http://www.unep.ch/ Information on UNEP - conventions, programmes documents. Search facility - good results with "risk assessment". Key links - IRPTC and Trade and the Environment.   |
| Name of site/organisation:<br>Web address:<br>Information: | United Nations Industrial Development Organisation - Biosafety Information Network and Advisory Service http://www.binas.unido.org/binas/ The objective of BINAS is to monitor global developments in regulatory issues in biotechnology. The site provides information on regulatory developments, BINAS projects, publications and conferences and a list of experts in the biotechnology field who may be able to assist in the safety assessments of GMOs.   |
| Name of site/organisation:<br>Web address:<br>Information: | US Environmental Protection Agency http://www.epa.gov/ Provides full details about the various departments working within the EPA, their work and the projects carried out. Information is provided on programmes, initiatives, news, publications, library resources, data systems and software. Of particular relevance to risk assessment is the work of the Centre for Exposure Assessment Modelling: ftp://ftp.epa.gov/epa_ceam//www.html/ceamhome.htm which has details of projects, software, etc. and the National Exposure Research Laboratory: http://www.epa.gov/AthensR/ |
| Name of site/organisation:<br>Web address:<br>Information: | WHO Division of Food and Nutrition - Food Safety Unit<br>http://www.who.ch/programmes/WHOProgrammes.html<br>Provides information on the public health issue of food safety, guidance on the safe preparation of food,<br>information on the activities of the unit, a comprehensive list of publications available and links to other<br>food safety sites.  |
| Name of site/organisation:<br>Web address:<br>Information: | World Health Organization http://www.who.ch Provides full details of all the WHO programmes, including IPCS, Food and Nutrition (Codex Alimentarius, etc.), offices, publications, library, etc.   |

## Category 2 - Information/networks

| Name of site/organisation:<br>Web address:<br>Information: | Belgian Biosafety Server, Institute of Hygiene and Epidemiology, Brussels, Belgium http://biosafety.ihe.be/ Provides a wide range of information on activities in the field of biotechnology, including risk assessment, both on a national and international level. Lists publications, experts, legislation and institutions.  |
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| Name of site/organisation:<br>Web address:<br>Information: | Bioline Publications http://www.bdt.org.br/bioline/ Bioline Publications is an electronic publishing service, providing journals, reports, books, technical documents, conference proceedings and newsletters in many fields including; biotechnology, toxicology and environmental sciences.  |
| Name of site/organisation:<br>Web address:<br>Information: | Cancer Related Links (Ron Marriage, Madison, Indiana) http://www.seidata.com/-marriage/rcancer.html Vast amounts of information and links to government servers, institutes, educational establishments all cancer related.  |
| Name of site/organisation:<br>Web address:<br>Information: | CEC COM (95) 624 Progress Report on Implementation of the Fifth Environmental Action Programme (especially chapter 3) http://europa.eu.int/en/comm/dg11/env-act5/prog-rep.html Provides information on the work of the European Commission in regard to industrial risks (chemicals and biotechnology) and nuclear safety and radiation protection in response to the requirements of Agenda 21. |
| Name of site/organisation:<br>Web address:<br>Information: | CORDIS - EC R&D Information Service http://www2.cordis.lu/cordis/home.html Provides information on EU Research and Technological Development programmes and details of how to access the Cordis database of research projects - on-line or CD-ROM.   |
| Name of site/organisation:<br>Web address:<br>Information: | DG XII Biotechnology Information<br>http://www.cec.lu/en/comm/dg12/biot1.html<br>Provides information on the work of DG XII in the field of biotechnology - programmes/activities,<br>publications, courses, networks.   |
| Name of site/organisation:<br>Web address:<br>Information: | DTi Bioguide - Department of the Environment http://dtiinfo1.dti.gov.uk/bioguide/doe.html Provides information on the responsibilities of the DoE in the UK regarding the release and marketing of GMOs (risk assessments). Legislation, advice, research, contacts, publications.   |
| Name of site/organisation:<br>Web address:<br>Information: | EcoNet's Toxics, Hazards & Wastes Resources http://www.econet.apc.org/toxic/ Provides a lot of information in the toxicology field by way of links to other sites, including information sources on databases, MSDS, and organisations involved in work on toxic hazards, etc.   |
| Name of site/organisation:<br>Web address:<br>Information: | Envirolink<br>http://www.envirolink.org/<br>Search for risk assessment produces interesting results -Rachel's Hazardous Waste News and<br>Environment and Health weekly. Predominantly American.   |
| Name of site/organisation:<br>Web address:<br>Information: | Environmental Chemicals Data and Information Network<br>Internet:http://ulisse.ei.jrc.il/Ecdin/Ecdin.html<br>Searchable chemicals database.  |
| Name of site/organisation:<br>Web address:<br>Information: | European Union and the New Biotechnology: Managing Environmental Risks http://biosafety.ihe.be/GB/AbouEur2.html Describes in detail the European Union policy and procedures on the safety assessment of GMOs for contained use and intentional release into the environment with specific reference to the two relevant Directives on GMOs.   |

