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SUBSIDIARY BODY FOR SCIENTIFIC AND TECHNOLOGICAL ADVICE

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Item 7 of the provisional agenda

## TECHNOLOGY INVENTORY AND ASSESSMENT

### Initial report on an inventory and assessment of technologies to mitigate and adapt to climate change

#### Addendum

#### TECHNOLOGY INVENTORY DATABASE

##### Note by the secretariat

1. The secretariat has designed a database to organize information on mitigation and adaptation technologies received from Parties, intergovernmental organizations, and other sources. It contains technical reports, journal articles, books, and reports on conferences and workshops. Information is also available on institutions, information centres, databases, and web sites.
2. This addendum has been arranged according to the contributing entity, namely, contributing Parties, specialized agencies and other bodies of the United Nations system, intergovernmental organizations, and other institutions. (Information on official institutions that has been obtained from a source other than a contribution from a Party, is currently included in "other institutions".) The structure includes the report title, organization, abstract, types of technologies, intended users, World Wide Web address access, and price. The database is still in a preliminary stage and can be expanded, modified, and adapted to specific needs. In the future, records could be sorted by different categories and searches could be undertaken.
3. The secretariat plans to revise its technology database, improve the presentation and provide an updated compilation (see also FCCC/SBI/1996/4).

Title	Organization	Information	Technologies	Users	Access	Remarks
<b>Contributing Party</b>						
Argentina Environment and Technology presented September 1995	Permanent Mission of Argentina to the United Nations, Geneva 10, route de l'Aéroport Case postale 292 CH-1215 Geneva 15 Switzerland  Presentation by Ms. Monica Servant, Energy Undersecretariat, Energy & Communications Secretariat	Article / leaflet / booklet with Policies and measures, National environmental laws	Energy technologies	Policy and decision makers  National Argentina	Unrestricted	A description of the Argentinian energy sector, historical analysis of the sector's behaviour, environmental regulations, rational use of energy, and renewable energy.
Armenia Know-how presented by "AMROTS" Scientific Productive Incorporation	Ministry of the Environment and Mineral Resources 35 Moskovian Street 375002 Yerevan Armenia	Article / leaflet / booklet with Status of R & D	Renewable - photovoltaic Energy storage	Engineers Policy and decision makers	Unrestricted	This document reports on silicon photodetector, supercapacitor and accumulator, and chemical sources of heat and electricity developed and examined by the Scientific Productive Incorporation "AMROTS".
Australia Australian Energy Management News, National Energy Awards 1995  1995	Australian Government Publishing Service Marketing Section GPO Box 84 Canberra ACT 2601 Australia	Article / leaflet / booklet with Company profiles and capabilities	Energy technologies	General public  National Australia	Unrestricted	Once a year the National Energy Award is presented in recognition of outstanding achievement in the efficient production, conversion and use of energy. This publication presents the winners 1995.
Final Report - Energy Production  November 1991	A62162 Cat No 95 1290 x Australian Government Publishing Service Marketing Section GPO Box 84 Canberra ACT 2601 Australia  Ecologically Sustainable Development Working Groups	Summary report / book with Status of R & D, Policies and measures	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Waste management	Policy and decision makers  National Australia	Unrestricted	The Working Group examined individual options for reducing greenhouse gas emissions from the energy production and distribution sector. The publication contains a description, information on implementation and effectiveness.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Natural Gas Vehicles in Australia	Australian Government Publishing Service Marketing Section GPO Box 84 Canberra ACT 2601 Australia	Article / leaflet / booklet with Demonstration objects	Fossil fuel - gas Transport - road	General public National Australia	Unrestricted	This publication sets out to provide information on the development of natural gas vehicles to date and work currently under way. In this way, it will help give Australians a better appreciation of the current status and future prospects of this technology.
November 1993						
ISBN 0-644-32500-3						
An analysis of data from the Enterprise Energy Audit Programme	Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia	Summary report / book with Programme reports	Energy technologies	Policy and decision makers National Australia	Unrestricted	The Australian Government launched an Energy Audit Programme 1991. Energy audits conducted by energy auditing organizations identify the types and quantities of energy used by firms and the scope for more efficient energy use. This study estimates the average potential energy saving and the average potential returns to firms undertaking recommended energy savings investments.
Third Report October 1995	prepared by The Australian Bureau of Agricultural and Resource Economics ABARE project 1174					
Coal and Climate Change, Opportunities for Australian Industry to Contribute to Reducing International Greenhouse Gas Emissions	Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia prepared by Economic and Energy Analysis Pty Ltd	Summary report / book with Status of R & D, Policies and measures, Case studies	Fossil fuel - coal	Policy and decision makers National Australia	Unrestricted	
October 1994						
Energy Performance Standards and Energy Labelling for Industrial and Commercial Equipment	Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia prepared by Energetics Pty Ltd and George Milkenfeld & Associates Ref: J305	Summary report / book with Policies and measures	Energy technologies	Policy and decision makers National Australia	Unrestricted	The aim of this study was to establish whether there is a case for initiating a programme of energy labelling and/or energy standards for industrial and commercial equipment in Australia. The report contains detailed information on a range of products and technologies which lend themselves to either minimum energy standards, information programmes, or both, and reviews the procedures by which the recommended actions could be implemented.
Final Report April 1994						

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Energy Use in Agriculture March 1994	Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia	Summary report / book with Methods and practices	Agricultural and forestry practices	Policy and decision makers National Australia	Unrestricted	
Metal Industry Sector Project	AUC 439 prepared by Hassall and Associates Pty Ltd Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia	Summary report / book with Programme report, Status of R & D	Industry - iron/steel Industry - metals	Policy and decision makers Engineers National Australia	Unrestricted	The five industry sectors covered by this project - die casting, ferrous foundry, non ferrous foundry, hot forging and power metallurgy - are briefly described; common energy wasting practices, common energy inefficiencies in the equipment and new technologies and methods are listed.
Study of Energy Use in the Independent Food Retailing Industry, Volume 1 Final Report June 1995	prepared by GASCOR Energy Management Centre Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia prepared by SRC International Pty Ltd	Summary report / book	Industry - other	Policy and decision makers National Australia	Unrestricted	This study aims to identify energy use patterns and energy cost saving opportunities in the Australian food retailing industry, to determine the barriers to attaining energy efficiency and to provide guidance to the industry in the setting up of energy management programmes.
The Australian Renewable Energy Industry, A guide to Australian manufacturers and exporters of renewable energy technologies and a selection of case studies 1993	Department of Primary Industries and Energy GPO Box 858 Canberra ACT 2601 Australia ISBN 0644 29021 8	Summary report / book with Company profiles and capabilities, Case studies	Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - hydropower Renewable - biomass Renewable - other	Engineers Businesses Policy and decision makers National Australia	Unrestricted	A guide to state-of-the-art renewable energy technologies commercially available in Australia and to Australian companies manufacturing, exporting or significantly contributing in a value-adding sense to renewable energy systems or components.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Norway Air Bottoming Cycle	Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Article / leaflet / booklet with Status of R & D, Programme report	Fossil fuel - gas	Engineers Scientists	Unrestricted	This report by Kvaerner Energy describes their further development of the Air Bottoming Cycle. It is a new gas turbine technology with considerable economic and environmental potential, given the extensive use of gas turbines in onshore and offshore power production.
Disposal of CO <sub>2</sub> in the Ocean	Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Article / leaflet / booklet with Status of R & D	Direct CO <sub>2</sub> removal	Engineers Scientists	Unrestricted	"The Bergen CO <sub>2</sub> Group" was established to develop and implement a concept of CO <sub>2</sub> ocean disposal. The leaflet explains the process and the project.
Emissions of CF- Gases from Electrolytic Reduction Processes	The Bergen CO <sub>2</sub> Group Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Article / leaflet / booklet with Programme reports	Industry - metals	Policy and decision makers Engineers National Norway	Unrestricted	The goals of the programme (1992-1994) were to establish a method for metering CF gases formed in aluminium production, to quantify Hydro Aluminium's emissions of CF gases and to understand the mechanisms forming these gases. Programme results and conclusions are shown in this publication.
1994 Environmental Costs of Materials in Waste	EMS 28934 Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Summary report / book with Status of R & D, Cost-effectiveness study	Waste management	Policy and decision makers National Norway	Unrestricted	The report estimates environmental costs in Norway of municipal waste related to leachate and gas generation, and to polluted ash. It examines the materials paper, plastic, metals, wood waste and glass, and estimates separately the cost of waste on landfills with and without gas collection and incinerated waste.
1995 Environmental Costs of Waste Treatment	Commissioned by the research programme MILFOR ECON-report no. 338/95 Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Summary report / book with Cost-effectiveness study	Waste management	Policy and decision makers	Unrestricted	The report examines methods for estimating negative external costs of waste treatment and evaluates these costs. Due to large emissions, the greenhouse gases carbon dioxide and methane seem to have the largest impact on the total external costs, followed by sulphur dioxide and nitrogen oxides.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Separation of CO <sub>2</sub> from Exhaust, Reduced Emissions from Gas Turbines	Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Article / leaflet / booklet with Programme reports	Fossil fuel - gas Direct CO <sub>2</sub> removal	Policy and decision makers Engineers Scientists	Unrestricted	A report on the project to develop a process of CO <sub>2</sub> removal in offshore gas turbines by heat recovery and power generation, CO <sub>2</sub> absorption and stripping and CO <sub>2</sub> gas compressing and injection under the ground.
Sorting out Organics from the Waste, Environmental Consequences	carried out by Kvaerner Engineering supported by the State Pollution Authority Ministry of Environment Myntgaten 2 P.O. Box 8013 Dep. N-0030 Oslo 1 Norway	Summary report / book with Policies and measures	Waste management	Policy and decision makers National Norway	Unrestricted	This study estimates the effects in Norway of sorting out organic waste for composting: 31 per cent reduction of CO <sub>2</sub> -equivalent greenhouse gas emissions from municipal waste management.
1995	Report 95:11 ISBN 82-7655-295-1					
<i>Philippines</i>						
CO <sub>2</sub> Mitigation Study conducted 1994	Permanent Mission of the Philippines to the United Nations Office at Geneva 47. avenue Blanc CH-1202 Geneva Switzerland	Summary report / book with Policies and measures. Status of R & D	Energy technologies	Policy and decision makers National Philippines		This study provides an initial list of scenarios to be considered for CO <sub>2</sub> mitigation in the Philippines with the focus on a technology-oriented classification of technically feasible scenarios in the energy sector.
Philippine Energy Plan (1994-2010)	Department of Energy Permanent Mission of the Philippines to the United Nations Office at Geneva 47. avenue Blanc CH-1202 Geneva Switzerland	Summary report / book with Policies and measures. Status of R & D	Energy technologies	Policy and decision makers National Philippines		The recent long-term power planning study for the Philippines has designed practical and implementable demand side management programmes.
1994						
<i>Switzerland</i>						
Science and Technology from Switzerland	Swiss Office for Trade Promotion Avenue de l'Avant-Poste 4 B.P. 1128 CH-1001 Lausanne Switzerland	Summary report / book with Status of R & D	Agricultural and forestry practices Energy technologies	Policy and decision makers Businesses National Switzerland	Unrestricted	This publication describes research and new products from Switzerland including research on the energy sector and in agriculture.
January 1995						

