



The widest possible access to information on environmentally sound technologies is essential if the global community is to meet current environmental challenges.

Appendix: Sources of information

This appendix is an extract from the publication, *UNEP Survey of Information Systems Related to Environmentally Sound Technologies*, copyright 1997 by the United Nations Environment Programme.

This list of information systems and institutions does not imply an endorsement on the part of UNEP.

Note: Institutional changes are frequent and it is possible that some of the contact details may be out of date.

ACPD

Name: Australian Cleaner Production Database

Address: Tourism House, 40 Blackhall Street, Barton A.C.T. 2600, Australia
Tel: +61-6-274-1472
Fax: +61-6-274-1921
E-mail: woods@mgdestmx01.erin.gov.au
Internet address:
<http://kaos.erin.gov.au/net/ncpd.html>

Technologies covered: Cleaner production process.

Information contained: Cleaner production, new cleaner production processes. Australian and international case studies, bibliographies, contacts, cost equations, and other pertinent information.

AIT

Name: Asian Institute of Technology

Address: Centre for Library and Information Resources, G.P.O. Box 2754, Bangkok, Thailand
Tel: +66-2-524-5853
Fax: +66-2-516-2126
E-mail: stueart@rccsun.ait.ac.th
Internet address:
<http://www.ait.ac.th/AIT/research.html>

Description: Operates the Environmental Systems Information Centre Network (ENSICNET), the Energy Technology Programme (ETP) and the Regional Energy Resources Information Centre (RERIC). Collects and repackages information in a wide range of environment, energy and technology fields for dissemination to users worldwide.

ANNETTE

Name: Asian Network on Technology for the Environment Database

Address: 3 Science Park Drive, #04-08, PSB Annex, Singapore 118223, Singapore
Tel: +65-777-2685
Fax: +65-773-2800
E-mail: riet@pacific.net.sg

Information contained: Environmental pollution control, manufacturing and recycling technologies. Environmental technology products and services, business types, model application, and product specifications.

APCTT

Name: Asian and Pacific Centre for Technology Transfer

Address: Technology Bhawan, Off New Mehrauli Road, P.O. Box 4575, New Delhi 110 016, India
Tel: +91-11-6856276
Fax: +91-11-6856274
E-mail: apctt@simetd.ernet.in

Description: Established in 1977, APCTT operates as a UN regional centre under the aegis of the Economic and Social Commission for Asia and the Pacific (ESCAP). The objectives of the centre are to assist the members of ESCAP through strengthening their capabilities to develop, transfer, adapt and apply environmentally sound technologies, and to identify and promote the transfer of technologies relevant to the region.

APCTT data bank

Name: APCTT data bank on ESTs available for transfer

Address: P.O. Box 4575, New Delhi 110 016, India
Tel: +91-11-6856276
Fax: +91-11-6856274
E-mail: apctt@simetd.ernet.in

Technologies covered: Cleaner production (all sectors).

Information contained: Cleaner production and pollution control for various industry sectors including agriculture, chemicals, construction, transport, electronics, information, energy, food, instrumentation, industrial logistics and services, machinery, materials, coatings, medical technology, metals, plastics and rubber, paper, wood and textiles. Technology offers, technology requests, consultants and institutions.

AQUALINE

Name: AQUALINE

Address: Frankland Road, Blagrove, Swindon SN5 8YF, UK
Tel: +44-1793-511711
Fax: +44-1793-511712
Internet address: <http://www.wrcplc.co.uk/>

Technologies covered: Water.

Information contained: Water resources and supplies, water quality, monitoring and analysis of water and wastes.

AQUASCI

Name: Aquatic Sciences and Fisheries Abstracts

Address: 7200 Wisconsin Ave., Bethesda, Maryland 20814, USA
Tel: +1-301-961-6751
Fax: +1-301-961-6720
Internet address: <http://www.csa.com/>

Technologies covered: Water, air.

Information contained: Marine and freshwater environments.

ARCT

Name: African Regional Centre for Technology

Address: B.P. 2435, Immeuble Fahd Ben Abdel Aziz, Avenue Djily Mbaye, Dakar, Senegal
Tel: +221-23-77-12
Fax: +221-23-77-13
E-mail: arct@endadakgn.apc.org

Description: ARCT is an intergovernmental organization set up by the Heads of African Governments in 1977. Established under the auspices of the Organization of African Unity and the United Nations Economic Commission for Africa, the centre presently has 31 member states. The centre's objectives are to promote regional technology transfer capacity and utilization by diffusing the results of research and development in member states in the fields of post-harvest technologies, renewable energy conversion systems and capital goods as well as information technologies. The centre is currently operating a technology management information and communication network called ARCTIS-NET which was established to support the development of technology and its application in Africa.

AREC

Name: Appropriate Renewable Energy Centre

Address: Ministry of Energy, Mines and Water Resources, Planning and Programming Division, P.O. Box 5285, Asmara, Eritrea
Tel: +291-1-127944
Fax: +291-1-127652

Description: AREC was established to collect information on renewable energy technologies (both indigenous and external sources of technologies) including solar photovoltaic, solar thermal, wind power, hydro power, biogasification and geothermal.

ARET

Name: Appropriate Renewable Energy Technologies

Address: Ministry of Energy, Mines and Water Resources, Planning and Programming Division, P.O. Box 5285, Asmara, Eritrea
Tel: +291-1-127944
Fax: +291-1-127652

Technologies covered: Cleaner production, energy, water, land and agriculture, solid waste, hazardous waste, global environment, building and engineering.

Information contained: Renewable energy technologies (both indigenous and external sources of technologies). Solar photovoltaic, solar thermal, wind power, hydro power, biogasification, geothermal, improved traditional cooking stoves, etc. Relevant materials sent by numerous consultants and suppliers of finished products and LEAP software for energy and environment.

ASSET

Name: Abstracts on Selected Solar Energy Technologies

Address: Darbari Seth Block, India Habitat Centre, Lodi Road, New Delhi 110003, India
Tel: +91-11-462-2246
Fax: +91-11-462-1770
E-mail: mailbox@teri.ernet.in

Technologies covered: Energy.

Information contained: Non-conventional energy technologies – solar, bioconversion, wind and energy storage.

ATTIC

Name: Alternative Treatment Technology Information Centre

Address: U.S. EPA (MS 106), 2890 Woodbridge Ave., Edison, New Jersey 08837-3679, USA
Tel: +1-908-321-6635/Hot Line: +1-703-908-2137
Fax: +1-908-321-6677
E-mail: Sullivan.Daniel@epamail.epa.gov
Internet address: <http://www.epa.gov/attic/>

Technologies covered: Hazardous waste.

Information contained: Pollution control and performance data for US alternative treatment technologies for hazardous waste.

CAEPI

Name: Chinese Association for Environmental Protection Industry

Address: 9 Sanlihe Road, Haidian, Beijing 100835, China
Tel: +86-10-839-39-30
Fax: +86-10-839-37-48

Description: CAEPI is in the process of developing the Chinese National Information System for Environmental Protection which includes general environmental protection technologies including pollution control, pollution prevention, energy conservation and environmental management.

CARIS

Name: Current Agricultural Research Information System

Address: GIL A-108, Viale delle Terme di Caracalla, Rome 00100, Italy
Tel: +39-6-522-54993
Fax: +39-6-522-54049
E-mail: joseph.judy@fao.org
Internet address: <http://www.fao.org/>

Information contained: Agriculture, animal production, aquaculture, fisheries, food, forestry and plant production.

CAT

Name: Centre for Alternative Technology

Address: Information Office, Machynlleth, Powys SY20 9A2, Wales, UK
Tel: +44-1654-702400
Fax: +44-1654-702782
E-mail: cat@gn.apc.org
Internet address: <http://www.foe.co.uk/CAT/>

Description: Established in 1975, CAT is a cooperative company involved in the promotion of ideas and information on technologies which support rather than damage the environment. CAT is involved with educational activities and residential courses, and runs a visitor centre. It also provides information/consultancy services and publishes on the subject of alternative technology. CAT publishes a database on suppliers, manufacturers relating to renewable energy, waste and biological buildings.