| Name of site/organisation:<br>Web address:<br>Information: | EXtension TOXicology NeTwork<br>http://ace.ace.orst.edu/info/extoxnet/ghindex.html   |
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| intermation:   | Provides toxicological information via searchable datasets including Pesticide Information Profiles, Toxicological Information Briefs, Fact sheets, resources, news, newsletters.  |
| Name of site/organisation:<br>Web address:<br>Information: | Friends of the Earth UK Chemical Release Inventory<br>http://www.foe.co.uk/cri/<br>Database of chemical releases for major industrial sites in England and Wales.  |
| Name of site/organisation:<br>Web address:<br>Information: | Global Information Network on Chemicals - Homepage http://www.nihs.go.jp/GINC/ From this homepage you can explore large amounts of useful information sources provided by both international organisations and national institutions collaborating for safe control of chemicals.  |
| Name of site/organisation:<br>Web address:<br>Information: | Hazardous Chemicals Database<br>http://odin.chemistry.uakron.edu/erd/<br>Hazardous chemical database.  |
| Name of site/organisation:<br>Web address:<br>Information: | HazDat Database - ATSDR http://atsdr1.atsdr.cdc.gov:8080/hazdat.html#A3.1 Searchable database for information on superfund sites in the U.S and toxicological information on several hundred substances.   |
| Name of site/organisation:<br>Web address:<br>Information: | Medweb http://www.gen.emory.edu/medweb/medweb.toxicology.html This site provides access to a vast amount of information on human health related subjects such as toxicology, radiation, biotechnology. Provides comprehensive listings of web sites and links.   |
| Name of site/organisation:<br>Web address:<br>Information: | Reporting on Risk - A Journalist's Handbook on Environmental Risk Assessment http://www.facsnet.org/report_tools/guides_primers/risk/main.html Comprehensive breakdown of the risk assessment process from the US angle. Describes the steps in risk assessment and discusses the roles of risk management and risk communication.   |
| Name of site/organisation:<br>Web address:<br>Information: | RiskWorld http://www.riskworld.com/ An international World Wide Web publication providing news and information on the identification, critical analysis, and management of risks. The topics covered include risks to human health and the natural environment, as well as economic, financial, social, and political risks. This is a really interesting site containing a vast amount of information - links to professional organisations (companies, consultants, universities), lists of publications, new software, and much more. |
| Name of site/organisation:<br>Web address:<br>Information: | Toxicodynamic Health and Environmental Risk Assessment Programme of Pacific Northwest National Laboratory http://w3.pnl.gov:2080/health/molbio/thera.html#use Page describing the work and objectives of this research programme in the US.  |
| Name of site/organisation:<br>Web address:<br>Information: | UNEP Directory of Organisations and Institutes Active in Environmental Monitoring http://www.gsf.de/UNEP/contents.html Provides a directory of organisations and institutes involved in environmental monitoring and assessment throughout the world. Countries are listed A-Z.  |
| Name of site/organisation:<br>Web address:<br>Information: | UNEP International Register of Potentially Toxic Chemicals (IRPTC) http://www.unep.ch/irptc.html The site provides comprehensive information on the IRPTC; why it was formed, objectives, activities including details of the development of data profiles on chemical substances and the databank - how to access it, etc. and a list of publications.  |
| Name of site/organisation:<br>Web address:<br>nformation:  | University of Utah Material Safety and Data Sheets<br>gopher://gopher.chem.utah.edu:70/11/MSDS<br>A-Z list of data sheets on substances.   |

Name of site/organisation:

US Agency for Toxic Substances and Disease Registry Science Corner

Web address:

Information:

DS Agency for Touc Substances and obsease registry science corner

http://atsdr1.atsdr.cdc.gov:8080/cx.html

"ATSDR Science Corner" is an HTML (HyperText Markup Language) document (MENU) developed to search the Internet for information resources that are free, in the public domain, and relate to environmental health issues of concern toATSDR. The primary focus of "ATSDR Science Corner" is to find

environmental nearth issues of content to trade. The primary rocus of Aristria Science content is and share global information resources on the linkage between human exposure to hazardous chemicals and adverse human health effects. Lots of information including the Toxfags Database freely accessible on the internet providing information on the toxicity and human health effects of several chemicals in fact

sheet format and a section on risk assessment.

Name of site/organisation: Web address:

WWW Virtual Library - Biotechnology http://www.cato.com/interweb/cato/biotech/bio-info.html General/Information Sources on Biotechnology including other Biotechnology Directories.

Information:

Name of site/organisation: Web address:

WWW Virtual Library - Biotechnology http://www.cato.com/interweb/cato/biotech/bio-res.html

Information:

A list of biotechnology research institutes providing information on the web.

## Category 3 – General environmental links for information

| Name of site: | Amazing Environmental Organisation Web Directory |
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| Web address:  | http://www.webdirectory.com/                     |
| Name of site: | Best Environmental Directories                   |
| Web address:  | http://www.ulb.ac.be/ceese/cds.html              |
| Name of site: | EcoNet A-Z of Other Environmental web sites      |
| Web address:  | http://www.econet.apc.org/econet/en.other.html   |
| Name of site: | ENDS Links to Environmental Information          |
| Web address:  | http://www.ends.co.uk/ae.html                    |
| Name of site: | Environmental Industry Web Site                  |
| Web address:  | http://www.enviroindustry.com/index.html         |
| Name of site: | Environmental Professionals Guide to the Net     |
| Web address:  | http://www.geopac.com/                           |
| Name of site: | Environmental Sites on the Internet              |
| Web address:  | http://www.lib.kth.se/~lg/envsite.htm            |
| Name of site: | World Resource Foundation: Red Hot Green Links   |
| Web address:  | http://www.wrfound.org.uk/wrflinks.html#top      |
| Name of site: | WWW Virtual Library: Environment                 |
| Web address:  | http://ecosys.drdr.virginia.edu/Envirlists.html  |