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<b>Specialized agencies and other bodies of the United Nations system</b>						
<i>Economic Commission for Europe</i>						
Fluidized Bed Combustion and Flue Gas Emissions Prospects and Role May 1992	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland	Article / leaflet / booklet with Status of R & D	Fossil fuel - coal Waste management Industry - pollution control	Policy and decision makers	Unrestricted	The study reviews the state of the art in commercial fluidized bed combustion (FBC) techniques, with particular attention to the use of FBC as a low emission combustion technique for coal, low grade and waste fuels.
Report 110 1992						
Implementation Programme on Accelerating Clean Coal Technology (IMPACT)	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland	Article / leaflet / booklet with Programme reports	Fossil fuel - coal	Policy and decision makers Regional Eastern Europe	Unrestricted	The purpose of the programme is to promote the implementation of economic "clean coal technologies" by determining how to access available technologies, learning to structure projects, negotiating with potential Western partner organizations and training.
April 1994	ENERGY/WP.1/GE.3/6/ Add.1					
Option for Reducing Emissions of Ammonia from Agricultural Sources June 1995	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland	Article / leaflet / booklet with Status of R & D	Agricultural and forestry practices	Policy and decision makers	Restricted	Restricted to governments taking part in the Convention on Long-term Transboundary Air Pollution.
Doc. No: EB.AIR/WG.5/R.54						
Outcome of the Workshop on Recovery of Coal-Bed Methane, Ukraine, 15-17 June 1993	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland	Conference / workshop report with Status of R & D	Fossil fuel - coal	Policy and decision makers Regional Eastern Europe	Unrestricted	The purpose of the workshop was to provide assistance on technological, economic, institutional and social aspects related to recovery and end-use of coal-bed methane resources.
July 1993	ENERGY/WP.1/R.30					
Report of the Workshop on the Use of Solar Energy 31 July - 4 Aug. 1995, Bet Berl, Israel	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland	Conference / workshop report with Policies and measures	Renewable - solar thermal Renewable - photovoltaic	Policy and decision makers Scientists Engineers Global	Restricted	The report provides information on mature solar energy technologies.
Doc. No: ENERGY/R.122						

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Workshop on Development of Clean Small-Size Boilers for Industrial, Household and Farming Sectors, Poland, 5-7 April 1995	Economic Commission for Europe Palais des Nations CH-1211 Geneva 10 Switzerland ENERGY/M.P. 1/R.43	Conference / workshop report with Status of R & D	Fossil fuel - coal	Policy and decision makers  Regional Eastern Europe	Unrestricted	A state-of-the-art review of coal combustion technologies for industrial and household markets.
June 1995						
<i>Food and Agriculture Organization of the United Nations (FAO)</i>						
A New Approach to Energy Planning for Sustainable Development	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book	Unrestricted			
Bioenergy for Development: Technical and Environmental Dimensions	FAO Environment and Energy Paper No. 12, 1992 Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book with Status of R & D	Renewable - biomass Waste management Agricultural and forestry practices	Unrestricted		
1994	Authors: J.Woods and D.O. Hall, Kings College London FAO Environment and Energy Paper No. 13, 1994					
Biogas Processes for Sustainable Development	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book with Status of R & D	Renewable - biomass Waste management Agricultural and forestry practices	Unrestricted		
1992	FAO Agricultural Services Bulletin No. 95, 1992					



Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Energizacion para un Desarrollo Rural Sostenible / Energy for Sustainable Rural Development	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy				Unrestricted	
1990	Enfoque Metodologico FAO/SCYT/INTA					
Energy Consumption and Input-Output Relations of Field Operations	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book with Status of R & D, Methods and practices	Agricultural and forestry practices	Global	Unrestricted	
1989	REUR Technical Series No. 10, 1989					
Energy for Sustainable Rural Development Projects	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book		Global	Unrestricted	
1991	Training Materials for Agricultural Planning - 23/1, FAO, 1991, and Case Studies 23/2 FAO, 1991					
Global Climatic Change and Agricultural Production: Direct and Indirect Effects of Changing Hydrological, Soil and Plant Physiological Processes	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy joint publication FAO / John Wiley & Sons Ltd.	Summary report / book with Methods and Status of R & D	Agricultural and forestry practices	Policy and decision makers Global	Unrestricted	The proceedings present the highlights from an expert consultation organized by FAO with UNEP support.
due April 1996						

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Solar Drying of Fish and Paddy	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book with Methods and practices	Agricultural and forestry practices	Global	Unrestricted	
1989	FAO Environment and Energy Paper No.10, 1989					
The Briquetting of Agricultural Waste for Fuel	Food and Agriculture Organization of the United Nations Via delle Terme di Caracalla I-00100 Rome Italy	Summary report / book with Methods and practices	Waste management Agricultural and forestry practices	Global	Unrestricted	
1990	FAO Environment and Energy Paper No. 11, 1990					
<i>Intergovernmental Panel on Climate Change (IPCC)</i>						
Inventory of Technologies, Methods, and Practices for Reducing Emissions of Greenhouse Gases	Intergovernmental Panel on Climate Change IPCC Secretariat c/o WMO 41, av. G. Motta, CP 2300 CH-1211 Geneva 2 Switzerland	Summary report / book with Multiple technology assessment. Status of R & D	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Energy storage transport Buildings / habitat Waste management Agricultural and forestry practices Industry - iron/steel	Policy and decision makers Global	Unrestricted	The inventory provides descriptions of technologies to limit or reduce greenhouse gas emissions in the energy, transport, buildings, manufacturing, Waste management and agricultural sectors.
Final Version September 1995	IPCC Second Assessment Report, Working Group II, chapter 28					
<i>International Atomic Energy Agency (IAEA)</i>						
Databases and Methodologies for Comparative Assessment of Different Energy Sources for Electricity Generation (DECADES)	International Atomic Energy Agency P.O. Box 100 A-1400 Vienna Austria	Information system for PC with Status of R & D, Methods and Case studies	Fossil fuels Renewables Nuclear Fuel cells	Policy and decision makers Engineers Scientists Global	Unrestricted	This inter-agency joint project of the EC, ESCAP, IAEA, IBRD/World Bank, OECD/NEA, OPEC, UNIDO, WMO has, as its overall objective, to improve the abilities for comparative assessment in the process of planning and decision making for the electricity sector. It provides a Reference Technology Database (RTDB), a software package for electricity system planning (DECPAC) and case studies to illustrate their use.
complete system available early 1996	DECADES Project Secretariat					