CCT

Name: Center for Clean Technology

Address: 7440 Boelter Hall, Los Angeles, California 90024-1600, USA
Tel: +1-310-206-3071
Fax: +1-310-206-3906
E-mail: cct@seas.ucla.edu
Internet address: <http://cct.seas.ucla.edu>

Description: CCT is based at the University of California, Los Angeles (UCLA). Founded in 1990, the centre employs a multi-disciplinary approach to solving environmental issues. The goal of the centre is to create a scientific, engineering and human resource base for the design of clean, economical and competitive technologies. The centre provides expertise in six areas: pollution prevention, combustion and air toxics, water and wastewater treatment, intermedia transport and chemicals in the environment, remediation and restoration, and environmental risk reduction.

CEABA

Name: Chemical Engineering and Biotechnology Abstracts

Address: Theodor-Heuss-Allee 25, D-60486 Frankfurt am Main, Frankfurt, Germany
Tel: +49-69-7564-349
Fax: +49-69-7564-201
E-mail: iud@dechema.de
Internet address: <http://www.dechema.de/>

Technologies covered: Water, air, solid waste management, hazardous waste management, energy, cleaner production, land and agriculture, construction, building and engineering, and global environment.

Information contained: Chemical engineering in biotechnology; manufacture of organic and inorganic materials; processing of waters, effluents, sewage and wastes of all sorts; recovery and processing of petroleum; energy and raw materials; equipment, machine and plant construction; safety and environmental protection.

CenCITT

Name: Center for Clean Industrial and Treatment Technologies

Address: Michigan Technological University, CenCITT, 1400 Townsend Drive, Houghton, Michigan 49931, USA
Tel: +1-906-487-3143
Fax: +1-906-487-3292
E-mail: ppradeck@mtu.edu
Internet address: <http://cpas.mtu.edu/cencitt>

Description: A research consortium dedicated to advancing the science, engineering and implementation of pollution prevention. It was established in 1992 with founding members: Michigan Technological University (administrative lead), the University of Wisconsin – Madison, and the University of Minnesota – Twin Cities. CenCITT's mission is to assist industry in pollution prevention by devising clean technologies and process design tools, and by pursuing promising leads in treatment, beneficiation, and re-use where prevention is not feasible. CenCITT's goal is to make it easier for industry to minimize waste generation and prevent pollution while preserving economic competitiveness in the global marketplace. CenCITT is currently developing a series of software tools for efficiently delivering design information on clean technologies and pollution prevention methodologies to conceptual process and product designers.

CERES-GKN

Name: CERES – Global Knowledge Network to Enable Environmentally Sound Product & Process Development

Address: Concurrent Engineering Research Center, P.O. Box 6506, West Virginia University, Morgantown, West Virginia 26506-6506, USA
Tel: +1-304-293-7226
Fax: +1-304-293-7541
E-mail: ceresgkn@cerc.wvu.edu
Internet address: http://www.cerc.wvu.edu/ceres/ceres_index.html

Description: A consortium of universities, research laboratories, private companies and governmental organizations is undertaking the creation of a network of global knowledge bases (to be known as CERES-GKN) to enable decision makers around the world to make environmentally sound, technologically feasible and economically justifiable choices during the development of products and processes. The consortium has formed a not-for-profit corporation, CERES-GKN, Inc., headquartered in the University of Rome at Torvergata and with regional offices in Japan and the United States. Consortium members are seeking cooperative relations with world bodies and national initiatives that support the use of information technology for such purposes.

CES

Name: Canadian Environmental Solutions

Address: Industry Canada, Environmental Affairs Branch, 235 Queen Street, Ottawa, Ontario K1A 0H5, Canada
Tel: +1-613-952-5437
Fax: +1-613-954-3430
E-mail: envinet@ic.gc.ca
Internet address: <http://info.ic.gc.ca/ic-data/>

Technologies covered: Energy, water, air, noise and vibration, land and agriculture, solid waste.

Information contained: Industry: air, water and energy. CES currently addresses industry sector problems related to water, air, soil, research and development, and energy. It contains 500 environmental problems, 1,000 solutions and their descriptions, along with 600 companies that can provide solutions.

CETC

Name: California Environmental Technology Center

Address: Scripps Institution of Oceanography, University of California, San Diego, 9500 Gilman Drive, 0241 La Jolla, San Diego 92093-0241, California, USA
Tel: +1-619-534-8400
Fax: +1-619-534-8270
E-mail: cetc@sio.ucsd.edu
Internet address: <http://sio.ucsd.edu/sp-progs/cetc/cetc.html>

Description: CETC was established by the California Environmental Protection Agency and the University of California, San Diego – Scripps Institution of Oceanography. It is essentially a virtual organization designed to act as a catalyst to facilitate the development of environmental technologies.

CISEPI

Name: China's Information System for Environmental Protection Industry (Engineering Industry)

Address: 2 Capital Gymnasium, Nanlu, Haidian, Beijing, PR China
Tel: +86-1-839-3892 or 834-0088
Fax: +86-1-839-3748 or 834-0825

Technologies covered: Cleaner production, energy, water.

Information contained: Industrial pollution control, cleaner production, environmental impact assessment, water recycling, energy conservation, environmental management. Information on companies which produce products and technologies for pollution control in the engineering industry, engineering projects design and construction. Each entry also contains cost and price information.

CJC

Name: Clean Japan Centre

Address: 3-6-2 Toranomon, Minato-ku, Tokyo 105, Japan
Tel: +81-3-3432-6301
Fax: +81-3-3432-6319

Description: The Clean Japan Centre was established in 1975 with support from the Ministry of International Trade and Industry and the private sector. Since its establishment, CJC has sought to promote waste management and recycling. CJC has also undertaken work on the development of recycling technology systems.

CLU-IN

Name: Clean-Up Information Bulletin Board System

Address: 401 M Street, SW (5102G), Washington, District of Columbia 20460, USA
Tel: +1-703-603-9902
Fax: +1-703-603-9135
E-mail: turner.gary@epamail.epa.gov
Internet address: <http://clu-in.com>

Technologies covered: Land and agriculture, hazardous waste, water pollution control.

Information contained: Innovative treatment technologies. Full-text reports on site clean-ups with emphasis on innovative treatment technologies.

CNISEP

Name: China's National Information System for Environmental Protection

Address: 9 Sanlihe Road, Haidian, Beijing 100835, PR China
Tel: +86-10-6839-3892
Fax: +86-10-6839-3748

Technologies covered: Cleaner production, energy, water, air, land and agriculture.

Information contained: Environmental protection technologies including pollution control, pollution prevention, energy conservation and environmental management.

CPAS

Name: Clean Process Advisory System

Address: Michigan Technological University, Center for Clean Industrial and Treatment Technologies (CenCITT), 1400 Townsend Drive, Houghton, Michigan 49931, USA
Tel: +1-906-487-3551/3143
Fax: +1-906-487-3292
E-mail: dlstoh@mtu.edu
Internet address: <http://cpas.mtu.edu>

Technologies covered: Cleaner production, water, land and agriculture, solid waste, building and engineering.

Information contained: Pollution prevention, waste minimization, cleaner production, environmentally friendly construction technologies and land remediation. Pollution prevention process and product design system incorporating design information with clean process and product technology tools.

CREST

Name: Center for Renewable Energy and Sustainable Technology

Address: SEREF, 777 N. Capitol Street, N.E., Suite 805, Washington, District of Columbia 20002, USA
Tel: +1-202-289-5370
Fax: +1-202-289-5354
E-mail: info@crest.org
Internet address: <http://solstice.crest.org/>

Description: CREST, a project of the non-profit Solar Energy Research and Education Foundation (SEREF), is dedicated to the promotion of renewable energy, energy efficiency, the environment and sustainable development. One of CREST's primary functions is to explore and demonstrate the use of advanced information and communication technologies in this field. CREST is the operator of Solstice, an online information service available via the Internet for energy professionals, policy makers and anyone interested in expanding their knowledge about renewable energy, energy management and sustainable technology.

