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SELECTING THE MOST APPROPRIATE DATABASES TO ANSWER SPECIFIC
QUESTIONS REGARDING THE ENVIRONMENTAL IMPACT OF INDUSTRY

BY

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This document presents the views of the author
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INTRODUCTION

UNIDO is establishing an information base on industry and environment issues. Its main purpose will be to make sure that the best environmental information is available to UNIDO staff for project design and evaluation.

This is why the International Federation for Information and Documentation (FID()), the NGO representing the information profession has been entrusted with collecting, organising and analysing the databases and hosts capable to provide information on the environmental impact of industry.

The method used was the following:

- first a questionnaire has been dispatched to
 - UN agencies known to provide information services in the field of environment or industry with a view to clarifying whether they have records on the combination of the two fields, i.e. on the environmental impact of industry, to cultural policy and cultural development.
 - FID members known to be using on-line information services, with a view to clarifying which are the databases they consider to be relevant in connection with UNIDO's environment related information needs
- next in-depth searches have been implemented in selected organizations in order to specify the number of records available in selected databases on one hand regarding environment related issues and industry related matters separately and on the other hand regarding the combination of the two above fields.
- the information received has been analysed and is now presented in as much detail as it was available. It should be stressed, that the study is not comprehensive; we had to rely on the answers and search facilities available. Some databases, although relevant, may be missing as well as some data regarding the databases analysed. Nevertheless it is expected that the study will provide a good basis for the first selection of information sources to be used in connection with the analysis of the environmental impact of industry.

The study has been based in particular on the generous contribution of the following organizations and institutions:

- ALKO (Finland)
- British Library Document supply centre
- European Space Agency, Information retrieval services
- Hungarian National Foundation for Scientific Research (Grant 2575)
- Institut de l'Information Scientifique et Technique, France
- International Translation Centre, The Netherlands
- UN Environmental Program

We express, therefore, our most sincere thanks to the above organizations and institutions.

1. DATABASES PROPOSED FOR CONSIDERATION ON THE BASIS OF SPECIFIC REQUIREMENTS

Although the number of databases providing information on environment related matters is already important and there are numerous data bases dealing with industrial development, those data bases in which interested users can find relevant information on specific aspects of environmental impact of industry are rather rare. It is, therefore, of interest to identify those information resources which could be used in order to improve the efficiency of planning, managing and implementing industrial development without damaging the environment or to decrease the negative effects of industrial activities on the environment.

The databases are quite different in their characteristics and it is necessary to select the most appropriate one(s) when a particular information need has to be met. Some of these characteristics can be specified as follows:

- the subject coverage
- the type of information covered (factual, bibliographic, etc.)
- the geographic coverage
- the types of documents covered (in the case of bibliographic databases)
- the language of the information provided
- the timeliness of the information provided
- the level of information provided (availability of abstracts)
- the possibility of access via international telecommunication means.

It is on the basis of the above criteria that we will propose for consideration a certain number of databases, stressing that

- there are certainly more databases of interest in the field of the environmental impact of industry and
- it was not possible to obtain during our study all necessary data from all database producers and hosts.

1.1 Databases proposed on the basis of subject coverage

In order to select the most appropriate database, the user should know first of all the extent to which the specific subject of interest to him is covered by the databases offered. It may happen namely, that although the term describing the field of interest of a specific user does appear among the keywords used by a system, the actual number of documents in which this term occurs is very small. Such a situation may arise even more frequently regarding a specific combination of terms, such as environment related terms on one hand and industry related terms on the other. In the case of the MHIDHS bibliographic database e.g. only 1 hit was found using the combination of industry and environment related terms, although it is known that this database contains valuable information both on environmental issues and hazardous wastes resulting from industrial operations.

It will be, therefore, of interest to identify the most frequently used

- environment related terms
- industry related terms

in some selected databases and to present for the users' consideration those databases, in which the number of records dealing with both industry and environment has been found to be the most important.

Under the first item of this chapter we will present the terms for which the number of occurrences has been found to exceed 1.000, and Annex II lists all environment related terms as well as the terms identified in connection with the industries known to have the greatest environmental impact.

Under the second item of this chapter a table will guide the user regarding the databases in which the combination of industry and environment related terms appears the most frequently.

It should be noted that a database may cover

- environment related matters, as main or exclusive subject field
- environment related matters, as part of a wider coverage, when only a relatively small part of the records is relevant for those interested in environment related issues in general or some specific aspects of environmental impact
- the field of industry in general, including a great number of specific industry related issues
- a specific domain within the field of industry.

This is why in the chapter presenting all important details regarding the databases proposed for consideration, the total size of the database will be specified along with the number of records found to be relevant in the field of environment related matters and regarding industrial issues.

1.11 Subject coverage expressed by the number of occurrences of the most frequently used relevant terms

Currently the following specific fields are covered by selected databases in the broad domain of environment related issues:

a) In the data bases OCEANIC, POLLUTION, PASCAL a cluster search indicated that:

i) the most frequent environment related terms are:

Term	Number of occurrences
Environment	174.103
Environnement	97.250
Environmental	91.212
environmental factors	15.986
environmental protection	9.461
environmental impact	7.463
environmental management	1.760
environmental monitoring	1.564
environmental conditions	1.480
Pollution	136.301
Pollutant	24.998
pollution eau	20.099
pollution air	14.459
pollution atmospherique	8.880
pollution control	6.354
pollution prevention	5.281
pollutant detection	4.249
pollution sol	3.719
pollution control equipment	1.845
pollutant dispersion	1.791
pollution effect	1.793
pollution thermique	1.684
pollutant emission	1.646
pollutant behaviour	1.549
pollutant dispersal	1.494
pollution source	1.347
pollutant creation	1.290
Acid rain	1.423
Waste	64.231
wastewater	14.617
waste disposal	8.993
wastewater treatment	6.532
waste treatment	5.091
waste water	5.091
waste management	4.998
wastewater treatment plant	1.327
waste reuse	1.510
Effluent	19.534

ii) the most frequent industry related terms are:

Term	Number of occurrences
Industrie	
industrie chimique	6.646
industrie ciment	484
industrie cuir	114
Industry	
Chemical industry	3.795
Chemical industry wastes	293
cement industry	322
pulp and paper industry	177
pulp wastes	236
Industria	
industria cemento	16.916
industria del papel	129
industria farmaceutica	43
	406

b) In the data bases BIOSIS, CHEMABS, COMPENDEX, ENERGYLINE, ENVIROLINE, INSPEC, OCEANIC a cluster search indicated that the most frequent terms are:

i) regarding environment related issues:

Term	Number of occurrences
Environment	289.325
Environmental	240.239
environmental impact	13.347
environmental protection	3.337
environmental testing	5.615
environmental engineering	5.606
environment effects	5.557
environmental pollution	5.486
environmental tests	4.753
environmental monitoring	3.359
environmental control	2.601
environment protection	2.254
environmental conditions	1.984
environment pollution	1.523
environmental degradation	1.165
environmental surveys	1.119
environmental effects	1.107
environmental factors	1.104
Pollution	304.204
Pollutant	33.160
Polluted	13.126
pollution monitoring	5.695
pollution detection and control	2.167
pollution effects	1.505
pollution transport	1.235

Waste	231.056
waste solids	23.595
waste disposal	20.329
waste gases	17.196
waste water treatment	14.751
waste utilisation	8.102
waste heat utilisation	3.056
waste water	2.566
waste treatment	1.496
waste management	1.631
waste energy utilisation	1.013

Acid rain 3.817

Effluent 41.245
Effluent treatment 1.796

ii) Regarding industry related matters:

Chemical industry	6.593
Pulp manufacture	3.662
Paper industry	1.662
Cement plants	1.830
Cement industry	1.207
Paper and pulp industry	923

c) In the data bases Acid Rain, ACOMPLINE, AFEE, BIOBUSINESS, CAB the cluster search indicated that the most frequent terms were:

i) Regarding environment related issues:

Environmental	72.813
Environment	64.351
Environnement	2.802
environmental protection	5.860
environmental pollution	5.055
environmental factors	4.650
environmental surveillance	1.942
environmental policy	1.750
environmental law	1.195
environmental quality	1.065
environmental impact	1.023
environmental control	1.049

Pollution	62.232
Pollutants	5.095
pollution control	4.289
pollution de cours d'eau	3.563
pollution de l'eau	3.307
pollution de nappe	2.331
pollution de la mer	2.075
pollution de l'atmosphère	1.937
pollution du littoral	1.493

Waste	32.203
Wastes	10.380
wastewater	6.852
waste disposal	6.339
waste management	5.202
wastewater treatment	3.098
Acid Rain	1.981
Effluent	3.143
Effluents	6.811

ii) Regarding industry related matters:

Chemical industry	7.171
Paper industry	1.538

1.12 Databases proposed on the basis of the greatest number of hits regarding the combination of industry AND environment related terms.

As the following table indicates, the user interested in the environmental impact of industry may find that the greatest number of hits can be expected in NTIS, COMPENDEX, Water Resources Abstracts, PASCAL and BIOBUSINESS, all of which contained early 1991 more, than 9.000 hits regarding this matter.

Number of relevant records	Name of data base	Number of relevant records in the data base
More than 10.000	NTIS	10.708
	COMPENDEX	10.049
5.000-10.000	Water res.abstr	9.650
	PASCAL	9.200
	Biobusiness	9.537
	CHEMABS	7.957
	Pollution	7.550
	BIOSIS	5.256
2.000-5.000	INSPEC	4.518
	EDF DOC	3.950
	CAB	3.707
	ENVIROLINE	3.354
	Hard Sciences	2.593
	METADEX	2.033
1.000-2.000	AFEE	1.900
	ACOMPLINE	1.579
	ENERGYLINE	1.452
	Environment.bibl.	1.450
	ASFA	1.150
	SIGLE	1.275
	Conference papers	1.023
500-1.000	HSELINE	947
	OCEANIC	900
	CISDOC	836
	ISMEC	679
	Aluminium	637
	Material business	603
	FLUIDEX	585
	LABORDOC	551
100-500	World Translation Index	469
	Chemical Safety	373
	EAD	172
	Engineered materials	171
	DIN	142
	DELET HYDPO	119
	Internat. Pharmaceutical	106
	CETIM	114
	HEATELO	106

1.2. Databases proposed to cover specific types of information

A database may be offering information

-on facts, (source databases) in particular

-statistical information

-directory type information on institutions, persons, projects, etc

-full-text information on findings, plans, statements, etc.

-on documents, in which the practical information actually looked for can be found with a great probability, i.e. bibliographic information

-of referral character, i.e. identifying institutions, information centres where bibliographic or factographic information can be found in connection with a particular question.

For the planner, decision maker, research worker, etc. the best would be to find immediately the answer to the problem faced by him: the statistical, full-text, etc. information. Nevertheless in the field of the environmental impact of industry currently the most frequently available databases are of bibliographic character.

For those looking for other than bibliographic information the following databases can be proposed for consideration:

Type of information	Database	Owner
Statistical info.	Database on the Environment	UN Economic Comm. for Europe
Directory	International Register of potentially toxic chemicals	UN Environmental Program
Full text	Waste Management File Legal File RESFILE	UN Environmental Program UN Environm. Pro. UN D.Hammarskjöld L.
Referral	REED CYTALC	UNIDO UNESCO ROSTLAC

1.3. Databases proposed to cover specific geographic regions

From the point of view of geographic coverage the documents scanned and processed, the institutions, specialists, events, projects registered may be

- from all over the world or a great number of countries (international coverage)
- from a specific region
- from one country only

The majority of the databases reviewed in this study have a worldwide or very wide international coverage. Should the user be interested in one particular region or country rather than worldwide literature, he/she may pay special attention to the following databases:

Region or country covered	Name of database	Owner

A) REGION		
Europe	Database on the environment	UN Economic Comm. for Europe
	EAD	European Space Ag.
NATO Countries	NATO-PCO	NATO
Latin America	REPIDISCA	CEPIS
	BIBLOS	UN Economic Comm. for Lat. Amer.
	CYTALC	UNESCO ROSTLAC
B) COUNTRY		
France	CETIM	Centre Technique des Ind. Mechaniques
Germany	DIN	Deutsches Inst. fur Normung
Italy	ITALPAT	Inf.Center Ljubljana
U.K.	BSI STANDARDLINE	British Standard Ins

N.B. It should be noted, that in spite of the fact that they do not focus their attention to a region or country, due to their size international databases may contain more information on a particular region or country than a database specialised in a specific region or country!

1.4. Databases proposed to cover specific types of documents

Bibliographic databases frequently do not cover all types of documents which could be of interest to a user; such as

- articles in periodicals
- audio-visual materials
- books, monographs
- conference proceedings
- data sheets
- dissertations, theses
- grey literature
- letters, notes
- laws
- maps
- newletters
- newspapers, press releases
- patents
- pressure group literature
- speeches
- standards
- statistical documents
- translations
- UN resolutions

The user must be, therefore, able to identify among the bibliographic databases available the one or those, which cover the specific type(s) of documents he/she is interested in.