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Lowering Greenhouse Gas Emissions: The Possible Role of Nuclear Power Generation presented 20-22 June 1995	International Atomic Energy Agency P.O. Box 100 A-1400 Vienna Austria  Authors: E. Bertel and I.F. Vladu	Article / leaflet / booklet with Status of R & D	Nuclear	Policy and decision makers  Global	Unrestricted	This paper presents the results of an IAEA Workshop on Full-Energy-Chain (FENCH) Greenhouse Gas Emission Factors, held in Beijing, China, 4-7 October 1994. It compares different FENCH studies.
The IAEA Investigations into Studies on Comparative Assessment of Full-Energy-Chain Emissions of Greenhouse Gases from Different Energy Sources: an Update presented 26-28 September 1995	International Atomic Energy Agency P.O. Box 100 A-1400 Vienna Austria  Author: J.F. van de Vate	Article / leaflet / booklet with Status of R & D	Fossil fuel - gas Fossil fuel - oil Fossil fuel - coal Renewable - photovoltaic Renewable - wind Renewable - hydropower Renewable - biomass	Policy and decision makers Engineers Scientists  Global	Unrestricted	This article compares Full Energy Chain (FENCH) analysis studies.
<i>International Civil Aviation Organization</i>						
Report of Working Groups 2 and 3 on Matters Relating to Engine Emissions November 1995	International Civil Aviation Organization Place de l'Aviation Internationale 1000 Sherbrooke Street West Montreal QC H3A 2R2 Canada  prepared for The Committee on Aviation Environmental Protection (CAEP) Third Meeting, Montreal, 5-15 December 1995	Article / leaflet / booklet with Policies and measures, Status of R & D	Transport - air/water	Policy and decision makers  Global	Unrestricted	This publication reports on the findings on emissions around airports, emissions-reduction technology, certification and emissions inventory.
<i>United Nations Conference on Trade and Development (UNCTAD)</i>						
Environmentally Sound Technology for Sustainable Development Spring 1992	United Nations Conference on Trade and Development Palais des Nations CH-1211 Geneva 10 Switzerland	Summary report / book with Status of R & D	Environmentally sound technologies	Policy and decision makers  Global	Unrestricted	The second issue of the Advanced Technology Assessment System.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Science and Technology for Integrated Land Management March 1995	United Nations Conference on Trade and Development Palais des Nations CH-1211 Geneva 10 Switzerland	Article / leaflet / booklet with Policies and measures, Status of R & D, Methods and practices	Agricultural and forestry practices	Policy and decision makers Global	Unrestricted	An account is given of the role of science and technology in the support of information needs, evaluation of options, applications for the solution of specific problems and infrastructural capabilities, as well as providing the foundation for an integrated approach to land use planning management. Availability and obstacles are described.
<i>United Nations Development Programme (UNDP)</i>						
Implementation Programme: Reduction of Environmental Impact from Coal in Central/Eastern Europe draft report September 1995	United Nations Development Programme One United Nations Plaza New York NY 10017 United States of America Project No: RER/94/G01/54	Article / leaflet / booklet with Programme reports, Policies and measures	Fossil fuel - coal	Policy and decision makers Regional Eastern Europe	Unrestricted	
<i>United Nations Educational, Scientific and Cultural Organization (UNESCO)</i>						
International Workshop on Integrated Coastal Zone Management (ICZM), Karachi, Pakistan 10-14 October 1994	Intergovernmental Oceanographic Commission UNESCO 1, rue Miollis F-75732 Paris Cedex 15 France Workshop Report No. 114	Conference / workshop report with Methods and practices		Policy and decision makers Global	Unrestricted	Experts in land use and planning, fisheries, agriculture, coastal industries, tourism, port and shipping reviewed the basic principles of integrated coastal zone management and formulated guidelines for managing strategies, recommended measures for monitoring, capacity building and made institutional arrangements.
1994 IOC Group of Experts on the Global Sea Level Observing System (GLOSS), Bordeaux, France, 31 Jan - 3 Feb 1995 March 1995	Intergovernmental Oceanographic Commission UNESCO 1, rue Miollis F-75732 Paris Cedex 15 France IOC/GE-GLOSS-IV/3	Conference / workshop report		Policy and decision makers Global	Unrestricted	A GLOSS Handbook is also available.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
United Nations Environment Programme (UNEP) Cleaner Production Worldwide 1993	UNEP Industry and Environment Programme Activity Centre 39-43, quai André Citroën Tour Mirabeau F-75739 Paris Cedex 15 France  Sales No 91-III-D2 ISBN 92-807-1369-8	Article / leaflet / booklet with Case studies	Industry - chemicals Industry - iron/steel Industry - metals Industry - paper Industry - pollution control Industry - other	Policy and decision makers Engineers Businesses  Global	Unrestricted	This booklet describes case studies of cleaner production processes with environmental benefits and lower costs.
OzoneAction Information Clearinghouse updated twice a year	UNEP Industry and Environment Programme Activity Centre 39-43, quai André Citroën Tour Mirabeau F-75739 Paris Cedex 15 France	Information system for PC with Status of R & D Policies and measures, National environmental laws, Research institutions, Other information sources		Policy and decision makers Engineers Scientists  Global	Unrestricted	This clearinghouse is a self-contained, compact data-base system devoted exclusively to ozone protection issues. It contains technical and policy publications, contacts, regulations, projects, chemical data and suppliers of technology.
Survey of Information Systems Related to Environmentally Sound Technologies Interim Report	United Nations Environment Programme P.O. Box 30552 Nairobi Kenya  Linda Spencer, Acting Director tel: (254-2) 623274 fax: (254-2) 624269 e-mail: spencerl@unep.no	Summary report / book with Other information sources	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Energy storage Transport Buildings / habitat Waste management Agricultural and forestry practices industry Adaptation Direct CO <sub>2</sub> removal future technologies	Policy and decision makers Engineers Scientists Businesses  Global	Unrestricted	Information on 51 information systems related to environmentally sound technologies.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
United Nations Industrial Development Organization (UNIDO) in Industry, The Energy and Environment Series, No.5, Industrial and Technological Information Bank (INTIB) 1994	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Summary report / book with bibliographical citations	Fossil fuels Renewable - biomass Transport - road industry	Policy and decision makers Engineers Global	Unrestricted US\$100 (US\$66 for developing countries)	Contains bibliographical information and abstracts of 720 publications; also available in the Energy and Environment Series: Energy Conservation in Industry, 1992; Effluent Control in Industry, 1993; Hazardous Waste Management in Industry, 1994; Industrial Safety, 1994.
Handy Manual, Glass Industry, Output of a Seminar on Energy Conservation in Glass Industry 1993	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Article / leaflet / booklet with Status of R & D	Industry - minerals	Engineers Policy and decision makers Global	Unrestricted	The Handy Manual prepared by UNIDO in cooperation with the Energy Conservation Center (ECC) of Japan is in particular designed for plant-level engineers and operators in developing countries as a help to improve energy efficiency in the production process.
Handy Manual, Iron & Steel, Output of a Seminar on Energy Conservation in Iron and Steel Industry 1993	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Article / leaflet / booklet with Status of R & D	Industry - iron/steel	Engineers Policy and decision makers Global	Unrestricted	The Handy Manual prepared by UNIDO in cooperation with the Energy Conservation Center (ECC) of Japan is in particular designed for plant-level engineers and operators in developing countries as a help to improve energy efficiency in the production process.
Handy Manual, Paper & Pulp, Output of a Seminar on Energy Conservation in Paper and Pulp Industry 1993	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Article / leaflet / booklet with Status of R & D	Industry - paper	Engineers Policy and decision makers Global	Unrestricted	The Handy Manual prepared by UNIDO in cooperation with the Energy Conservation Center (ECC) of Japan is in particular designed for plant-level engineers and operators in developing countries as a help to improve energy efficiency in the production process.
Handy Manual, Textile Industry, Output of a Seminar on Energy Conservation in Textile Industry 1992	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Article / leaflet / booklet with Status of R & D	Industry - other	Engineers Policy and decision makers Global	Unrestricted	The Handy Manual prepared by UNIDO in cooperation with the Energy Conservation Center (ECC) of Japan is in particular designed for plant-level engineers and operators in developing countries as a help to improve energy efficiency in the production process.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Industrial and Technological Information Bank (INTIB)	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Information system - mail queries - on-line with Status of R & D, Company profiles and capabilities, Research institutions, Other information sources		Businesses Engineers  Global	Unrestricted	INTIB offers a combination of on- and off-line information, access to data bases and publications, compiled and repackaged information, technical assistance to strengthen industrial and technological information and answers to enquiries from developing countries. The Energy and Environment information system (EIS) is being developed within this framework.
Industry and Environment: A Guide to Sources of Information  1991	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria  Verlag Dr. Gruieb Nachf., Oelbergweg 8, D-7801 Bollschweil, Germany	Summary report / book with Other information sources	Industry - minerals Industry - chemicals Industry - iron/steel Industry - metals Industry - paper Industry - pollution control Industry - other	Policy and decision makers Engineers Scientists Businesses General public  Global	Unrestricted  DM 125	This 260-page reference work provides detailed advice on the use of information sources covering industrial pollution issues, equipment suppliers, consulting companies, environment-related R&D, technical services and institutions.
Introductory Guidebook of Cleaner, Safer and Energy-Saving Technologies  July 1992	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria  IPCT.163(SPEC.)	Summary report / book with Status of R & D	Industry - minerals Industry - iron/steel Industry - paper	Policy and decision makers Engineers  Global	Unrestricted	This publication reviews energy saving technologies in steel, cement, pulp and paper industry.
Recycling '91 INECA Journal, Volume 2, Number 1  1991	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria	Summary report / book with bibliographical citations	Transport - road Waste management industry	Policy and decision makers Engineers  Global	Unrestricted  US\$ 100 (US\$ 66 for developing countries)	Contains bibliographical information and abstracts of 1050 publications.
UNIDO Industry and Energy, Improving Industrial Energy Efficiency and Reducing Greenhouse Gas Emissions  November 1995	United Nations Industrial Development Organization P.O. Box 300 A-1400 Vienna Austria  Environment and Energy Branch	Article / leaflet / booklet with Case studies	Fossil fuel - coal Renewable - wind Renewable - biomass Industry - minerals Industry - other	Policy and decision makers  Global	Unrestricted	This brochure provides brief information on eight case studies in China, Africa, Egypt, Czech Republic, South East Asia and Kenya.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<i>World Bank</i>						
Renewable Energy technologies	World Bank 1818 H Street, NW Washington DC 20433	Summary report / book with Multiple technology assessment.	Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - biomass	Policy and decision makers Global	Unrestricted	This publication examines the evidence on the historical and projected costs of selected renewable energy technologies on a common basis and assesses developments based on more than 50 studies.
Status and Cost of Selected Technologies	World Bank Technical Paper Number 240 Energy Series	Cost-effectiveness study,				
<i>World Health Organization (WHO)</i>						
Report of the Panel on Energy 1992	World Health Organization 20, Avenue Appia CH-1211 Geneva 27 Switzerland  Doc. No: WHO/EHE/92.3	Summary report / book with Policies and measures	Fossil fuels Renewables Nuclear	Policy and decision makers Global	Unrestricted	The report describes the potential environmental health impacts associated with each type of energy source, what can be done to prevent or mitigate adverse effects, and likely trends in energy production and use over the next two decades. Recommendations are made for research, and for strategies to implement measures to deal with energy-related environmental health issues.
<i>World Tourism Organization</i>						
Agenda 21 for the Travel & Tourism Industry Towards Environmentally Sustainable Development	World Tourism Organization Capitan Haya 42 E-28020 Madrid Spain	Summary report / book with Programme reports, Case studies	Transport - air/water Transport - train Transport - road Buildings / habitat Waste management	Policy and decision makers Businesses General public  Global	Unrestricted	This document translates Agenda 21 into a programme of action for travel and tourism.
<i>Intergovernmental organizations</i>						
<i>Asian Development Bank (ADB)</i>						
A Study of Least-Cost Greenhouse Gas Abatement Strategy Project (ALGAS)	Asian Development Bank 6 ADB Avenue 1501 Mandaluyong City 1099 Manila Philippines	Summary report / book with Policies and measures		Policy and decision makers Regional Asia and Pacific	Unrestricted	The overall objective of the ALGAS project is to help reduce the emissions of greenhouse gases from the Asia region by developing and improving the national and regional capacities to prepare baseline inventories, to identify, formulate, and analyse GHG abatement initiatives, and to deploy and implement national and regional least-cost GHG abatement strategies.
Climate Change in Asia July 1993	Asian Development Bank 6 ADB Avenue 1501 Mandaluyong City 1099 Manila Philippines	Summary report / book with Case studies		Policy and decision makers Regional Asia and Pacific	Unrestricted	The study investigated the implications of climate change for coastal zones, agriculture, forestry, water resources, energy and other vital sectors in eight countries, namely Pakistan, India, Sri Lanka, Bangladesh, Indonesia, Malaysia, Viet Nam and the Philippines.



Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
National Response Strategy for Global Climate Change: People's Republic of China	Asian Development Bank 6 ADB Avenue 1501 Mandaluyong City 1099 Manila Philippines	Summary report / book with Policies and measures		Policy and decision makers  National China	Unrestricted	The report includes estimates of current and future emissions, measures to reduce future emissions and their costs, and a special report to project energy demand under various scenarios and the underlying factors.
September 1994						
Preparation of a National Strategy on Global Climate Change: Thailand	Asian Development Bank 6 ADB Avenue 1501 Mandaluyong City 1099 Manila Philippines	Summary report / book with Policies and measures		Policy and decision makers  National  Thailand	Unrestricted	This report places emphasis on inventory work and related policy development to help Thailand to meet its international obligations under the Convention.
June 1993						
<i>International Energy Agency (IEA)</i>						
Centre for the Analysis and Dissemination of Demonstrated Energy technologies (CADET) - Energy Efficiency	CADET Centre for Energy Efficiency P.O. Box 17 NL-6130 AA Sittard Netherlands <a href="http://caddet-ee.org">http://caddet-ee.org</a>	Institution Information system - mail queries - for PC with Demonstration objects, Case studies, Status of R & D	Energy transfer Energy storage Transport - air/water Transport - train Transport - road Buildings / habitat Industry	Policy and decision makers Engineers Scientists Businesses General public  Global	Unrestricted	Within the framework of the IEA, the CADEET Centre provides information on objects demonstrating energy efficiency through the register of all demonstration projects on diskette, technical brochures, analysis reports on specific technologies and newsletters.
Centre for the Analysis and Dissemination of Demonstrated Energy technologies (CADET) - Renewables	CADET Centre for Renewable Energy ETSU B153 Harwell Oxfordshire OX11 0RA United Kingdom <a href="http://www.caddet.co.uk/re/">http://www.caddet.co.uk/re/</a>	Institution Information system - mail queries - for PC with Demonstration objects, Case studies, Status of R & D	Renewables Transport Buildings / habitat Waste management Agricultural and forestry practices Industry	Policy and decision makers Engineers Scientists Businesses General public  Global	Unrestricted  non-member countries: Register: £100 Brochures:£1 Newsletter: £15	Within the framework of the IEA, the CADEET Centre provides information on objects demonstrating renewable energy through the register of all demonstration projects on diskette, technical brochures, the Renewable Newsletter, analysis reports, reviews and expert meetings.
Greenhouse Gas Technology Information Exchange (GREENTIE)	Greenhouse Gas Technology Information Exchange Sveniboldstraat 21 P.O. Box 17 NL-6130 AE Sittard Netherlands  Greentie Liaison Groups (GLOs) in member countries <a href="http://www.greentie.org/greentie/">http://www.greentie.org/greentie/</a>	Institution Information system - mail queries - on-line - for PC Web site with Research institutions, Other information sources, Company profiles and capabilities, Status of R & D	Fossil fuels Renewables Transport Buildings / habitat Waste management Agricultural and forestry practices Industry	Policy and decision makers Engineers Scientists Businesses  Global	Unrestricted	GREENTIE, established by the IEA and OECD, can be accessed through a network of Liaison Groups (GLGs). Through an enquiry service, information on technology options and suppliers, a general reader, the directory of 3000 institutions as CD-ROM or on-line and newsletters are made available.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Greenhouse Gas R&D Information Centre	IEA Greenhouse Gas R&D Programme CRE, Stoke Orchard, Cheltenham Gloucestershire GL52 4RZ UK	Institution with Status of R & D, Cost-effectiveness study, Policies and measures	Fossil fuel - gas Fossil fuel - oil Fossil fuel - coal Direct CO <sub>2</sub> removal	Policy and decision makers Businesses Engineers Scientists	Unrestricted	The programme has been set up to evaluate technologies for the mitigation of GHGs derived from the use of fossil fuels, and to disseminate findings and develop targets for appropriate research, development and demonstration.
IEA Heat Pump Centre	IEA Heat Pump Centre P.O. Box 17 6130 AA Sittard Netherlands Jos Bourma <a href="http://www.heatpumpcentre.org">http://www.heatpumpcentre.org</a>	Institution Information system - mail queries - on-line Web site with Status of R & D, Programme reports, Bibliographical citations, workshops / training	Renewable - other Buildings / habitat	Engineers Scientists	Unrestricted	The Centre provides newsletters, analysis reports, workshops, an enquiry service and programme library (on-line early 1996) with bibliographic information on all 1000 papers, articles and documents published by the Centre. Documents have to be ordered. The directory is also available in hard copy.
IEA International Centre for Gas Technology Information	IEA International Centre for Gas Technology Information Dr. Neergaards Vej 5a DK-2970 Horsholm Denmark Mr. A. H. Pedersen <a href="http://www.gasinfo.dk/gasinfo">http://www.gasinfo.dk/gasinfo</a>	Institution Information system - on-line with Status of R & D	Fossil fuel - gas	Policy and decision makers Engineers Scientists Businesses	Unrestricted	
Energy Technology Data Exchange (ETDE)	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ETDE Operating Agent <a href="http://www.etde.org">http://www.etde.org</a>	Information system - on-line with Other information sources	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Energy storage Industry Water supply / sanitation	Scientists Global	restricted to anyone within an ETDE member country through agents in that country	ETDE contains the world's largest collection of energy literature, with more than 3 million abstracted and indexed records, of which 12 per cent are focused primarily on environmentally sound technology areas. The ETDE itself does not publish reports and cannot be accessed directly. Member countries contribute and obtain entries to produce their own products to meet their specialized needs, e.g. Germany provides an on-line "Energy" database product and the UK the "ETDE Energy Database CD-ROM".
Solar Power and Chemical Energy Systems SolarPACES Annual Report 1994 May 1995	IEA SolarPACES Secretariat DLR/MD-PSA Apartado 649 E-04080 Almeria Spain	Summary report / book with Status of R & D, Demonstration objects, Programme reports	Renewable - solar thermal	Engineers Scientists General public	Unrestricted	Includes overview of solar thermal electricity and solar chemistry.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Solar Thermal Power and Solar Chemical Systems	IEA SolarPACES Secretariat DLR/MD-PSA Apartado 649 E-04080 Almeria Spain	Article / leaflet / booklet with Status of R & D, Demonstration objects, Research institutions, Programme reports	Renewable - solar thermal	Scientists Engineers General public	Unrestricted	
September 1994	ISBN - 0 - 9524159 - 0 - 3					
IEA / OECD Scoping Study on Energy and Environmental Technologies to Respond to Global Climate Change Concerns	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-65-14224-X	Summary report / book with Multiple technology assessment, Status of R & D	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Energy storage Transport Buildings / habitat Waste management Agricultural and forestry practices Industry Direct CO <sub>2</sub> removal Future technologies	Policy and decision makers  Global Western Europe and Others	Unrestricted  US\$ 79	The aim of the study is to assist Governments and international organizations. It is intended to identify where international cooperation can enhance the development of longer-term energy and environmental technology options that are still "pre-commercial".
1994						
Development and Deployment of Technologies to Respond to Global Climate Change Concerns (Paris) - 21-22 November 1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14393-9	Conference / workshop report with Policies and measures	Environmentally sound technologies	Policy and decision makers  Global	Unrestricted	The proceedings incorporate the keynote presentations of a high level meeting held as a follow-up activity to the "IEA / OECD Scoping Study on Energy and Environmental Technologies to Respond to Global Climate Change Concerns". Overviews of the discussions are included. Topics: strategies to address technology policy issues, as well as ways to encourage enhanced international collaboration.
published: 17.11.95						
Technology Responses to Global Environmental Challenges (Kyoto) - 6 - 8 Nov. 1991	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14072	Conference / workshop report with Status of R & D, Policies and measures	Environmentally sound technologies	Policy and decision makers  Global	Unrestricted  US\$ 100	This volume of proceedings shows that sustained efforts must be undertaken by governments and the private sector to achieve a range of technological breakthroughs in the next several decades. The papers presented provide a comprehensive overview of the status and prospects of innovative technologies and R&D programmes in various technology sectors.
published: 6.4.94						