CTCCIS

Name: Control Technology Center Clearinghouse Information System

Address: MD-13 Research Triangle Park, North Carolina 27711, USA
Tel: +1-919-541-0800
Fax: +1-919-541-0072
E-mail: ttnbbs@rtpcnc.epa.gov

Technologies covered: Air.

Information contained: Air pollution control technologies and pollution prevention methods as applied to emission sources.

CTIN

Name: Clean Technology Information Network – CT Database

Address: National Environmental Engineering Research Institute (NEERI), Nehru Marg, Nagpur 440-020, India
 Tel: +91-712-226071
 Fax: +91-712-222725
 E-mail: peekay@csneeri.ren.nic.in

Technologies covered: Cleaner production, water pollution control, air pollution control.

Information contained: Cleaner technologies, cleaner production and pollution control for industrial manufacturing sectors. Information on 510 international case studies for 14 industrial sectors.

CWRT

Name: Center for Waste Reduction Technologies

Address: 345 East 47th Street, New York, Ne61 w York 10017-2395, USA
 Tel: +1-212-705-7462
 Fax: +1-212-838-8274
 E-mail: cwrt@aiche.org
 Internet address: http://www.che.ufl.edu/aiche/sponsored_research/cwrt/

Description: Established in 1991, CWRT promotes programmes to prevent pollution and conserve energy by carrying forward targeted research and technology transfer programmes and contributing to the growing international technological base. CWRT seeks to benefit its sponsors (including the US Department of Energy) and society by identifying, developing and transferring environmentally beneficial technologies in a cost-effective and timely manner by leveraging resources. CWRT has been involved with the development of the Clean Process Advisory System (CPAS). CWRT formed alliances with the Center for Clean Industrial and Treatment Technologies (CenCITT) and the National Center for Manufacturing Sciences (NCMS).

DTA

Name: The Database Technology Assessment (TA – Database)

Address: Forschungszentrum Karlsruhe, Institute for Technology Assessment and Systems Analysis (ITAS), P.O. Box 3640, Karlsruhe D-76021, Germany
 Tel: +49-7247-822509/822500
 Fax: +49-7247-824806
 E-mail: coenen@itas.fzk.de
 Internet address: <http://www.tab.fzk.de/eng/itaseng.html> or <http://www.fiz-karlsruhe.de/ta.html>

Technologies covered: Water, air, noise and vibration, solid waste management, energy, cleaner production, land and agriculture, construction, building and engineering, global environment.

Information contained: Key technologies: biotechnology; data processing, information and communication; manufacturing, including CAD, CAM, CIM; laser-, opto- and micro-electronics; new materials. Directory of 496 institutions in 16 countries as well as international institutions, information on 2,332 research projects and 5,255 bibliographic citations.

ECCJ

Name: Energy Conservation Center, Japan

Address: Hatchobori 3-19-9, Chuo-ku, Tokyo 104, Japan
 Tel: +81-3-5543-3018
 Fax: +81-3-5543-3021

Description: The objective of ECCJ is to foster international technical cooperation in the field of energy conservation. Established in 1978, it provides training programmes in Japan and overseas and supports the establishment of centres for the promotion of energy conservation in key regions abroad. Through its ties with energy conservation organizations overseas and its sponsorship of international conferences, exchange of knowledge on energy conservation technologies is made possible.

EDAS

Name: Energy Design Advice Scheme

Address: School of the Built Environment, University of Ulster, Newtownabbey BT37 0QB, Northern Ireland
 Tel: +44-1232-364090
 Fax: +44-1232-364090
 E-mail: p.waterfield@ulst.ac.uk

Technologies covered: Energy, building and engineering.

Information contained: Energy and environment-conscious design of buildings and services including energy in use and embodied energy (materials manufacture, construction process, etc.). Descriptions of systems and processes related to energy in buildings.

EEA

Name: European Environment Agency

Address: Kongensnytorv 6, Copenhagen K, DK-1050, Denmark
 Tel: +45-3336-7100
 Fax: +45-3336-7199
 E-mail: ia@eea.dk
 Internet address: <http://www.eea.dk>

Description: The EEA is currently in the process of establishing clearinghouses in the areas of clean technology, life cycle analysis and risk assessment.

EEIS

Name: Energy and Environment Information System

Address: Industrial Technology Information Bank (INTIB), Vienna International Centre, P.O. Box 300, Vienna A-1400, Austria
 Tel: +43-1-21131-3705
 Fax: +43-1-21131-6843
 E-mail: ppemblemton@unido.org
 Internet address: <http://www.unido.org>

Technologies covered: Cleaner production, energy, water, building and engineering, hazardous wastes, air, solid waste, global environment, industrial.

Information contained: Industrial sectors including electronics industry, leather and leather products, building materials, cement, ceramics, industrial manpower training, wood products, textiles and clothing, iron and steel, non-ferrous metals, petrochemicals, food processing, fertilizers, etc.

EIDS

Name: Environmental Information and Documentation System (UMPLIS)

Address: Bismarckplatz 1, Berlin-Grünwald D-14193, Germany
 Tel: +49-30-8903/2305/2213
 Fax: +49-30-8903/2154

Technologies covered: Cleaner production, energy, water, air, land and agriculture, noise and vibration, solid waste, hazardous waste, global environment.

Information contained: Pollution control for hazardous substances, air quality, waste disposal, marine environment, environmental law, research and development, water, noise, ecology and nature conservation.

ENERGY CONSERVATION DATABASE

Name: Energy Conservation Database

Address: Energy Conservation Center, Japan (ECCJ), Hatchobori 3-19-9, Chuo-ku, Tokyo 104, Japan
 Tel: +81-3-5543-3017
 Fax: +81-3-5543-3022

Technologies covered: Energy.

Information contained: Energy conservation technologies related to energy management, heat insulation, combustion, heating and cooling, heat recovery, heat storage, power generation, co-generation, power distribution, lighting, motive power, air conditioning, transportation and recycling.