1.41 Articles

Most of the bibliographic data bases cover scientific journals, but

- there are important differences in the number of periodicals scanned regularly
- there are data bases specialised in types of documents other than periodicals.

Although the number of periodicals scanned was not known for all data bases identified as being relevant regarding the environmental impact of industry, some characteristic information on this matter can be presented as follows:

Range of periodicals scanned regularly	Name of the data base	Number of periodicals
More than 10.000	CHEMABS	14.000
5.000-10.000	BIOSIS	9.000
	CAB	8.500
1.000-5.000	ASFA	5.000
	ENVIROLINE	5.000
	COMPENDEX	4.500
	INSPEC	4.000
	METADEx	2.000
	ALUMINIUM	1.600
	FLUIDEX	1.000
500-1.000	HEATFLO	1.000
	CETIM	860
	ISMEC	750
	International Pharmaceutical Abstract	700
	DELFT HYDRO	600
	BIOBUSINESS	500
	100-500	HSELINE
Chemical Safety		200
GLASSFILE		200
Less than 100	MHIDHS	30

1.42 Other documents

Should the user be interested in a specific type of document, other than periodicals, the following databases can be proposed for his/her consideration:

Type of document covered	Data base
Audio-visual materials	Chemical Safety Newsbase
Books, monographs	all data bases covering periodicals
Conference proceedings	most of those data bases which cover periodicals
Data sheets	CISDOC
Dissertations, theses	ALUMINIUM Bibliography of Earth Sciences CETIM CHEMABS GLASSFILE Hard Sciences HEATELO PASCAL SIGLE

Type of document covered	database
Grey literature	SIGLE
Letters, notes	BIOSIS Internat. Pharmaceutical A.
Laws	CISDOC HSELINE LABORDOC
Maps	ASFA Bibliography of Earth Sciences
Newsletters	Acid rain AQUALINE Biobusiness ENERGYLINE
Newspapers, press releases	ACOMPLINE/URBALINE Chemical Safety Newbase ENERGYLINE ENVIROLINE MHIDHS MIRA
Patents	ALUMINIUM BIOBUSINESS CHEMABS (26 countries) FLUIDEX GLASSFILE Hard Sciences ITALPAT METADEX Water Resources Abstracts
Pressure group literature	ACOMPLINE/URBALINE
Projects implemented by UN agencies	RDA World Bank File
Speeches	ENERGYLINE
Standards	BIIPAM-CTIF BSI-STANDARDLINE CISDOC DIN German Standards FLUIDEX
Statistical documents	ENERGYLINE
Translations	World Translation Index
UN resolutions	UN Documents File

1.5 Databases proposed to identify the most recent documents

The higher the update frequency, the greater the probability that a user finds in a database recent publications. Some database producers announce rather low update frequency; once a year or every three months, others claim very frequent updating, such as once or twice a month.

Should the user need access to the most recent literature, he/she may implement a search first in those databases which claim to work with less than one month update frequency, such as:

Update frequency	Database	Owner
Every week	BIOBUSINESS	
Every two weeks	BIOSIS CHEMABS NTIS	

1.6. Databases proposed for those wishing to benefit from the information services offered by UN agencies

From the point of view of UNIDO Secretariat and project staff the use of database services offered by UN agencies is advantageous in particular because

- they have been established for the specific purpose of supporting international projects and multilateral aid activities
- they pay particular attention to the matters of interest to developing countries
- they are available free of charge

Nevertheless it should be noted, that international commercial databases cover in most cases a greater quantity of documents and national databases may represent the most appropriate source of information when the study or question focuses on one particular country. The selection should be made, therefore, taking into account to the characteristics of the specific question and the specific task/problem to be solved.

Should the user wish to benefit from the information services offered by the UN system, he/she may start by addressing the enquiry to the following UN databases:

Database	Owner	Subject coverage
BIBLOS	ECLAC	industry and environment
EPBIBL	UNEP	industrial areas, industrial wastes, waste management, environmental effects environmental engineering
INFOTERRA Database	UNEP	industrial wastes waste management environmental protection environmental management
News and Data	UNEP	environment and industry
REED	UNIDO	industry and environment materials technology
RESFILE	UN Library	UN General Assembly resolu- tions
CYTALC	BOSTLAC	S and T policy environment
UNPRESS	UN Public Inf.	science and technology environment
UNU Library Database	UNU	science and technology environment

1.7 Databases proposed for those looking for abstracts

Most databases contain an abstract to each document indexed or to a part of them. Some databases provide better, more informative abstracts, some only short indicative annotations. There are still some databases without any abstracts. A criterion of selecting between similar databases may be the existence or the quality of abstracts.

Although the availability of abstracts could not be clarified regarding each of the databases analysed, the following databases can certainly be proposed for consideration by those looking for more, than basic bibliographic information, i.e. requiring direct access to an abstract in each of the hits:

- ASFA
- BIOSIS
- CAB (partly)
- ENERGYLINE
- Engineered Materials
- ENVIROLINE
- FLUIDEX
- INSPEC
- METADEX
- OCEANIC
- PASCAL
- POLLUTION
- Water Research

1.8. Physical limitations of access

An accessibility problem may arise in connection with the physical possibilities of establishing a link to the database of interest. Some databases are offered by on-line hosts accessible through telecommunication lines, others -although search itself is on-line- can be used only via terminals located in the institution/organization itself.

It should be noted in this connection, that UN databases are rarely accessible through commercial hosts: one example being LABORDOC offered by ESA-IRS.

Another problem of accessibility may arise in connection with the availability of telecommunication lines or networks to the host from a given physical location of the user. Unfortunately, there are no guidelines or rules of establishing data communication link from a terminal at a given geographical point to a host located at an other, perhaps on an other continent, because it is beyond the control of the user. National PTTs should be, therefore, consulted before hosts are selected for the implementation of specific enquiries. It should be emphasized that the most serious bottle-neck of online searching is its telecommunication aspect, not only in developing countries but also in highly industrialized nations (with the exception of North America).

2. HOSTS PROPOSED FOR CONSIDERATION

Online databases are built, stored and made available for remote online searching by commercial services called hosts and by telecommunication networks. There are about 550 online host services in the world presently, each hosting more or less databases, some offering one or two databases only, some many (hundreds) of them for public online access. Obviously, only a fraction of hosts would be accessed by any online searcher on a permanent basis, since the particular information needs can be satisfied by a relatively low number of hosts.