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Energy technologies to Reduce CO <sub>2</sub> Emissions in Europe: Prospects, Competition, Synergy (Petten - 11- 12 April 1994)	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Conference / workshop report with Status of R & D	Energy technologies	Policy and decision makers  Regional Western Europe and Others	Unrestricted  US\$ 51	This volume explores the prospects in Europe for a wide range of new and improved Energy technologies, and examines the interrelationship between those technologies over the longer term, within a scenario of drastically reduced CO <sub>2</sub> emissions.
published 5.1.1995						
Energy Efficiency Update  published once every four months	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France  Alain Bilot	Article / leaflet / booklet with Status of R & D, Policies and measures, Case studies	Energy technologies	Policy and decision makers  Regional Western Europe and Others	Unrestricted	
Industry Attitudes to Steam Cycle Clean Coal Technologies - Survey of Current Status (CIAB)  published: 19.6.1995	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France  ISBN 92-64-14412-9	Summary report / book with Status of R & D	Fossil fuel - coal	Policy and decision makers	Unrestricted  US\$ 13	The study reviews the future prospects for coal-based power generation, the current and likely future development of pulverized fuel-firing and atmospheric fluidised bed combustion units, and the future of steam cycle technologies, based on an industry survey.
Industry Attitudes to Combined Cycle Clean Coal Technologies - Survey of Current Status  published: 29.9.1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France  ISBN 92-64-14231-2	Summary report / book with Status of R & D	Fossil fuel - coal	Policy and decision makers	Unrestricted  US\$ 13	This publication points at coal-burning technologies that will improve environmental performances of coal particularly in the case of those used for power generation. Beyond the evolution of the well-established steam cycle approach aimed at achieving higher thermal efficiency and lower emissions, other approaches use technologies that are essentially new.
Projected Costs of Generating Electricity - Update 1992  published: 20.12.1993	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France  ISBN 92-64-14020-4	Summary report / book with Cost-effectiveness study	Energy technologies	Policy and decision makers	Unrestricted  US\$ 50	This joint NEA/IEA publication is a comparative study of projected baseload electricity generation costs for power plants to be commissioned near the turn of the century. It reviews the cost data of nuclear, coal-fired, gas-fired, and renewable sources provided by 16 OECD and six non-OECD countries. Sensitivity studies are included and trends in cost projections in the past decade are also discussed.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Electric Power Technologies: Environmental Challenges and Opportunities published: 11.10.1993	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-13994-X	Summary report / book with Status of R & D	Energy technologies	Policy and decision makers	Unrestricted US\$ 13	This survey of technology options identifies four spheres of action for promoting the introduction of technologies that reduce the environmental impacts of power generation. The suggested approach involves a diversified mix of greater end-use efficiency, cleaner and more efficient generation from fossil fuels, more standardized nuclear power plants with enhanced safety features, and more cost-effective power generation from renewable sources.
Clean and Efficient Use of Coal and Lignite (Hongkong) - 30 Nov. - 3 Dec. 1993 published: 8.12.1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14243-6	Conference / workshop report with Policies and measures	Fossil fuel - coal	Policy and decision makers Global	Unrestricted US\$ 150	These proceedings contain detailed proposals for promoting coal technology progress while reducing environmental impacts. Specialized papers cover all the technological aspects of the coal and lignite use chain.
Clean and Efficient Use of Coal: The New Era for Low-Rank Coal (Budapest) - Feb. 1992 published: 20.12.93	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14022-0	Conference / workshop report with Policies and measures	Fossil fuel - coal	Policy and decision makers Regional Eastern Europe	Unrestricted US\$ 97	These proceedings contain the perspectives of high level government officials and senior executives from the coal industry, electric utilities and R&D centres, and regulators on the clean and efficient use of coal in Central and Eastern Europe.
Coal, The Environment and Development: Technologies to Reduce Greenhouse Gas Emissions (Sydney) - 18 - 21 Nov. 1991 published: 5.8.1992	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-13657-6	Conference / workshop report with Status of R & D	Fossil fuel - coal	Policy and decision makers Global	Unrestricted	The papers in this set of proceedings evaluate the performance of new and improved coal-use technologies. They indicate strategies that industrialized and developing countries may adopt to advance and apply these technologies.
Natural Gas Technologies: Energy Security, Environment and Economic Development (Kyoto) - 31 Oct. - 3 Nov. 1993 published: 11.10.94	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14234-7	Conference / workshop report with Status of R & D, Policies and measures	Fossil fuel - gas	Policy and decision makers	Unrestricted US\$ 130	These conference proceedings contain an extensive assessment of the technology status and trends for future progress. An up-to-date presentation is given of natural gas technology and R&D projects, as well as of measures for overcoming barriers to effective technology deployment into the market.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
International Conference on Emerging Natural Gas Technologies (Lisbon) - 7-10 Oct. 1990	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-13919-2	Conference / workshop report with Status of R & D	Fossil fuel - gas Transport - road Buildings / habitat	Policy and decision makers Regional Western Europe and Others	Unrestricted US\$ 47	These proceedings present technology development perspectives and priorities as they were discussed in a Conference that brought together senior natural gas industry executives, government officials, and R&D programme managers from IEA member countries.
published: 7.6.1993 New Electricity 21: Power Industry Technology and Management Strategies for the Twenty-First Century (Tokyo) - 12-14 May 1992	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14073-5	Conference / workshop report with Status of R & D	Energy technologies	Policy and decision makers	Unrestricted US\$ 95	These proceedings show that environmental and energy security concerns can be alleviated by new technologies spanning a wide range of activities from electronic controls for industrial equipment and consumer appliances to sophisticated emerging technologies such as superconductivity, solid state power electronics, and advanced telecommunication and information networks.
published: 7.3.1994 Industrial Energy Efficiency Policies and Programmes (Washington) - 26-27 May 1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14304-1	Conference / workshop report with Programme report, Policies and measures	Industry - other	Policy and decision makers	Unrestricted US\$ 75	These proceedings highlight some of the more successful public and private sector approaches to improving industrial energy efficiency.
published: 8.12.1994 Biofuels published: 7.12.1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14233-9	Summary report / book with Status of R & D	Renewable - biomass	Policy and decision makers Engineers Global	Unrestricted US\$ 28	This report gives a thorough analysis of the costs, energy use and greenhouse gas emissions involved in producing and using ethanol from maize, wheat and sugarbeet, biodiesel from rapeseed oil and methanol from wood. It compares these options with generating electricity from wood.
Hydropower, Energy and the Environment (Stockholm) - 14-16 June 1993 published 8.2.1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14075-1	Conference / workshop report with Policies and measures, Status of R & D	Renewable - hydropower	Policy and decision makers	Unrestricted US\$ 75	These proceedings cover regulatory approaches, hydropower technology and policy strategies, methods for increasing hydropower output while reducing environmental impacts, experience with technology cooperation and transfer, economics of hydropower upgrading and maintenance, and prospects for developing and adapting hydropower plants in a changing energy and environmental context.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Electric Vehicles: Technology, Performance and Potential	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Summary report / book with Status of R & D	Transport - road	Policy and decision makers Engineers	Unrestricted US\$ 53	This publication presents an overview of the current status of electric vehicle and truck developments in IEA member countries.
published: 13.1.1994	ISBN 92-64-1405-8					
Cars and Climate Change	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Summary report / book with Status of R & D, Policies and measures	Transport - road	Policy and decision makers Engineers	Unrestricted US\$ 60	This publication analyses trends in greenhouse gas emissions from motor vehicles and the opportunities for abatement.
published: 5.4.1993	ISBN 92-64-13804-8					
Towards Clean and Fuel Efficient Automobiles / Vers la voiture propre à faible consommation (Berlin) - 25-27 March 1991	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Conference / workshop report with Status of R & D	Transport - road	Policy and decision makers Engineers Global	Unrestricted US\$ 64	Some 50 papers are collected in this volume and show that even in the short term, existing and emerging technologies can bring about considerable improvements in the automobile sector.
published: 11.5.1993	ISBN 92-64-03868-X					
The Urban Electric Vehicle - Policy Options, Technology Trends, and Market Prospects (Stockholm) - 25/27 May 92	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Conference / workshop report with Policies and measures, Status of R & D	Transport - road	Policy and decision makers	Unrestricted US\$ 72	The report contains papers and discussion notes which examine the impacts of electric vehicles on energy and the urban environment.
published: 25.9.92	ISBN 92-64-13752-1					
Reconciling Transportation, Energy and Environmental Issues: The Role of Public Transport (Budapest) - 30 May-1 June 1994	International Energy Agency 2, rue André-Pascal F-75775 Paris Cedex 16 France	Conference / workshop report with Policies and measures	Transport - train Transport - road	Policy and decision makers	Unrestricted US\$ 124	Through this OECD/ECM/IEA/EC forum, key public and private sector actors joined forces to seek ways to develop and implement public transportation options that are clean, fuel-efficient and environmentally sound.
published: 15.5.1995	ISBN 92-64-14411-0					





Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Export Promotion and Environmental Technologies OECD Environment Monographs No. 87	Organisation for Economic Co-operation and Development 2, rue André-Pascal F-75775 Paris Cedex 16 France	Article / leaflet / booklet Policies and measures	Fossil fuels Renewables Buildings / habitat Industry	Policy and decision makers Global	Unrestricted	This report, based on a survey of OECD Member countries, is intended to clarify the relationship between government export promotion activities and the export of environmental technologies.
1994						
Promoting Cleaner Production in Developing Countries	Doc. No. OECD/GD(94)9 Organisation for Economic Co-operation and Development 2, rue André-Pascal F-75775 Paris Cedex 16 France	Summary report / book with Policies and measures, Other information sources, Cost-effectiveness study	Industry - other	Policy and decision makers Global	Unrestricted	
1995						
ISBN 92-64-14631-8						
Summary Record of OECD Workshop on Development Assistance and Technology Co-operation for Cleaner Industrial Production in Developing Countries	Organisation for Economic Co-operation and Development 2, rue André-Pascal F-75775 Paris Cedex 16 France Doc. No. OECD/GD(95)42	Conference / workshop report with Policies and measures	Environmentally sound technologies	Policy and decision makers Global	Unrestricted	
28-30 Sept. 1994, Hanover, Germany						
Technologies for Cleaner Production and Products, Towards Technological Transformation for Sustainable Development	Organisation for Economic Co-operation and Development 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14473-0 1995	Summary report / book with Policies and measures	Fossil fuels Renewable - other Transport Agricultural and forestry practices Industry - other	Policy and decision makers Regional Western Europe and Others	Unrestricted	This report discusses government policy options to promote cleaner production technologies and products in industry, energy, agriculture and transportation.
1994						
Towards Sustainable Agricultural Production: Cleaner Technologies	Organisation for Economic Co-operation and Development 2, rue André-Pascal F-75775 Paris Cedex 16 France ISBN 92-64-14188-X 1994	Summary report / book with Methods and practices, Case studies, Status of R & D, Policies and measures	Agricultural and forestry practices	Policy and decision makers Businesses Regional Western Europe and Others	Unrestricted	This report looks at the major environmental impacts of conventional agricultural practices, environmentally friendly technologies and practices, the obstacles to the greater diffusion of cleaner production technologies and government options to move the agricultural sector towards sustainability.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<b>Other institutions and organizations *</b>						
<i>African Energy Policy Research Network</i>						
Energy Management in Africa	African Energy Policy Research Network P.O. Box 30979 Ole Odume Road, Off Ngong Road Nairobi Kenya	Summary report / book with Case studies, Policies and measures	Energy technologies	Policy and decision makers  Regional Africa	Unrestricted	This book describes energy management in sub-Saharan Africa by case studies of assorted energy fields in Lesotho, Ethiopia, Kenya and Mauritius.
1992						
Edited by M.R. Bhagavan and S. Karekezi						
<i>Asian Institute of Technology (AIT)</i>						
Environmental Systems Information Center (ENSIC)	Asian Institute of Technology G.P.O. Box 2754 Bangkok 10501 Thailand  <a href="http://www.ait.ac.th/clair/ensic1.htm">http://www.ait.ac.th/clair/ensic1.htm</a>	Institution, Information system - mail queries - on-line, Web site, with Status of R & D, Demonstration objects, Product descriptions, Case studies, Methods and practices, Workshops / training	Waste management Water supply / sanitation	Policy and decision makers Engineers  Regional Asia and Pacific	Unrestricted	ENSIC was created with the objective of providing developing countries with needed information on water supply, environment and sanitation through publications such as twice-yearly reviews, newsletters, do-it-yourself manuals, directory of Environmental Assessment Studies and through an on-line database containing bibliographical data and abstracts.
Regional Energy Resource Information Center (RERIC)	Asian Institute of Technology G.P.O. Box 2754 Bangkok 10501 Thailand  <a href="http://www.ait.ac.th/clair/reric1.html">http://www.ait.ac.th/clair/reric1.html</a>	Institution, Information system - mail queries - on-line, web site with Status of R & D, Demonstration objects, Product descriptions, Policies and measures, Workshops / training	Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - hydropower Renewable - biomass Renewable - other Buildings / habitat	Policy and decision makers Engineers Businesses General public  Regional Asia and Pacific	Unrestricted	The Center collects and repackages local information on energy and renewable energy for dissemination to users worldwide. A wide range of publications on local technologies and workshop proceedings, access to bibliographical energy database and training courses and consultancy on energy information services are provided.