ENERGY/ENVIRONMENT DISC**Name: Energy/Environment Disc****Address:** 345 E. 47th St., New York, New York 10017, USA**Tel:** +1-212-705-7600**Fax:** +1-212-832-1857**Internet address:** <http://www.ei.org/>**Technologies covered:** Air, solid waste, energy.**Information contained:** Air pollution, fuels, alternative energy sources, geology, resource management, waste disposal and processing, nuclear technology and geophysics.**ENERGY TECHNOLOGY AND NATURAL RESOURCES DIRECTORY****Name: 94-95 Directory on Energy Efficiency and Natural Resources****Address:** Natural Resources Canada, Energy Efficiency Programs Division, 580 Booth, Ottawa, Ontario K1A 0E4, Canada**Tel:** +1-613-996-7512**Fax:** +1-613-943-1590**Technologies covered:** Energy, land and agriculture.**Information contained:** Renewable and conservation energy technologies: active solar energy, energy, bioenergy, ground source heat pumps, natural gas transportation fuel systems, photovoltaic energy, small hydro power, wind energy, wood burning appliances, building energy control systems, building space conditioning, energy-efficient building products, heat recovery and distribution, and industrial process equipment. The directory provides information on companies involved in energy related technologies. Each entry contains the company name, the type of company, address, contact numbers, contact names, employees, sales category, and descriptions of products and services.**ENSICNET****Name: Environmental Systems Information Centre Network****Address:** P.O. Box 2454, Klong Luang 12120, Thailand**Tel:** +66-2-524-5882/524-5863**Fax:** +66-2-524-5879/524-5870**E-mail:** stueart@ait.ac.th/enreric@rccsun.ac.th**Internet address:**<http://www.ait.ac.th/clair/centers/ensic.html>**Technologies covered:** Cleaner production, water, air, solid waste, land and agriculture.**Information contained:** Pollution control technologies for sanitation, water supply and water resources, wastewater treatment, solid waste treatment, toxic and hazardous waste, air and noise pollution.**ENVIROTECH ON-LINE****Name: Envirotech On-Line****Address:** 611 Belchertown Rd, P.O. Box 44, Amherst, Massachusetts 01004, USA**Tel:** +1-413-598-8600**Fax:** +1-413-598-0350**E-mail:** gormally@crocker.com**Internet address:** <http://www.envirotech.org>**Technologies covered:** Cleaner production, energy, water, air, land and agriculture, solid waste, hazardous waste, building and engineering.**Information contained:** Environmental pollution control technology, products, services, research and financing provided by US environmental technology companies. Technology descriptions, industry directories.**EP3 INFO****Name: Environmental Pollution Prevention Project****Address:** 1530 Wilson Blvd., Suite 900, Arlington, Virginia 22209-2406, USA**Tel:** +1-703-351-4004**Fax:** +1-703-351-6166**E-mail:** apenderg@habaco.com**Internet address:** WWW:[http://wastenot.inel.gov:80/enviro\\$en\\$intern et/ep3/ep3100.html](http://wastenot.inel.gov:80/enviroenintern et/ep3/ep3100.html)**Technologies covered:** Cleaner production, water, air.**Information contained:** Industrial cleaner production (pollution prevention) technologies (from assessment reports in EP3 projects) in developing countries which include electroplating, food processing, paper, plastics, printing, tanning and textiles.**EREC****Name: Energy Efficiency and Renewable Energy Clearinghouse****Address:** NREL, 1617 Cole Blvd., Golden, Colorado 80401-3393, USA**Tel:** +1-303-275-4256**Fax:** +1-303-275-4222**E-mail:** wulf@tcplink.nrel.gov**Internet address:** <http://erecbbs.nciinc.com/>**Technologies covered:** Global environment, energy, construction and engineering, land and agriculture.**Information contained:** Renewable and conservation energy technologies. Energy-efficient technologies for residential, commercial and industrial applications including building envelope measures (insulation, weatherization, windows, resource efficient construction principles and techniques, etc.), building equipment (lighting, heating, ventilating and air conditioning, appliances, etc.), and other devices (motors, controls, energy management systems).**EREN****Name: Energy Efficiency and Renewable Energy Network****Address:** MSEE-541, Rm. SE-036, Forrestal Bldg., 1000 Independence Ave., SW, Washington, District of Columbia 205585, USA**Tel:** +1-303-275-4035**Fax:** +1-303-275-4222**E-mail:** lowep@tcplink.nrel.gov**Internet address:** <http://www.eren.doe.gov>**Technologies covered:** Global environment, energy, solid waste, land and agriculture.**Information contained:** Renewable and energy conservation technologies. Resources on energy efficiency and renewable energy technologies. Renewable energies: solar, wind, geothermal, hydrogen, fuels, chemicals, ocean. Information on and access to documents, databases, bulletin boards, discussion groups on all kinds of energy efficiency and renewable energy technologies.**ETC****Name: Environmental Technology Centre****Address:** Institute for Environmental Science, Murdoch University, Murdoch WA 6150, Australia**Tel:** +61-9-360-2167**Fax:** +61-9-310-4997**E-mail:** ho@essun1.murdoch.edu.au**Internet address:**<http://www.ies.murdoch.edu.au/institute/ies.html>**Description:** The ETC, which was established by the Remote Area Developments Group, is located on the campus of Murdoch University and seeks to educate and inform the public about environmentally sound technologies (ESTs) in the five spheres of human existence: food, water, shelter, energy and material resources. Both research and display facilities are available at the 1.7 hectare centre with a view to promoting an understanding of ESTs to students, industry and the community. The focus is on ESTs relevant to urban villages and remote/rural communities.**ETDE****Name: Energy Technology Data Exchange Database****Address:** P.O. Box 1000, Oak Ridge, Tennessee 37831, USA**Tel:** +1-423-576-1272**Fax:** +1-423-576-2865**E-mail:** debbie.cutler@ccmail.osti.gov**Internet address:** <http://www.etde.org>**Technologies covered:** Global environment, energy.**Information contained:** Greenhouse gas and pollution control, and waste management technologies. The energy database includes records on the latest energy technologies that can help mitigate greenhouse gases or conserve energy, on alternative and renewable technologies, and on environmental aspects of energy production and use, such as oil spill clean-up devices and air pollution monitoring techniques.

ETNA

Name: Environmental Technology Network for Asia

Address: 1133 20th Street NW, Suite 300, Washington, District of Columbia 20036, USA

Tel: +1-202-835-0333

Fax: +1-202-835-0366

E-mail: tyoder@usaid.gov

Internet address:

<http://www.info.usaid.gov/business/ctis/etna.html>

Technologies covered: Water, energy, solid waste, air, water.

Information contained: Covers air pollution controls, water, liquid pollution, solid waste treatment, containment and disposal, groundwater treatment, environmental services, energy conservation, renewable energy, waste minimization. Environmental technologies offered by US companies.

EUREKA

Name: Environmental Research Projects

Address: 19H, Avenue des Arts, Boîte 5, 1000-Brussels, Belgium

Tel: +32-2-229-2240

Fax: +32-2-218-7906

E-mail: zamorano@mail.interpac.be

Internet address: <http://eureka.belspo.be>

Technologies covered: Cleaner production, energy, water, air, noise and vibration, land and agriculture, solid waste, hazardous waste, global environment, building and engineering.

Information contained: This address offers access to EUREKA general information. The database contains information on EUREKA projects and EUREKA umbrellas with descriptions based on the original reports supplied by the participants. Included are project name, status, technological area, participants, contact names, application market, and other relevant information.

EUROWIN

Name: European Wind Turbine Database

Address: Oltmannstrasse 5, Freiburg D-79100, Germany

Tel: +49-761-4588-219 (216)

Fax: +49-761-4588-217

E-mail: mrehm@ise.fhg.de

Internet address: <http://www.ise.fhg.de/>

Technologies covered: Energy.

Information contained: Renewable energy technologies (Europe). Wind energy conversion systems (wind turbine generators). Statistical summary of wind turbine installations and performance and report of wind energy activities in progress in 18 European countries.

GARNET

Name: Global Applied Research Network in Water Supply and Sanitation

Address: Water Engineering and Development Centre (WEDC), Loughborough University, Leicestershire LE11 3TU, UK

Tel: +44-1509-222885

Fax: +44-1509-211079

E-mail: d.l.saywell@lboro.ac.uk

Internet address:

<http://agate.lut.ac.uk/department/cv/wedc/index.html>

Technologies covered: Water, solid waste.

Information contained: Solid waste management, water quality monitoring.

GEC

Name: Global Environment Centre

Address: 2-110 Ryokuchi Koen, Tsurumi-ku, Osaka 538, Japan

Tel: +81-6-915-4121

Fax: +81-6-915-0181

E-mail: gec@unep.or.jp

Internet address: <http://www.unep.or.jp/gec/>

Description: GEC is a supporting foundation to UNEP IETC. The centre has considerable experience in the field of urban environmental issues and undertakes research on global environmental preservation. GEC is also actively involved in information dissemination on global environmental issues and technology. In December 1995, the centre began operating a World Wide Web site and an environmental technology database.

GEM

Name: Global Environmental Marketplace

Address: 1-7-42 Honkugenuma, Fujisawa, Kanagawa 251, Japan

Tel: +81-466-25-5985

Fax: +81-466-25-5999

E-mail: kiti@infostream.ab.ca

Internet address:

<http://www.infostream.ab.ca/gem/>

Technologies covered: Global environment, air, construction and engineering, land and agriculture, cleaner production, energy, water, solid waste, hazardous waste.

Information contained: Waste management focusing on recycling technologies. Over 100 Japanese technologies collected yearly that are usable in municipalities and industry. Technologies listed are licensable to developed nations and transferable to developing countries. Introduction of Japanese environmentally sustainable technologies to the world and *vice versa*.

GETNET

Name: Global Environmental Technology Network

Address: 20, Avenue Appia, Geneva CH-1211, Switzerland

Tel: +41-22-791-3754

Fax: +41-22-791-0746/4123

E-mail: lapensee@who.ch

Technologies covered: Global environment, energy, solid waste, land and agriculture, cleaner production, water.