The number of databases used in an online search session depends on the query and on the user. For certain queries a single-database search is adequate, if the subject field is covered by a very good database.

There are, however, queries which cannot, or are not recommended to be searched in one database only. These are interdisciplinary queries or those queries whose subject field is not covered by a good comprehensive database. In such cases the user may wish to

- start first with one or more hosts offering multidatabase search facilities
- and/or implement several single database searches regarding databases which can be accessed through a specific host only

As it can be seen from the following table, among the 48 commercially operated national databases found to be relevant regarding the environmental impact of industry, the greatest number can be accessed through

-ESA-IRS	41 databases
-DIALOG	22 databases
-DATASTAR	10 databases

On the other hand, the databases accessible through the greatest number of hosts analysed in this study are

-COMPENDEX	accessible through 7 hosts
-INSPEC	accessible through 6 hosts
-CHEMABS	accessible through 5 hosts

Database

Host offering access

	BRS	Data Star	DIM- DL	DIA- LOG	ESA IRS	FIZ	OS- BIT	Else
-ACID RAIN					X			
-ACOMPLINE/URBALINE					X			
-AFEE					X			
-ALUMINIUM					X			
-AQUALINE							X	
-ASFA				X	X			
-EIBL OF EARTH SCIENCES								ASTRA
-BIIPAM-CTIF					X			
-BIOBUSINESS	X	X		X				
-BIOSIS	X	X		X	X			
-BSI STANDARLINE					X			
-CAB				X	X			
-CETIM					X	X		
-CHEMABS	X	X		X	X		X	
-CHEMICAL SAFETY NEWSB				X	X		X	
-CISDOC					X			
-COMPENDEX	X		X		X	X	X	QUES- TEL CEDO- CAR
-CONFERENCE PAPERS IND				X	X			
-DELFT HYDRO					X			
-DIN GERMAN STANDARDS					X			
-EDF-DOC								QUES- TEL
-ENERGYLINE				X	X		X	
-ENGINEERED MATERIALS A				X	X		X	
-ENVIROLINE			X	X	X		X	
-ENVIRONMENTAL BIBL.				X				
-FLUIDEX				X	X			
-GLASSFILE					X			
-HARD SCIENCES					X			
-HEATFLO					X			
-HSELINE			X		X			
-INT. PHARMAC. ABSTR.	X	X			X			
-INSPEC	X	X		X	X	X	X	
-ISMEC				X	X			
-ITALPAT					X			
-LABORDOC					X			
-MATERIALS BUSINESS		X		X	X		X	
-METADEX		X		X	X	X	X	
-METALS DATAFILE					X			
-MHIDHS					X			
-MIRA					X			
-NATO-PCO					X			
-NTIS	X	X		X	X		X	
-OCEANIC				X	X			
-PASCAL				X				QUES- TEL
-POLLUTION		X		X	X			
-SIGLE						X		ELAISE
-WATER RESOURCES ABSTR.				X	X			
-WORLD TRANSLATION IND.				X	X			

3. DETAILS ON THE DATABASES FOUND TO BE RELEVANT IN THE FIELD OF THE ENVIRONMENTAL IMPACT OF INDUSTRY

3.1 International databases produced by UN agencies

Owner	United Nations
Name	Dag Hammarskjold Library
Country coverage	RESFILE
Address	international
	United Nations Plaza
	New York N.Y. 10017
	USA
Main descriptor	full text database
Type of info	computerized
Coverage	UN General Assembly resolutions
	ECOSOC resolutions
Relevance	a small number but important records
Total size	3.000 records (in 1990)
Update frequency	continuous

Owner	United Nations
Name	Environmental Program
Country coverage	EPBIBL
Contact	international
Address	The Librarian, UNEP
	34-43 quai Andre Citroen
	57739 Paris CEDEX 15
	France
Main descriptor	bibliographic database
Type of info	computerized
Relevance	regarding industry:
	-industrial areas
	-industrial wastes
	regarding environment:
	-environmental effects
	-environmental management
	-environmental legislation
	-pollution control
Total size	7.500 records (in 1990)
Update frequency	continuous

Name	International Register of Potentially Toxic Chemicals
Country coverage	International
Contact	The Director, IRPTC/UNEP
Address	Palais des Nations 1211 Geneva 10 Switzerland
Main descriptor	factual information on chemicals for evaluation purposes
Type of info	computerized
Relevance	Regarding environmental aspects it provides data on: -identifiers, properties and classification -pathways into the environment -environmental fate tests -environmental fate -effects on organisms in the environment -spills -waste management Regarding industrial aspects it identifies: -the production sources -production processes
Total size	n.d.
Update frequency	continuous

Owner	United Nations Environment Program
Name	Waste Management File
Country	International
Address	Palais des Nations 1211 Geneva 10 Switzerland
Main descriptor	Full text information on recommended methods for the treatment and disposal of chemical wastes plus bibliographic information
Type of info	computerized
Relevance	Especially useful when disposing of materials which are damaged, time expired or simply no longer needed, but it is not primarily intended as a source of guidance on disposal or treatment of industrial process wastes. The file gives a text explanation of the method together with the conclusions of an expert panel and a bibliography.
Total size	n.d.
Update frequency	occasionally

Owner	United Nations
Name	Environment Program
Country	Legal File
Address	covers 13 countries
	Geneva
	Switzerland
Main descriptor	full text information on existing regulations and regulations for controlling chemicals
Type of info	computerized
Relevance	all substances (except pharmaceuticals and radioactive substances) are covered and legal control mechanisms are described on maximum limits for chemicals in everything, laws relating to use, handling and transport and rules for the disposal
Total size	40.000 records
Update frequency	no regular updating

Owner	United Nations
Name	Food and Agricultural Organization
Country	Current Agricultural Research Information System (CARIS)
Address	international
	Rome
	Italy
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, books reports
Relevance	Regarding environmental aspects: -environment (524 hits) -pollution (78 hits) -waste (178 hits) -acid rain (0 hits) Regarding industrial aspects: -industry (417 hits)
Total size	22.000 records
Update frequency	whenever received from Member states: in some cases once a year only

Owner	United Nations
Name	Industrial Development Organization
Country coverage	REED
Address	international
	Vienna International Centre
	Wagramerstrasse 5
	PO Box 300
	Vienna
	Austria
Main descriptor	referral
Type of info	computerized
Coverage	information sources
Relevance	environment/energy
	industry
	materials technology
Total size	2.000 records (in 1991)
Update frequency	continuous