\* In some cases this information was provided directly from the source, while in other cases it was obtained through third party sources as, such as electronic databases.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Association for Progressive Communications (APC) EcoNet	Association for Progressive Communications 18 De Boom Street San Francisco CA 94107 United States of America <a href="http://www.econet.apc.org/econet/">http://www.econet.apc.org/econet/</a>	Information system - on-line, Web site with Other information sources	Environmentally sound technologies	Policy and decision makers NGOs General public  Global	Unrestricted	EcoNet, a member of APC, is an on-line service to provide free and balanced communication, which includes e-mail and electronic conference services. A World Wide Web site locates and organizes other web sites, which provide information on environmental issues including environmentally sound technologies and climate change.
Fachinformationszentrum (FIZ) STN International - The Scientific & Technical Information Network	Fachinformationszentrum P.O. Box 2465 D-76012 Karlsruhe Germany <a href="http://www.fiz-karlsruhe.de/stn.htm">http://www.fiz-karlsruhe.de/stn.htm</a>	Information system - on-line with Other information sources	Fossil fuels Renewables Nuclear Fuel cells Energy transfer Energy storage Industry	Scientists Policy and decision makers Engineers Businesses General public  Global	Unrestricted  DM 50 to DM 445 per hour connect time plus opening fees	STN is an interface for users of more than 100 databases on-line of which 20 are covering environmental issues, e.g. "ENERGY" of the U.S. Department of Energy or "ENERGIE" of the FIZ, Karlsruhe.
Gambia Ministry of Trade, Industry and Employment The Gambia Renewable Energy Centre (GREC)	Ministry of Trade, Industry and Employment Central Bank Building Buckle Street Banjul Gambia	Institution with Demonstration objects, Case studies, workshops / training	Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - biomass	Policy and decision makers Engineers Scientists  National Gambia	Unrestricted	The Centre assists the Ministry of Economic Planning and Industrial Development in the preparation and implementation of projects such as solar homes, solar water pumping systems, and wind turbines.
German Development Institute Strengthening Technological Capability in Developing Countries, Lessons from German Technical Cooperation	German Development Institute Hallerstrasse 9 D-10587 Berlin Germany ISBN 3-88985-125-8	Summary report / book with Policies and measures, Case studies	Environmentally sound technologies	Policy and decision makers	Unrestricted	Based on evaluations of German technology-oriented cooperation projects in six countries (Bolivia, Argentina, United Republic of Tanzania, Zimbabwe, Indonesia, Thailand), the study develops in particular an outlook on the possibilities of effectively strengthening technological capability in developing countries through development cooperation. The conclusions worked out in this study might also prove important for cooperation with countries in the process of transformation.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<i>Global Network of Environment and Technology (GNET)</i>						
Global Network of Environment and Technology (GNET)	The Global Network of Environment and Technology 7010 Little River Turnpike, Suite 430 Annandale VA 22003 United States of America  MSN: go GNET http://www.gnet.org	Information system - on-line, Web site with Other information sources, Policies and measures, National environmental laws	Environmentally sound technologies	Policy and decision makers Scientists Businesses  Global	Unrestricted	GNET provides worldwide access to timely information on environmental products and services, marketing opportunities, contracts, government programmes, policy and law, current industry news, and business assistance resources via the World Wide Web with an emphasis on hazardous waste.
<i>International Academy of the Environment</i>						
Energy, Environment and Development  Sept. 1995	International Academy of the Environment 4, chemin de Conches CH-1231 Geneva Switzerland  Author: Professor Jose Goldenberg	Summary report / book with Multiple technology assessment, Policies and measures	Fossil fuels Renewables Nuclear Transport Buildings / habitat Agricultural and forestry practices Industry Direct CO <sub>2</sub> removal	Policy and decision makers General public  Global	Unrestricted	This draft publication comprises physical concepts of energy and development, a factual description of the present, energy-related problems of environmental degradation, their causes and technical solutions as well as general and specific policies.
<i>Island Press</i>						
Renewable Energy, Sources for Fuels and Electricity  1993	Island Press Suite 300 1718 Connecticut Avenue, NW Washington D.C. 20009 United States of America  edited by Thomas B. Johansson et al. ISBN 1-55963-139-2	Summary report / book with Multiple technology assessment, Status of R & D, Cost-effectiveness study	Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - hydropower Renewable - biomass Renewable - other	Policy and decision makers Engineers Scientists	Unrestricted	Prepared as an input to the UNCED process, this report assesses the technical and economic prospects for making fuels and electricity from renewable energy sources.
<i>Kluwer Academic Publishers</i>						
Climate Change: Significance for Agriculture and Forestry, Systems Approaches Arising from an IPCC Meeting  1994	Kluwer Academic Publishers Spuiboulevard 50 P.O. Box 17 NL-3300 AA Dordrecht Netherlands  ISBN 0-7923-2933-3 Reprint from "Climate Change", Volume 27, Nr. 1, 1994	Summary report / book with Policies and measures, Status of R & D	Agricultural and forestry practices Adaptation	Policy and decision makers  Global	Unrestricted	This book arose from an international workshop held at Canberra, Australia, in 1992 under the auspices of the former IPCC Working Group III - Agriculture, Forestry and other Human Activities Sub-Group (AFOS). The workshop promoted greater understanding of the major sources and sinks of greenhouse gases within intensive and extensive cropping and animal production systems, and of agroforestry. Subsequently, a number of leading speakers were approached to encapsulate the concepts discussed and published in this book.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<i>Natural Resources Canada</i>						
Canadian Directory of Efficient and Alternative Energy technologies frequently updated	Natural Resources Canada 580 Booth Street (18th flr.) Ottawa ONT. KIA OE4 Canada	Information system for PC with Company profiles and capabilities	Energy technologies	Engineers Businesses National Canada	Unrestricted	This computerized Directory includes manufactures, distributors and suppliers of efficient and alternative energy products and services located in Canada. It is available on computer diskette.
<i>Netherlands Energy Research Foundation</i>						
Prospects for Energy Technology in the Netherlands, Volume 1:	Netherlands Energy Research Foundation P.O. Box 1 NL-1755 LE Petten Netherlands	Summary report / book with Cost-effectiveness study	Fossil fuel - gas Fossil fuel - oil Fossil fuel - coal Renewable - solar thermal Renewable - photovoltaic Renewable - wind Renewable - hydropower Renewable - biomass Renewable - other	Policy and decision makers National Netherlands	Unrestricted Dfl. 35,- Postbank account No. 3977703	This study is intended to identify the technologies likely to play a role in future energy systems. The methodology followed, scenario assumptions and main results are included.
Evaluation of the cost-effectiveness of Energy technologies under a range of long term-future conditions August 1995	Facility Service Report No. ECN-C--95-002					
<i>Netherlands Energy Research Foundation</i>						
Prospects for Energy Technology in the Netherlands, Volume 2:	Netherlands Energy Research Foundation P.O. Box 1 NL-1755 LE Petten Netherlands	Summary report / book with Status of R & D, Cost-effectiveness study	Fossil fuels Renewables Nuclear Fuel cells Energy storage Transport Buildings / habitat Waste management Industry Direct CO <sub>2</sub> removal Future technologies	Policy and decision makers Scientists Engineers National Netherlands	Unrestricted Dfl. 35,- Postbank account No. 3977703	This publication provides descriptions of Energy technologies in the Netherlands in a common format, including cost-effectiveness accounting tables.
Technology characterizations and technology results August 1995	Facility service Report No. ECN-C--95-039					
<i>Plataforma Solar de Almería (PSA)</i>						
Annual Technical Report 1994	Plataforma Solar de Almería Apartado 22 E-04200 Tabernas Spain Ref. PSA-TR03/95	Summary report / book with Status of R & D, Demonstration objects, Programme reports	Renewable - solar thermal	Scientists General public	Unrestricted	The PSA provides a solar infrastructure and experienced technical development teams for industrial and institutional solar research, development and demonstration. The projects are described in this report.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Solar Energy Research and Education Foundation (SEREF)	Solar Energy Research and Education Foundation 777 N. Capitol Street, N.E., Suite 805 Washington DC 20002 United States of America <a href="http://solstice.crest.org">http://solstice.crest.org</a>	Information system - on-line, Web site with Status of R & D, Demonstration objects, Product descriptions, Multiple technology assessment, Case studies, Cost-effectiveness study, Policies and measures, Other information sources	Renewables Energy storage Transport - air/water Transport - train Transport - road Buildings / habitat	Policy and decision makers General public Businesses Engineers  Global	Unrestricted	SOLSTICE is an international electronic clearing-house for publicly accessible, state-of-the-art information on renewable energy and energy efficiency, the environment and sustainable development.
The Center for Renewable Energy and Sustainable Technology (CREST)	Solar Energy Research and Education Foundation 777 N. Capitol Street, N.E., Suite 805 Washington DC 20002 United States of America <a href="http://www.crest.org">http://www.crest.org</a>	Institution, Information system - on-line Web site with Status of R & D, Demonstration objects, Product descriptions, Multiple technology assessment, Case studies, Cost-effectiveness study, Policies and measures, Other information sources, Workshops / training	Renewables Energy storage Transport - air/water Transport - train Transport - road Buildings / habitat	Policy and decision makers General public Businesses Engineers  National United States of America	Unrestricted	CREST is an education and training facility created and operated by The Solar Energy Research and Education Foundation (SEREF), pursuing three principal projects: on-site training and education workshops, on-line distance learning and training on SOLSTICE computer file server, on-disc training and education through interactive multimedia applications on CD-ROM.