Information contained: Environmental pollution control technologies. Human health and safety, occupational health.

GNET

Name: Global Network for Environmental Technology

Address: 7010 Little River Turnpike, Annandale, Virginia 22003-9998, USA

Tel: +1-703-750-6401

Fax: +1-703-750-6506

E-mail: Joelle_Jordan@gnet.org

Internet address: <http://www.gnet.org/>

Description: GNET is a gateway to constantly updated information on innovative environmental technologies, business and news, with leads to marketing, intelligence, financing and contracting opportunities. GNET seeks to promote sustainable development and environmental remediation through technological innovation, with a focus on the commercialization of US Department of Energy developed applications. Featuring moderated discussion forums, as well as full-text search capabilities, GNET is an interactive community and an in-depth data-source for the environmental marketplace.

GREC

Name: Gambia Renewable Energy Centre

Address: Ministry of Trade, Industries and Employment, The Energy Division, Central Bank Building, Banjul, the Gambia

Description: GREC undertakes research and collects information on alternative sources of fuelwood and energy-saving technologies.

GREEN PAGES

Name: Source Directory for Environmental Technology

Address: 58 Poh Wah Yuen, 2/F, P.O. Box 47, Yung Shue Wan, Lamma, Hong Kong

Tel: +852-2982-1274

Fax: +852-2982-2430

Technologies covered: Cleaner production, energy, water, air, noise and vibration, land and agriculture, solid waste.

Information contained: Water and waste treatment, waste management and recycling, air and noise pollution control, soil decontamination and remediation, power generation and energy efficiency, new and renewable energy technologies. Details of 2,300 suppliers from 33 countries comprising manufacturers, engineering consultants and information services.

GREENTIE

Name: Greenhouse Gas Technology Information Exchange

Address: Swentiboldstraat 21, P.O. Box 17, Sittard NL-6130 AA, the Netherlands
Tel: +31-46-595203
Fax: +31-46-510389
E-mail: nlnovhag@ibmmail.com
Internet address: <http://www.greentie.org>

Technologies covered: Global environment, air, energy, cleaner production.

Information contained: Greenhouse gas and chlorofluorocarbon (CFC) alternative technologies (sources not known). Energy technologies, energy end-use technologies, carbon dioxide control and abatement technologies, CFC-alternate technologies. Contains names and addresses, contact person, etc. and descriptions of technology expertise of organizations dealing with greenhouse gas technologies, such as research and development institutions, consultancy and equipment suppliers.

HCT

Name: Hydrocarbon Technology Information Service

Address: Postfach 5180, Dag-Hammarskjöld-Weg 1-5, Eschborn D-6236, Germany
Tel: +49-6196-79-3198
Fax: +49-6196-79-7352
E-mail: gtz-gate-fckw@geod.geonet.de

Technologies covered: Global environment.

Information contained: Hydrocarbons used as replacements for chlorofluorocarbons (CFCs).

ICARUS

Name: Information Systems on Conservation and Application of Resources Using a Sector Approach

Address: University of Utrecht, Department of Science, Technology and Society, Padualaan 14, Utrecht NL-3584 CH, the Netherlands
Tel: +31-30-537638/7600
Fax: +31-30-537601
E-mail: J.deBeer@nwsmail.chem.ruu.nl
Internet address/WWW: <http://www.chem.ruu.nl/nws/www/nws.html>

Technologies covered: Energy.

Information contained: Information on saving potential and cost for about 900 energy efficient technologies that can be applied in all economic sectors in the Netherlands for the periods 1990-2008 and 1990-2015; energy growth and price scenarios; carbon dioxide emission factors per fuel; energy balance for 1990; etc.

ICETT

Name: International Center for Environmental Technology Transfer

Address: 3690-1, Sakura-cho, Yokkaichi 510-12, Japan
Tel: +81-593-29-8111
Fax: +81-593-29-8115
E-mail: icett@tcp.ip.or.jp

Description: ICETT was established in 1990 by Mie prefectural government and Yokkaichi municipality as an environmental technology transfer centre. The centre's present name was adopted in February 1991. In close cooperation with the Mie prefectural government, the city of Yokkaichi, private companies and academia, ICETT seeks to promote the transfer of Japan's environmental pollution control technologies. The centre undertakes research and development and organizes training programmes for participants from developing countries.

ICPIC

Name: International Cleaner Production Information Clearinghouse

Address: 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: icpic@unep.fr
Internet address: <http://www.unepie.org>

Technologies covered: Global environment, cleaner production.

Information contained: Industrial cleaner production for improved housekeeping practices, industrial process changes, product changes, material changes and materials recycling, and a directory of contacts.

IEA

Name: International Energy Agency

Address: 2 rue André Pascal, 75775 Paris Cedex 16, France
Tel: +33-1-45-24-98-73
Fax: +33-1-45-24-94-75
Internet address: <http://www.iea.org>

Description: The IEA is an autonomous body which was established in 1974, within the framework of the Organisation for Economic Co-operation and Development (OECD), to implement an international energy programme. It carries out a comprehensive programme of energy cooperation among 23 of the OECD's 26 member countries. The IEA has a programme of over 40 international energy collaboration projects covering energy technology information centres, fossil fuel technologies, renewable energy technologies and nuclear fusion science and technology. These projects are open to participants from all countries.

IEA CADDET REGISTER

Name: IEA CADDET Energy Efficiency Register

Address: P.O. Box 17, Sittard NL-6130 AA, the Netherlands
Tel: +31-46-4202224
Fax: +31-46-4510389
E-mail: nlnovcce@ibmmail.com
Internet address: <http://www.caddet-ee.org>

Technologies covered: Energy.

Information contained: Energy saving end-use technologies and demonstration projects with application in the end-use sectors, buildings, industry, transport, utilities and agriculture. Each entry contains a description of the project under the headings: general description, technical data, energy data, economic data and environmental data. Contact information is included for the host company, monitoring organization and a contact organization for further information.

IEA CADDET RENEWABLES REGISTER

Name: IEA CADDET Renewable Energy Register Database

Address: ETSU, Harwell OX11 0RA, UK
Tel: +44-1235-432536
Fax: +44-1235-433595
E-mail: philip.mann@aeat.co.uk/
 caddet.renew@aeat.co.uk
Internet address: <http://www.caddet-re.org>

Technologies covered: Energy.

Information contained: All renewable energy technologies: wind, biomass, waste, solar (active, passive), photovoltaic, hydro, geothermal and tidal. Contains information on renewable energy demonstration projects from seven CADDET member countries.

IEBTI

Name: International Environmental Business and Technology Institute

Address: 100 Morrissey Bd., Boston, Massachusetts 01125-3393, USA
Tel: +1-617-287-7723
Fax: +1-617-482-7347

Description: IEBTI has developed an information system called Envirotech On-Line which provides details of environmental pollution control technology, products, services, research and financing provided by US environmental technology companies. Funding has been received from the US Department of Commerce to launch the system.

IEP

Name: Institute of Environmental Protection

Address: 5/11 Krucza Street, Warsaw 00-548, Poland
Tel: +48-2-621-3670
Fax: +48-2-29-5263
E-mail: earn/bitnet.jos@plearn.bitnet

Description: The Institute of Environmental Protection is currently working on an EST database with support from the Polish State Committee for Scientific Research. The database will contain information on the best available technology related to wastewater and industrial effluent control in the Polish context.

IETD

Name: Innovative Environmental Technology Database

Address: 1795 Turtle Hill Road, Enterprises, Florida 32725, USA
Tel: +1-407-321-7912
Fax: +1-407-321-3098
E-mail: solutions@env-sol.com
Internet address: <http://www.env-sol.com>

Technologies covered: Cleaner production, solid waste, global environment.

Information contained: Covers water, wastewater, air, remediation, waste reduction and recycling. "How to" datafile of waste management solutions. Also includes comprehensive collection of treatability studies covering treatment technologies and post-treatment analysis.