Owner	United Nations
Name	International Labour Office
Country	LABORDOC
Address	international
	Geneva
	Switzerland
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books,
	laws, regulations, judicial decisions
	collective agreements
	technical documents
Relevance	Regarding industry and environment combined:
	551 hits
Total size	178.920 records
Update frequency	monthly
Host:	ESA-IRS

Owner	United Nations University
Name	UNU Library Database
country coverage	international
Address	Toho Seimei Building
	15-1 Shibuya 2-chome
	Shibuya-ku
	Tokyo 150
	Japan
Main descriptor	bibliographic
Relevance	environment
	natural resources
	science and technology
Total size	10.000 records (in 1990)
Update frequency	continuous

3.2 Databases produced by regional organizations

3.21 UN Organisations

3.211 Europe

Owner	United Nations
Contact	Economic Commission for Europe
Name	Statistical Division
Country coverage	Database on the Environment
Address	European countries
	Palais des Nations
	1211 Geneva 10
	Switzerland
Main descriptor	statistical
Type of info	computerized
Relevance	regarding environmental aspects it covers mainly: -air emissions and concentrations -water use and discharges -wastes -expenditures on the environmental protection regarding industry: -industry as a whole appears often as a separate category or is split up into two or three subcategories; data on water discharges, e.g. are provided by total manufacturing and mining and quarrying activity. The most detailed breakdown of industrial activities has been implemented regarding the following environmental aspects: -air emission of selected pollutants (11 ISIC categories) -generation of waste materials (20 ISIC categories) waste-water generation (7 ISIC categories)
Total size	n.d.
Update frequency	yearly

3.212 Latin America

Owner Panamerican Center for Sanitary Engineering and Environmental Sciences
Name CEPIS
Country REPIDISCA database
Address Latin American countries
 Los Pinos 259, Urb. Camacho
 P.O.Box 4337
 Lima 100,
 Peru
Main descriptor bibliographic information on documents from CEPIS and the cooperating centres
Type of info computerized
Relevance Regarding environmental aspects:
 -environmental sciences
 -water pollution
 -wastewater treatment and disposal
 -solid waste and urban refuse
 -ground water and soil pollution
 -air pollution
 -occupational health and industrial hygiene
 Regarding industrial aspects:
 -Aluminium industry
 -Pulp and paper industry
 -Cement industry
 -chemical industry
 -leather industry
 -Petroleum industry
 -pharmaceutical industry
 -metal industry
 -textile industry
Total size over 30.000 records
Update frequency continuous, rate of increase is 5.000/year

Owner United Nations
 Economic Commission for Latin America
 and the Caribbean
Name BIBLOS
Country Latin America and Caribbean
Address Santiago
 Chile
Main descriptor Bibliographic database
Type of info computerized
Relevance Regarding environmental aspects:
 -environment (744 hits)
 -pollution (388 hits)
 -environment protection (227 hits)
 - .lima (38 hits)
 -wastes (56 hits)
 -waste management (26 hits)
 -waste processing (11 hits)
 -waste recycling (34 hits)
 Regarding industrial aspects:
 -industry (2393 hits)
Total size n.d.
Update frequency continuous

Owner	UNESCO ROSTLAC
Name	CYTALC
Country coverage	Latin America and the Caribbean
Address	Bulevar Artigas 1320 Montevideo, Uruguay
Main descriptor	bibliographic and referral
Type of info	computerized
Relevance	Regarding environment: -environment -hydrology -marine resources Regarding industry: -science and technology policy
Total size	2.000 records (in 1990)
Update frequency	monthly

3.22 Non-UN Regional Organizations

Owner	European Space Agency
Name	Aerospace Data Office
Country	EAD
Address	European countries Frascati Italy
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	technical reports conference proceedings
Relevance:	Regarding environment: -life sciences Regarding industry: -engineering -chemistry -materials Regarding industry and environment combined: 172 hits
Total size	134.680 records
Update frequency	monthly
Host	ESA-IRS

Name	CEAO-CRIC
Owner	Economic Community of Western Africa
Country coverage	Benin, Bourkina Fasso, Ivory Coast, Mali, Mauritania, Niger, Senegal
Address	Ouagadougou Bourkina Fasso
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	books, monographs articles theses statistical documents
Relevance	Regarding environmental aspects: -water pollution Regarding industrial aspects: -in particular industrial developpement
Total size	about 1.500 records

Name	NATO-PCO
Owner	NATO Publication Coordination Office
Country coverage	NATO countries
Address	Overijse Belgium
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	conference papers
Relevance	Regarding environmental aspects: -ecology Regarding industrial aspects: -in particular engineering -materials sciences Regarding industry and environment combined: 23 hits
Total size	33.750 records
Update frequency	monthly
Host:	ESA-IRS

3.23 National centres with regional vocation

Name	CEGET
Owner	Centre d'Etudes de Geographie Tropicale
Country coverage	Developing countries
Address	Talence France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	books, monographs articles conference papers reports slides, photographs norms, standards maps
Relevance	Regarding environmental aspects: -ecology Regarding industrial aspects: -industry in general
Total size	over 20.000 records

Name	GRET
Owner	Groupe de Recherche et d'Echanges Technologiques
Country coverage	Developing countries
Address	Paris France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	books, monographs articles
Relevance	Regarding environmental aspects: -water treatment -health Regarding industrial aspects: -industry in general -in particular energy
Total size	over 8.000 records

Name	CEI
Owner	Institut Francais de l'Energie
Country coverage	developing countries
Address	Paris France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles conference papers reports
Relevance	Regarding environmental aspects: -pollution Regarding industrial aspects: -in particular energy

Name	Travaux Publics
Owner	Ecole Nationale des Travaux Publics de l'Etat
Country coverage	developing countries
	France
Address	Vaulx-en-Velin
	France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	books, monographs
	articles
	theses
Relevance	Regarding environmental aspects:
	-environment in general
	Regarding industrial aspects:
	-in particular energy
	-in particular mechanical engineering

Name	OMVS
Owner	Organisation pour la Mise en Valeur du Fleuve
	Senegal
Country coverage	Senegal river region
Address	Dakar
	Senegal
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	books, monographs
	articles
	conference papers
	reports
Relevance	Regarding environmental aspects:
	-environment in general
	-in particular water
	Regarding industrial aspects:
	-in particular hydrology
Total size	over 10.000 records