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<i>United Kingdom</i> Global Climate Change, The Role of Technology Transfer, A Report for the United Nations Conference on Environment and Development	<i>Department of Trade and Industry</i> Department of Trade and Industry 151 Buckingham Palace Road London SW1W 9SS UK prepared by Touche Ross, Management Consultants	Summary report / book with Policies and Case studies	Energy technologies	Policy and decision makers Global	Unrestricted	A report on technology transfer processes.
1991						
<i>United States</i> Greenhouse Gas Mitigation Assessment: A Guidebook	<i>United States Country Studies Program</i> United States Country Studies Program 1000 Independence Avenue, SW PO-63 Washington DC 20585 United States of America Lead Authors: Javant Sathaye and Stephen Meyers published by Kluwer Academic Publishers ISBN 0-7923-3781-6	Summary report / book with Methods and practices		Policy and decision makers Scientists Global	Unrestricted	This is a guidebook for conducting an assessment of options for addressing climate change. Drawing on the expertise of 25 specialists, it provides guidance for analysis of greenhouse gas mitigation options in energy, forestry, agriculture and waste management. The book also discusses selected models that may be applied to support an analysis and information on technologies.
1995						
<i>United States</i> Energy Efficiency and Renewable Energy Clearinghouse (EREC)	<i>Department of Energy</i> 1000 Independence Ave, SW Washington DC 20585 United States of America P.O. Box 3048, Merrifield, VA 22116, USA e-mail: energyinfo@delphi.com http://www.nrel.gov/documents/erect_sheets/erect.htm	Information system - mail queries - on-line, Web site with Product descriptions, Status of R & D	Renewables Buildings / habitat	General public Businesses Engineers National United States of America	Unrestricted	

Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
Energy Efficiency and Renewable Energy Network (EREN)	Department of Energy 1000 Independence Ave. SW Washington DC 20585 United States of America <a href="http://www.eren.doe.gov">http://www.eren.doe.gov</a>	Information system - on-line, Web site with Other information sources	Fossil fuels Renewables Transport Buildings / habitat Industry	Policy and decision makers Engineers Scientists Businesses General public  Global	Unrestricted	This web site locates and organizes qualitative information about renewable energy and energy efficiency technologies. It has links to over 200 web sites.
<i>United States Environmental Protection Agency</i>						
Office of Air Quality Planning and Standards (OAQPS) Technology Transfer Network (TTN)	United States Environmental Protection Agency 401 M. Street S.W. Mail Code PM-2122 Washington DC 20460 United States of America  Modem (8N1): (919)541-5742 <a href="mailto:ttbnbs.rtpnc.epa.gov">telnet://ttbnbs.rtpnc.epa.gov</a>	Information system - on-line with Status of R & D, Policies and measures, National environmental laws, Workshops / training	Fossil fuels Waste management Agricultural and forestry practices Industry	Engineers Scientists Policy and decision makers Businesses General public  National United States of America	only phone or internet fees  Unrestricted	The OAQPS provides information on air pollution through reports, manuals, newsletters, support centres, workshops, self-instructional courses and the Technology Transfer Network (TTN). The TTN contains 18 on-line bulletin boards with air pollution information including monitoring, air toxics, emission factors, small business assistance, laws and regulations.
Options for Reducing Methane Emissions, Internationally, Volume 1: Technological Options for reducing Methane Emissions, Report to Congress July 1993	United States Environmental Protection Agency 401 M. Street S.W. Mail Code PM-2122 Washington DC 20460 United States of America  EPA 430-R-93-006	Summary report / book with Multiple technology assessment, Status of R & D	Fossil fuels Renewable - biomass Waste management Agricultural and forestry practices	Policy and decision makers Engineers  Global	Unrestricted	The report contains detailed and comprehensive descriptions of technologies and practices for reducing methane emissions from oil and natural gas systems, coal mining, landfills, ruminant livestock and livestock manure.
<i>World Conservation Union (IUCN)</i>						
Reefs at Risk - Coral reefs, Human Use and Global Climate Change  October 1993	The World Conservation Union. International Union for Conservation of Nature and Natural Resources rue Mauverney 28 CH-1196 Gland Switzerland	Article / leaflet / booklet with Programme report		Policy and decision makers General public  Global	Unrestricted	After describing the general problems of reefs in the changing climate, the brochure reports on the "long-term global monitoring system of coastal and near-shore phenomena related to climate change".



Title	Organization	Information	Technologies	Users	Access	Remarks (continued)
<i>World Energy Council (WEC)</i>						
Global Energy Perspectives to 2050 and Beyond 1995	World Energy Council 34 St. James's Street London SW1A 1HD UK	Summary report / book with Status of R & D, Policies and measures	Fossil fuels Renewables Nuclear	Policy and decision makers Global	Unrestricted	This study examines global long-term energy perspectives, their constraints and opportunities by formulating and analysing scenarios.
Local and Regional Energy-Related Environmental Issues 1995	World Energy Council 34 St. James's Street London SW1A 1HD UK	Summary report / book with Case studies, Policies and measures	Fossil fuels Renewable - wind Renewable - hydropower Renewable - biomass Energy transfer Transport - road Industry - paper Industry - pollution control	Policy and decision makers Regional	Unrestricted	Selected regional and local cases of major energy-related environmental issues in developing countries and former centrally planned economies are described. The case studies include a description and assessment of the specific problems with realistic and cost-effective recommendations for improvement.
<i>World Energy Efficiency Association (WEEA)</i>						
International Directory of Energy Efficiency Institutions 3rd edition 1995	World Energy Efficiency Association 1400 16th Street, NW, Suite 340 Washington DC 20036 United States of America	Summary report / book with Research institutions, Other information sources		Policy and decision makers Engineers Scientists Global	Unrestricted	The Directory comprises government agencies, intergovernmental organizations, non-governmental organizations, international financial institutions, and private firms that deal with the subject of energy efficiency.

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