INFOTERRA

Name: UNEP INFOTERRA

Address: P.O. Box 30552, Nairobi, Kenya
Tel: +254-2-62-3511
Fax: +254-2-62-3943
E-mail: infotinf@unep.org
Internet address: <http://www.unep.org>

Description: INFOTERRA, the Global Environmental Information Exchange Network of UNEP, was established in 1975 by a decision of the third Governing Council with the aim to develop a mechanism to "facilitate the exchange of environmental information within and among nations". INFOTERRA subsequently established a decentralized information system operating through a worldwide network of national environmental institutions designated and supported by their governments as focal points. In 1996, INFOTERRA became part of the Division of Environmental Information and Assessment.

ISAT

Name: Information and Advisory Service on Appropriate Technology

Address: Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ), Postfach 5180, Eschborn D-65726, Germany
Tel: +49-6196-79-3184
Fax: +49-6196-79-7352
E-mail: dirk.franken@gtz.de
Internet address: <http://www.gtz.de/gate/isat>

Technologies covered: Energy, water, air, noise and vibration, building and engineering.

Information contained: Environmental pollution control, renewable energy systems, water supply and wastewater disposal, agriculture, food processing, crafts and small-scale industry, building and construction materials, household energy. Technology descriptions.

JAEE

Name: Japanese Advanced Environmental Equipment

Address: Kikaishinko Bldg., Rm. 405, 5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan
Tel: +81-3-3434-6820
Fax: +81-3-3434-4767
Internet address: <http://www.unep.or.jp/gec/>

Technologies covered: Water, air, noise and vibration, solid waste.

Information contained: Air and water pollution control, waste treatment, noise and vibration control equipment. Classifications of equipment, descriptions of technologies, products list, directory of manufacturers, detailed index.

JEMU/TPI DATABASE

Name: Joint Environmental Markets Unit/Technology Partnership Initiative

Address: JEMU/TPI, 151 Buckingham Palace Road, London SW1W 9SS, UK
Tel: +44-171-215-1644
Fax: +44-171-215-1089

Technologies covered: Global environment, air, noise and vibration, construction and engineering, land and agriculture, water, solid waste, hazardous waste, energy, cleaner production.

Information contained: Air pollution control, water and wastewater treatment, waste management, contaminated land, energy management, renewable energy, marine pollution control, environmental monitoring and analysis, environmental consultancy services, noise and vibration control, recovery and recycling.

KfK/AFAS

Name: Karlsruhe Research Centre

Address: P.O. Box 3640, Karlsruhe D-76021, Germany
E-mail: lessman@itas.kfr.de

Description: KfK/AFAS has developed a database called the TA (Technology Assessment) Database which includes studies on the potential of new technologies, technological forecasting and monitoring, as well as other aspects of technology assessment.

KINITI

Name: Korea Institute of Industry and Technology Information

Address: Technology Transfer Information Centre, 206-9 Choengryangri-Dong, Dongdaemum-ku, P.O. Box 205, Cheongryang, Seoul, Republic of Korea
Tel: +82-2-962-6211
Fax: +82-2-962-7198
E-mail: kimjae@kinins.kiniti.re.kr
Internet address: <http://www.kiniti.re.kr>

Description: KINITI has been mandated to assume a key role in the establishment of a nationwide information dissemination system to support the industrial and technological development of the Republic of Korea. The institute performs three key roles: it undertakes surveys of the supply and demand for technologies; it organizes seminars and workshops on technology transfer; and it develops databases on technology transfer information.

LINK

Name: The LINK System

Address: 1215 Fourth Avenue, St. 320, Seattle, Washington 98161, USA
Tel: +1-206-622-5589/206-323-1820
Fax: +1-206-622-6343/206-329-3364
E-mail: LINK@halcyon.com

Technologies covered: Water, air.

Information contained: Technologies, products and services for subscribers from all segments of the environmental pollution control industry. Detailed experience profiles and contact information for US environmental companies that subscribe to the service.

MECTAT

Name: Middle East Centre for the Transfer of Appropriate Technology

Address: Middle East Engineers and Architects Ltd., P.O. Box 113, Beirut, Lebanon
 Tel: +961-1-341323
 Fax: +961-1-346465

Description: MECTAT is an environmental resource centre promoting environmentally sound technologies and environmental awareness. It was established in 1982 and is affiliated with Middle East Engineers and Architects Ltd. (MEEA), a consulting firm based in Beirut, Lebanon. The centre's main areas of interest include: waste management, renewable energy, sustainable agriculture, fresh water resources, housing, environmental awareness raising and environmental management. Its activities focus on research, development, field testing, training, consultancy, and promotion of technical know-how.

NATTA

Name: Network for Alternative Technology and Technology Assessment

Address: c/o Walton Hall, Open University, Milton Keynes, Bucks MK7 6AA, UK
 Tel: +44-1908-65-4638
 Fax: +44-1908-65-3744
 E-mail: d.a.elliott@open.ac.uk
 Internet address: <http://eeru-www.open.ac.uk/>

Technologies covered: Energy.

Information contained: Renewable energy: wind farms, water power, solar and biofuels. Policies and technology development in the field of renewable energy with emphasis on the United Kingdom.

NEERI

Name: National Environmental Engineering Research Institute

Address: Nehru Marg, Nagpur 440020, India
 Tel: +91-712-223-893
 Fax: +91-712-222-725
 E-mail: peekay@csneeri.ren.nic.in.

Description: NEERI was established in 1958 and is a constituent laboratory under the Council of Scientific and Industrial Research (CSIR), government of India. It has developed a database which contains 510 case studies on cleaner technologies. Since 1996, the Indian Centre for Promotion of Cleaner Technologies (ICPC) has been established at NEERI.

NETCEN

Name: National Environmental Technology Centre

Address: Culham, Abingdon, Oxfordshire OX14 3DB, UK
 Tel: +44-1235-463811
 Fax: +44-1235-463389
 E-mail: maurice.alphandary@aeat.co.uk

Description: NETCEN is part of AEA Technology, a major science and engineering organization with staff based in the United Kingdom and in an increasing number of offices overseas. NETCEN provides research, consultancy and technical services across all environmental media, including monitoring and management of air and water quality, monitoring of emissions from industrial processes, waste management and technical emergency response. It is also heavily involved in environmental technology transfer activities.

NREL

Name: National Renewable Energy Laboratory

Address: 1617 Cole Boulevard, Golden, Colorado 80401-3393, USA
 Tel: +1-303-275-4090
 Fax: +1-303-275-4091
 E-mail: webmaster@nrel.gov
 Internet address: <http://www.nrel.gov/>

Description: NREL was established by the Solar Energy Research, Development and Demonstration Act of 1974 as a national centre for federally sponsored solar energy research and development. Two environmentally sound technology-related information systems are based at the laboratory. These are the Energy Efficiency and Renewable Energy Network (EREN) and the Energy Efficiency and Renewable Energy Clearinghouse (EREC).

NSFC

Name: National Small Flows Clearinghouse

Address: West Virginia University, P.O. Box 6064, Morgantown, West Virginia 26506-6064, USA
 Tel: +1-304-293-4191
 Fax: +1-304-293-3161

Technologies covered: Water.

Information contained: Pollution control for alternative wastewater treatment technology for small communities. Innovative and Alternative (I/A) Facilities Technologies Database containing information on 1,900 facilities using a combined total of 2,600 innovative and wastewater technologies. A manufacturers and consultants database contains contact and product information, and details on expert consultants.

NTTC

Name: National Technology Transfer Center

Address: Jesuit College, 316 Washington Avenue, Wheeling, West Virginia 26003, USA
 Tel: +1-304-243-2551
 Fax: +1-304-243-2539
 E-mail: webmaster@nttc.edu
 Internet address: <http://www.nttc.edu/>

Description: The National Technology Transfer Center (NTTC) was established by the US Congress to link US companies with federal laboratories in order to turn government research results into practical, commercially-relevant technology. One specific sector deals with environmental technology transfer and is referred to as the Environmental Technology Gateway.

OAIC

Name: OzonAction Information Clearinghouse

Address: 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: ozonaction@unep.fr
 Internet address: <http://www.unepie.org>

Technologies covered: Global environment, air, cleaner production.