3.3 Databases produced by commercially oriented national sources

Name Acid Rain
Owner R.R.Bowker Co.
Country coverage international
Address New York, N.Y.
USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, conference papers, books,
newsletters,
academic, governmental and corporate reports
Relevance Regarding environmental aspects:
-pollution (2244 hits)
-waste (83 hits)
-environment (528 hits)
Regarding industrial aspects:
-industry (373 hits)
Regarding industry and environment combined:
19 hits
Total size 4950 records
Update frequency monthly
Host: ESA-IRS

Name ACOMPLINE/URBALINE
Owner London Research Centre
Country coverage international
Address London
United Kingdom
Main descriptor bibliographic database
Type of info computerized
Document coverage books, articles, research reports
pressure group literature
newspapers and press releases
Relevance Regarding environmental aspects:
-environment (13854 hits)
-pollution (6216 hits)
-waste (4829 hits)
-acid rain (381 hits)
Regarding industrial aspects:
-industry (18377 hits)
Regarding industry and environment combined:
1599 hits
Total size 225.460 records
Update frequency monthly
Host: ESA-IRS

Name	AFEE
Owner	Association Francaise pour l'etude des Eaux internationale
Country coverage	international
Address	Paris France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, books reports conference papers and proceedings
Language coverage	English French German others
Relevance	Regarding environmental aspects: -environment (1705 hits) -pollution (19202 hits) -waste (3631 hits) -acid rain (0 hits) -effluent (6007 hits) Regarding industrial aspects: -industry (11875 hits) Regarding industry and environment combined: 354 hits
Total size	86.170 records
Update frequency	monthly
Host:	ESA-IPS

Name	ALUMINIUM
Owner	Material Information
Country coverage	International
Address	1)The Institute of Metals London, U.K. 2)ASM International Ohio, USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, patents, dissertations, academic, governmental and corporate reports
Relevance	Regarding environment and industry combined: 640 hits
Total size	161.780 records
Update frequency	monthly
Host:	ESA-IPS

Name AQUALINE
Owner Water research Centre
Country coverage international-
Address Elder Way
 Stevenage SG1 1TH
 U.K.
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, conference papers, books,
 newsletters,
 academic, governmental and corporate reports
Relevance Regarding environmental aspects:
 -analysis of water and wastes
 -water treatment
 Regarding industrial aspects:
 -industrial wastes
Total size n.d.
Update frequency n.d.
Host: ORBIT

Name ASFA
Owner Cambridge Information Group
Country international
Address Bethesda, Maryland
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, (5.000 journals), books
 conference proceedings
 reports
 maps
Relevance Regarding environmental aspects:
 -environment (34.433 hits)
 -pollution (20.477 hits)
 -waste (5.459 hits)
 -acid rain (765 hits)
 -effluent (2.169 hits)
 Regarding industrial aspects:
 -industry (10.018)
 Regarding industry and environment combined:
 1054 hits
Total size 274.650 records
Update frequency monthly
Host: ESA-IRS
 DIALOG

Name	Bibliography of Earth Sciences
Owner	CNR Centro Alpi Centrali
Country coverage	international
Address	Via Boticelli 23 20133 Milano Italy
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, books congress proceedings maps technical reports theses
Relevance	Regarding environmental aspects: covers in particular surface water pollution Regarding industrial aspects: -industry: n.d.
Total size	245.000 records
Update frequency	half year
Host:	accessible through ASTRA

Name	BIIPAM-CTIF
Owner	Centre de Recherche de Pont-a-Mousson
Country coverage	International
Address	Pont-a-Mousson France
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, standards reports
Languages:	English French German
Relevance	Regarding industry and environment combined: 77 hits
Total size	90.900 records
Update frequency	10 per year
Host:	E3A-IES

Name BIOBUSINESS
 Owner BIOSIS
 Country coverage international
 Address Philadelphia, Pennsylvania
 USA
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles, (500 journals), books
 brief research communications
 proceedings
 patents
 newsletters, review papers
 Relevance Regarding environmental aspects:
 -environment (18.770 hits)
 -pollution (15.802 hits)
 -waste (26.531 hits)
 -acid rain (536 hits)
 -effluent (1.377 hits)
 Regarding industrial aspects:
 -industry 160.704 hits)
 Regarding industry and environment combined:
 9.537 hits
 Total size 327.690 records
 Update frequency weekly
 Host: ESA-IPS
 DIALOG

Name BIOSIS
 Owner BIOSIS
 Country international
 Address Philadelphia, Pennsylvania,
 USA
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles, (9.000), books
 reports
 letters
 notes
 proceedings of symposia
 Language English
 Relevance Regarding environmental aspects:
 -environment (
 -pollution (66.038 hits)
 -waste (26.531 hits)
 -acid rain (0 hits)
 -effluent (9.815 hits)
 Regarding industrial aspects:
 -industry (106.345 hits)
 Regarding industry and environment combined:
 5.256 hits
 Total size 7.198.250 records
 Update frequency twice per month
 Host: ESA-IPS
 DIALOG

Name BSI STANDARDLINE
 Owner British Standard Institution
 Country coverage U.K.
 Address Milton Keynes
 U.K.
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage current British Standards
 Relevance Regarding industry and environment combined:
 4 hits
 Regarding industry:
 all branches of engineering,
 materials
 building and construction
 testing, safety, reliability
 Total size 14.900 (August 1990)
 Update frequency monthly
 Host: ESA-IRS

Owner CAB International
 Name CAB
 Country international
 Address Wallingford
 United Kingdom
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles (8.500 journals), books
 conference proceedings
 reports
 Relevance Regarding environmental aspects:
 -pollution (23.834 hits)
 -waste (20.859 hits)
 -acid rain (1.064 hits)
 -effluent (5.781 hits)
 Regarding industrial aspects:
 -industry (64.359 hits)
 Regarding industry and environment combined:
 3.707 hits
 Total size 2.557.990 records
 Update frequency monthly
 Host: ESA-IRS
 DIALOG

Name CETIM
Owner Centre Technique des Industries Mechaniques
Country coverage France
Address Senlis
 France
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, conference papers, books,
 theses
 reports
Relevance Regarding industry and environment combined:
 114 hits
 Regarding industrial aspects:
 -mechanical engineering
 -metals
Total size 93.510 records
Update frequency monthly
Host: ESA-IRS

Name CHEMABS
Owner Chemical Abstracts Service
Country coverage international
Address Columbus, Ohio
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles (14.000 periodicals), books
 patents (issued by 26 countries)
 conference proceedings
 dissertations
 technical reports
Relevance Regarding environmental aspects:
 -environment (62.484 hits)
 -pollution (119.967 hits)
 -waste (190.338 hits)
 -acid rain (0 hits)
 -effluent (33.247 hits)
 Regarding industrial aspects:
 -industry (71.784 hits)
 Regarding industry and environment combined:
 7.957 hits
Total size 9.624.920 records
Update frequency every 2 weeks
Host: ESA-IRS
 DIALOG
 ORBIT