Information contained: All alternative technologies, chemicals and strategies that reduce, replace or eliminate the production and use of ozone depleting substances. The technologies address the following industrial sectors: aerosols, sterilants, carbon tetrachloride, halons (fire protection), rigid and flexible plastic foams, refrigeration, air conditioning, heat pumps, solvents, coatings, adhesives and methyl bromide (soil fumigation and crop shipment disinfection). OzonAction contains technology case studies; a database of ozone depleting substances-reduction products and services; national and corporate programme summaries; details of experts; literature database of significant ozone depleting substances-reduction documents; and message centres. It also relays the solvent substitute database known as OZONET compiled by the Industry Cooperative for Ozone Layer Protection (ICOLP).

OCETA

Name: Ontario Centre for Environmental Technology Advancement

Address: 63 Polson Street, 2nd Floor, Toronto, Ontario M5A 1A4, Canada
Tel: +1-416-778-5264
Fax: +1-416-778-5624
E-mail: oceta@hookup.net
Internet address: <http://www.oceta.on.ca/>

Description: OCETA is part of the network of Canadian Environmental Technology Advancement Centres. It is a private sector, not-for-profit corporation committed to helping small and medium-sized enterprises (SMEs) overcome the barriers involved in the commercialization of new environmental technologies. OCETA is an industry-led initiative dedicated to providing Ontario-based companies with a wide range of technical and business-based services. OCETA acts as a critical link in technology transfer, providing access to engineering, regulatory, financial, educational and management services, along with information resources and key support services.

OECD

Name: Organisation for Economic Co-operation and Development

Address: 2 rue André Pascal, 75775 Paris Cedex 16, France
Tel: +33-1-45-24-8500
Internet address: <http://cs1-hq.oecd.org/>

Description: The OECD records and studies the characteristics of past and actual economic growth. The OECD is the world's largest source of comparative data on the industrial economies. It produces a wide range of publications studies, comparative analyses and statistical reports covering agriculture, environmental policy, pollution, hazardous substances, radioactive wastes, toxic substances, pollution control regulations, transnational pollution, urban planning, energy sources and fuels, nuclear energy, energy research centres, technology transfer and development. It has examined the trade issues associated with the transfer of clean technologies, use of biotechnology in pollution prevention detection and remediation, and also the development of sustainable agricultural cleaner technologies. The OECD and IEA have supported the establishment of the CADDET system and the GREENTIE initiative.

POLLUABS

Name: Pollution Abstracts

Address: 7200 Wisconsin Ave., Suite 601, Bethesda, Maryland 20814-4823, USA
Tel: +1-301-961-6750
Fax: +1-301-961-6720
Internet address: <http://www.csa.com/>

Technologies covered: Water, air, noise and vibration, land and agriculture, solid waste, hazardous waste.

Information contained: Bibliographic: contains about 200,000 citations, with abstracts, to the worldwide technical and non-technical literature on pollution research, sources and controls. Covers air, water, land, thermal, noise and radiological pollution; pesticides; sewage and waste treatments; environmental action; toxicology and health.

PPIC (ENVIROSENSE)

Name: Pollution Prevention Information Clearinghouse

Address: 401 M Street, SW 7409, Washington, District of Columbia 20460, USA
Tel: +1-202-260-1023/3161
Fax: +1-202-260-0178
E-mail: ppic@epamail.epa.gov
Internet address: <http://es.inel.gov>

Technologies covered: Air, energy, noise and vibration, land and agriculture, cleaner production.

Information contained: Cleaner production (pollution prevention) source reduction, recycling, life-cycle assessment, environmental labelling, safer substitutes. Case studies, programmes and technology descriptions.

RBLC

Name: Reasonably Available Control Technology, Best Available Control Technology, Lowest Available Emission Rate Clearinghouse

Address: MD-13, Research Triangle Park, North Carolina 27711, USA
Tel: +1-919-541-0800
Fax: +1-919-541-0072
E-mail: blaszczak.bob@epamail.epa.gov
Internet address: <http://ttnwww.rtpnc.epa.gov>

Technologies covered: Air.

Information contained: Air pollution control technologies and pollution prevention methods as applied to emission sources in the United States. Summaries of technologies, emission limits, costs, etc. applied to major sources in the United States by state and local agencies.

REFIS

Name: Russian Ecological Federal Information System

Address: B. Gruzinskaya, 4/6, Moscow 123812, Russia
Tel: +7-095-284-8235
Fax: +7-095-284-8550

Technologies covered: Water, solid waste.

Information contained: Pollution control, industrial and municipal wastes, agriculture, water purification and biotechnology. Survey of organizations/institutes in Russian Federation developing environmentally sound technologies.

Information source: General description of Russian technologies, directory of contact organizations, documentation, information from 300 organizations.

RENTEK

Name: Information System on Cleaner Technologies

Address: 29 Strandgade, Copenhagen K, Denmark
Tel: +45-32-660100
Fax: +45-32-660479

Technologies covered: Cleaner production, water, air.

Information contained: Industrial cleaner production and pollution control technologies for iron and metals, wood and furniture, plastics manufacturing and food processing (fish only: dairy, vegetables and meat to be added). Technology descriptions, possible alternatives.

RERIC

Name: Regional Energy Resources Information Center

Address: P.O. Box 4, Klong Luang 12120, Thailand
Tel: +66-2-524-5866
Fax: +66-2-524-5870
E-mail: eneric@ait.ac.th
Internet address: <http://www.ait.ac.th/clair/eric1.html>

Technologies covered: Energy.

Information contained: Energy planning, energy conservation, renewable energy resources, solar, wind and biomass energy and small-scale hydro power.

RET

Name: Renewable Energy Technologies

Address: Usmanu Danfodiyo University,
Sokoto, P.M.B. 2346, Nigeria
Tel: +234-60-237568
Fax: +234-60-237568

Technologies covered: Energy.

Information contained: Renewable energy technologies, alternative sources of energy, energy conservation. Development, installation and application information on biogas and solar energy technologies.

RIET

Name: Regional Institute of Environmental Technology

Address: 3 Science Park Drive, SISIR Annex #04-08, Singapore 118223, Singapore
Tel: +65-777-2685
Fax: +65-773-2800
E-mail: RIET@pacific.net.sg

Description: Supported as a joint initiative of the European Commission and the Singapore Institute of Standards and Industrial Research, RIET is a not-for-profit organization. It is involved in the promotion and exchange of know-how and skills in the fields of environmental management and technology between Europe and Asia. It also seeks to provide assistance to regional policy makers for better industrial production, and to develop expert human resources in this field. It acts as a bridgehead between European and Asian companies which supply and use environmental technology and services.

RITE

Name: Research Institute for Innovative Technology

Address: 2-9-2 Kizugawadai, Kizu-cho, Soraku-gun, Kyoto 619-0, Japan
Tel: +81-7747-5-2302
Fax: +81-7747-5-2314
E-mail: info@rite.or.jp

Internet address: <http://www.rite.or.jp>

Description: RITE was established in July 1990 to promote the "New Earth 21" programme with the aim of developing research in advanced industrial technologies that are environment friendly.

SAGE

Name: Solvent Alternatives Guide

Address: EPA, Research Triangle Park, North Carolina 27711, USA
Tel: +1-919-541-7633
Fax: +1-919-541-7891
E-mail: sage-master@clean.rti.org
Internet address: <http://clean.rti.org>

Technologies covered: Global environment.

Information contained: Ozone depleting substance-solvents and volatile organic compounds. Details on economically and technically feasible non-ozone depleting substance/volatile organic compound alternatives. Provides case studies.

SEI

Name: Stockholm Environment Institute

Address: SEI-Stockholm, Lilla Nygatan 1, Box 2142, Stockholm S-103 14, Sweden
Tel: +46-8-723-0260
Fax: +46-8-723-0348

E-mail: seihq@nordnet.se or seihq@nn.apc.org

Internet address: <http://nn.apc.org/sei/>

Description: Stockholm Environment Institute (SEI) was established by the Swedish Parliament in 1989 as an independent Foundation for the purpose of carrying out global and regional environmental research. The institute is active in international initiatives on environment and development issues and, for example, made substantive contributions to the preparatory work of the United Nations Conference on Environment and Development (UNCED), including the action plan Agenda 21. The research areas covered are urban environment, common property management, energy resources, atmospheric environment, climate change, cleaner production, freshwater resources, economic instruments and biotechnology.

SOLARPACES

Name: IEA Solar Power and Chemical Energy Systems Program

Address: Kleimannsrub 7, Githorn-Winkel D-38518, Germany
Tel: +49-5371-15742
Fax: +49-5371-15755
E-mail: solarpaces@dlr.de

Internet address:

<http://www.demon.co.uk/tfc/SolarPACES.html>

Description: SolarPACES is an International Energy Agency (IEA) programme designed to promote the commercial application of solar thermal power and solar chemical energy systems.

TERI

Name: Tata Energy Research Institute

Address: 9 Jor Bagh, New Delhi 110 003, India
Tel: +91-11-462-2246
Fax: +91-11-462-1770

E-mail: mailbox@teri.ernet.in

Description: TERI is one of India's leading energy research centres. TERI was established in 1974 as a non-profit research institute with funding from the Tata chemical conglomerate. The institute works on energy efficiency issues, depletion of finite energy resources and the environmental implications from the national to global levels. TERI maintains a database on renewable energy, energy conservation and pollution control technologies. The database is intended for energy planners involved in establishing priorities for further technology and research investments and to provide information for industrial entrepreneurs. TERI also publishes three abstracting journals: *Abstracts of Selected Solar Energy Technology (ASSET)*, *TERI Information Digest on Energy (TIDE)* and *TERI Information Service in Global Warming (TISGLOW)*.

TISGLOW

Name: TERI Information Service on Global Warming

Address: Darbari Seth Block, India Habitat Centre, Loth Road, New Delhi 110003, India
Tel: +91-11-460-1550/462-2246
Fax: +91-11-462-1770

E-mail: banilk@teri.ernet.in

Technologies covered: Global environment, energy.

Information contained: Greenhouse gases, conservation of non-renewable energy sources, power generation using fossil fuels. Descriptions, status, cost, environmental performances, efficiency, conservation potential, applicability and remarks on power generation technology options.

TOXLINE

Name: TOXLINE

Address: 8600 Rockville Pike, Bethesda, Maryland 20894, USA
Tel: +1-301-496-1131

Internet address: <http://www.nim.nih.gov/>

Technologies covered: Land and agriculture, hazardous waste.

Information contained: Biomedicine, chemical industry, environmental policy, occupational safety, pesticides, toxicology and waste management.

TROPAG & RURAL

Name: Tropag & Rural

Address: Mauritskade 63, Amsterdam NL 1092 AD, the Netherlands
Tel: +31-20-5688298
Fax: +31-20-6654423

E-mail: ibd@support.nl

Technologies covered: Land and agriculture.

Information contained: Tropical and sub-tropical agriculture including crop production, crop protection, fertilizers and soils, plant nutrition, agricultural techniques, crop processing and storage, animal husbandry, aquaculture, forestry, agro-forestry, farming systems research and agricultural development, environmentally sound agricultural practices.

UNDP

Name: United Nations Development Programme

Address: One United Nations Plaza, New York, New York 10017, USA
Tel: +1-212-906-5000
Fax: +1-212-906-5001
E-mail: jdsouza@undp.org
Internet address: <http://www.undp.org>

Description: UNDP is the world's largest multilateral source of grant funding for development cooperation. It was created in 1965 through a merger of two predecessor programmes for United Nations technical cooperation. UNDP operates a World Wide Web server providing details of all its activities including the Sustainable Development Network. UNDP was given the lead responsibility at the United Nations Conference on Environment and Development (UNCED) for capacity-building to help developing countries formulate economic, social and environmental goals, plans, programmes and policies that lead to sustainable development. In 1989, UNDP initiated the Sustainable Development Network (SDN) project as a tool to help developing countries move toward sustainable development.

UNECE

Name: United Nations Economic Commission for Europe

Address: Palais des Nations, CH-1211 Geneva 10, Switzerland
Tel: +41-22-917-3258
Fax: +41-22-917-0178

Description: UNECE has undertaken a number of important studies related to environmentally sound technologies including the 1994 report on low-waste technologies in engineering industries and an inventory of safety guidelines in biotechnology.

UNIDO

Name: United Nations Industrial Development Organization

Address: Vienna International Centre, P.O. Box 300, A-1400 Vienna, Austria
Tel: +43-1-211-31/3705
Fax: +43-1-211-31/6843
E-mail: ppembleton@unido.org
Internet address:
<http://www.unido.org/start/services/environment/envinfo>

Description: UNIDO is the UN agency responsible for promoting the industrial development of developing countries. The organization operates a number of computerized information systems, networks, services and products under the umbrella of the Industrial and Technological Information Bank (INTIB). One such system deals with energy and environmental information, concentrating on cleaner production in industry. It seeks to provide sustainable, cost-effective mechanisms for industrial environment information targeted to small and medium-sized enterprises (SMEs) in developing countries.

VISITT

Name: Vendor Information System for Innovative Treatment Technologies

Address: Tech. Inno. Office (5102G), USEPA, 401M St. SW, Washington, District of Columbia 20460, USA
Tel: +1-703-603-9903
Fax: +1-703-603-9135
E-mail: ma.carl@epamail.epa.com
Internet address: <http://clu-in.com>

Technologies covered: Solid waste, land, agriculture.

Information contained: Innovative treatment technologies for contaminated site clean-up, groundwater, soil, sludge and sediments. Information provided by 141 US vendors of 231 innovative technologies – bench, pilot and full-scale – to treat groundwater *in situ*, soils, sludges and sediments. Information on each technology includes the vendor name, address and phone number, technology description, highlights and limitations, contamination and matrix treated, project and performance data, available hardware, unit price information, treatability study capabilities and literature references.

WAST

Name: WasteInfo

Address: B7.12 Harwell Laboratory, Harwell OX11 0RA, UK
Tel: +44-1235-433442
Fax: +44-1235-432854

Technologies covered: Solid waste, hazardous waste.

Information contained: All aspects of waste disposal and treatment including landfill, incineration, biological or chemical treatment and separation techniques and waste recycling.

WATERLIT

Name: Water Literature Database

Address: P.O. Box 395, Pretoria 001, Republic of South Africa
Tel: +27-12-841-3362
Fax: +27-12-349-1154
E-mail: sawic@cis.co.za
Internet address:
<http://africa.cis.co.za:81/env/sawic/main.html>

Technologies covered: Water, solid waste.

Information contained: Water supply, water treatment, water pollution control, water quality, hydrology, irrigation, groundwater, wastewater treatment, industrial wastes, waste management, environmental issues, sanitation, development issues, legislation. Includes references selected from journals, books, conference proceedings, reports, pamphlets and theses.

WRPC

Name: Water Re-use Promotion Centre

Address: 3F Randic Akasaka Building, 2-3-4 Akasaka, Minato-ku, Tokyo 107, Japan
Tel: +81-3-3583-9431
Fax: +81-3583-9436

Description: WRPC was set up in 1973 in order to develop and spread water production technologies designed to deal with water recycling, desalinization and environmental problems. The centre seeks to promote the transfer of advanced environmental technologies to countries suffering from water shortages. It publishes a quarterly journal entitled *Zosui Gijutsu* (Water Technology).

WTC

Name: Wastewater Technology Centre

Address: Box 5068, 867 Lakeshore Road, Burlington, Ontario L7R 4L7, Canada
Tel: +1-905-336-4855
Fax: +1-905-336-4765

Description: Established in 1971, the Wastewater Technology Centre (WTC) provides services that address pollution prevention, pollution control, site remediation, residue management need and analysis. The centre promotes responsible environmental stewardship through the development, application and commercialization of effective environmental protection systems and know-how providing cost-effective solutions for industry and government. WTC's pollution control expertise is directed towards the industrial sector involved in process improvements, product recovery, water and wastewater treatment plant optimization and infrastructure management.