Name	Chemical Safety Newsbase
Owner	Royal Society of Chemistry
Country coverage	international
Address	Cambridge U.K.
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, audio visual materials press releases
Relevance	Regarding environmental aspects: -safety precautions -chemical hazards -legislation -plant and laboratory design -waste management -storage Regarding industry and environment combined: 279 hits
Total size	23.360 records
Update frequency	monthly
Host:	DIALOG ESA-IRS ORBIT

Name	CISDOC
Owner	International Occupational Safety and Health Information Centre
Country coverage	international
Address	Geneva Switzerland
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, laws research reports standards datasheets
Relevance	Regarding environmental aspects: -industrial toxicology -accident prevention -safety engineering and hazards Regarding industry and environment combined: 836 hits
Total size	34.920 records
Update frequency	monthly
Host:	ESA-IRS

Name	COMPENDEX
Owner	Engineering Information Inc.
Country coverage	international
Address	New York, N.Y. USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles (4.500 journals), books conference proceedings proceedings of meetings technical reports
Relevance	Regarding environmental aspects: -environment (87.494 hits) -pollution (47.635 hits) -waste (47.071 hits) -acid rain (886 hits) -effluent (11.494 hits) Regarding industrial aspects: -industry (129.473 hits) Regarding industry and environment combined: 10.049 hits
Total size	2.717.770 records
Update frequency	monthly
Host:	Cedocar Data Star DIALOG ESA-IRS ORBIT Questel

Name	Conference Papers Index
Owner	Cambridge Information Group
Country coverage	international
Address	Bethesda, Maryland USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	conference papers
Relevance	Regarding environmental aspects: -environment (24.097 hits) -pollution (9.349 hits) -waste (10.418 hits) -acid rain (0 hits) -effluent (1.312 hits) Regarding industrial aspects: -industry (22.410 hits) -in particular chemical engineering Regarding industry and environment combined: 1.923 hits
Total size	1.431.463 records
Update frequency	every two months
Host:	DIALOG ESA-IRS

Name Delft Hydro
 Owner Delft Hydraulics Laboratory
 Country coverage international
 Address Delft
 The Netherlands
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles, conference papers, books,
 technical reports
 in particular material with limited
 circulation
 Relevance Regarding industry and environment combined:
 140 hits
 Regarding industrial aspects:
 in particular applications of fluid
 mechanics in engineering
 Total size 64.590 records
 Update frequency no update any more
 Host: ESA-IRS

Name DIN German Standards
 Owner Deutsches Institut für Normung e.V.
 Country coverage Germany
 Address Berlin
 F.R.G.
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage national and international standards
 Relevance Regarding industry and environment combined:
 142 hits
 Total size 48.000 records (August 1990)
 Update frequency monthly
 Host: ESA-IRS

Name EDF DOC
 Owner Electricite de France
 Direction des Etudes et Recherches
 Country coverage international
 Address Clamart
 France
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage conference proceedings
 internal reports
 Relevance Regarding environment:
 -environmental impact
 -pollution
 Regarding industry:
 -in particular electrical engineering
 -electric power production
 Regarding industry and environment combined:
 2950 hits
 Total size 417.000 records (August 1990)
 Update frequency monthly
 Host: ESA-IRS
 Questel

Name ENERGYLINE
 Owner R.R.Bowker Co.
 Country coverage international
 Address New York, N.Y.
 USA
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles (mainly published in USA)
 conference proceedings
 special reports
 statistics
 speeches
 Relevance Regarding environmental aspects:
 -environment (8.681 hits)
 -pollution (8.154 hits)
 -waste (11.422 hits)
 -acid rain (160 hits)
 -effluent (816 hits)
 Regarding industrial aspects:
 -industry (18.232 hits)
 Regarding industry and environment combined:
 1.452 hits
 Total size 105.430 records
 Update frequency monthly
 Host: DIALOG
 ESA-IRS
 ORBIT

Name Engineered Materials Abstracts
 Owner Materials Information
 Country coverage international
 Address 1) The Institute of Metals
 London, U.K.
 2) ASM International
 Metals Park, Ohio, USA
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles, conference papers, books,
 patents
 reports
 Relevance Regarding industry and environment combined:
 171 hits
 Regarding industrial aspects:
 -in particular polymers and ceramics industry
 Total size 83.550 records
 Update frequency monthly
 Host: DIALOG
 ESA-IRS
 ORBIT

Name ENVIROLINE
 Owner R.R.Bowker Co.
 Country coverage international.
 Address New York, N.Y.
 USA
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles (5,000 journals, majority published
 in USA)
 special reports
 conference proceedings
 Relevance Regarding environmental aspects:
 -environment (31.878 hits)
 -pollution (31.311 hits)
 -waste (29.900 hits)
 -acid rain (1.672 hits)
 -effluent (6.613 hits)
 Regarding industrial aspects:
 -industry (16.830 hits)
 Regarding industry and environment combined:
 3.354 hits
 Total size 148.150 records
 Update frequency monthly
 Host: DIALOG
 DIMDI
 ESA-IRS
 ORBIT

Name Environmental Bibliography
 Owner: Environmental studies Institute
 Country coverage international
 Address: Santa barbara
 USA
 Relevance Regarding environment:
 -human ecology
 -atmospheric studies
 -land resources
 -pollution
 -water resources
 Regarding industry:
 -energy
 Regarding industry and environment combined:
 1.450 hits
 Size: 398.700 records (January 1991)
 Update frequency: every two months
 Host DIALOG

Name	FLUIDEX
Owner	BHRA Fluid Engineering
Country coverage	international
Address	Bedford, U.K.
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, (1.000 journals), books conference papers, standards patents reports
Relevance	Regarding industry and environment combined: 585 hits Regarding industrial aspects: -in particular engineering, mechanical engineering Regarding environmental aspects: -in particular water management
Total size	239.700 records
Update frequency	every three months
Host:	DIALOG ESA-IRS

Name	GLASSFILE
Owner	International Commission on Glass
Country coverage	International
Address	Murano, Venezia Italy
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, dissertations patents
Relevance	Regarding environmental aspects: -pollution -environmental health Regarding industrial aspects: -glass industry Regarding industry and environment combined: 26 hits
Total size	80.760 records
Update frequency	every two months
Host:	ESA-IRS

Name	Hard Sciences
Owner	Cambridge Information Group
Country coverage	international
Address	Bethesda, maryland USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, dissertations patents governmental reports
Relevance	Regarding environmental aspects: -health and safety Regarding industrial aspects: -in particular mechanical engineering -material sciences Regarding industry and environment combined: 2.593 hits
Total size	435.510 records
Update frequency	monthly
Host:	ESA-IRS

Name	HEATFLO
Owner	Harwell Laboratory Heat Transfer and Fluid Flow Service
Country coverage	international
Address	Harwell U.K.
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, theses reports
Relevance	Regarding environmental aspects: -fluid flow phenomena Regarding industrial aspects: -in particular mechanical engineering Regarding industry and environment combined: 106 hits
Total size	74.040 records
Update frequency	every two months
Host:	ESA-IRS

Name	HSELINE
Owner	Health and Safety Executive
Country coverage	international
Address	Sheffield U.K.
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books, legislation reports
Relevance	Regarding environmental aspects: -pollution of working environment -toxic substances -environmental hazards Regarding industrial aspects: -in particular manufacturing industries -mining -general technology Regarding industry and environment combined 947 hits
Total size	130.530 records
Update frequency	monthly
Host:	ESA-IRS ORBIT

Name	International Pharmaceutical Abstracts
Owner	American Society of Hospital Pharmacists
Country coverage	international
Address	Bethesda, maryland USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, (650 journals) communications, editorials letters notes and reviews
Relevance	Regarding industry and environment combined: 126 hits Regarding industrial aspects: -in particular pharmaceutical industry
Total size	183.030 records
Update frequency	monthly
Host:	DIALOG ESA-IRS

Name INSPEC
Owner The Institution of Electrical Engineers
Country coverage international
Address Stevenage
 U.K.
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, conference papers, books,
 dissertations
 reports
Relevance Regarding industry and environment combined:
 4.518 hits
 Regarding industrial aspects:
 -in particular electrical engineering
 -control technology
Total size 3.864.310 records
Update frequency monthly
Host: DIALOG
 ESA-IRS
 ORBIT

Name ISMEC
Owner Cambridge Information Group
Country coverage international
Address Bethesda, Maryland
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, (750 journals), books
 conference papers,
 reports
Relevance Regarding industry and environment combined:
 679 hits
 Regarding industrial aspects:
 -in particular mechanical engineering
 -production engineering
 -engineering management
Total size 233.690 records
Update frequency every two months
Host: DIALOG
 ESA-IRS

Name ITALPAT
Owner Informacijski Center
Country coverage Italy
Address Ljubljana
 Yugoslavia
Main descriptor bibliographic database
Type of info computerized
Document coverage patents
 model applications
Relevance Regarding industry and environment combined:
 12 hits
Total size 133.800 records
Update frequency every three months
Host: ESA-IRS

Name	Materials Business
Owner	Materials Information
Country coverage	international
Address	1) The Institute of Metals London, U.K. 2) ASM International Metals Park, Ohio, USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, books.
Relevance	Regarding environmental aspects: -environmental issues in general -health and safety Regarding industrial aspects: -materials and processes Regarding industry and environment combined: 603 hits
Total size	66.940 records
Update frequency	monthly
Host:	ESA-IRS

Name	METADEX
Owner	Materials Information
Country coverage	international
Address	1) The Institute of Metals London, U.K. 2) ASM International Metals park, Ohio, USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, (2.000 journals), books conference papers, patents reports
Relevance	Regarding industry and environment combined: 2.038 hits Regarding industrial aspects: -materials sciences -metals
Total size	847.310 records
Update frequency	monthly
Host:	DIALOG ESA-IRS ORBIT

Name Metals Datafile
 Owner Materials Information
 Country coverage international
 Address 1) The Institute of Metals
 London, U.K.
 2) ASM International
 Metals park, Ohio, USA
 Main descriptor numerical database
 Type of info computerized
 Document coverage technical publications
 handbooks
 data collections
 Data coverage: mechanical and physical properties
 composition and specification
 Relevance Regarding industry and environment combined:
 6 series
 Total size 27.600 records
 Update frequency monthly
 Host: ESA-IRS
 ORBIT

Name MHIDHS
 Owner Health and Safety Executive
 Country coverage international
 Address Sheffield
 U.K.
 Main descriptor bibliographic database
 Type of info computerized
 Document coverage articles,
 newspapers
 corporate reports
 Relevance Regarding environmental aspects:
 -health and safety
 Regarding industrial aspects:
 -hazardous materials
 Regarding industry and environment combined:
 1 hit (i.e specific terms have to be used
 within the domains of materials and safety)
 Total size 4.690 records
 Update frequency every three months
 Host: ESA-IRS

Name	MIRA
Owner	Motor Industry Research Association
Country coverage	international
Address	Nuneaton U.K.
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	articles, conference papers, newspapers reports
Relevance	Regarding environmental aspects: -environmental impact Regarding industrial aspects: -in particular mechanical engineering -transportation Regarding industry and environment combined: 87 hits
Total size	42.830 records
Update frequency	monthly
Host:	ESA-IRS

Name	NTIS
Owner	National Technical Information Service
Country coverage	United States
Address	Springfield, Virginia USA
Main descriptor	bibliographic database
Type of info	computerized
Document coverage	governmental reports
Relevance	Regarding industry and environment combined: 10.708 hits
Total size	1.501.420 records
Update frequency	every two weeks
Host:	DIALOG ESA-IRS ORBIT

Name OCEANIC
Owner Cambridge Information Group
Country coverage international
Address Bethesda, Maryland
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, books
 technical reports
 conference proceedings
Relevance Regarding environmental aspects:
 -environment (20.154 hits)
 -pollution (12.686 hits)
 -waste (3.583 hits)
 -acid rain (58 hits)
 -effluent (1202 hits)
 Regarding industrial aspects:
 -industry (11.212 hits)
 Regarding industry and environment combined:
 665 hits
Total size 221.970 records
Update frequency monthly
Host: DIALOG
 ESA-IRS

Name PASCAL
Owner Centre National de la Recherche Scientifique
 Institut d'Information Scientifique et Techn.
Country coverage international
Address Vandoevres-les-Nancy
 France
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, books
 patents
 conference proceedings
 theses
 reports
Language: French
 titles and keywords in English
 keywords in Spanish
Relevance Regarding environmental aspects:
 -environment (191.220 hits)
 -pollution (93.694 hits)
 -waste (38.835 hits)
 -acid rain (1.442 hits)
 -effluent (17.622 hits)
 Regarding industrial aspects:
 -industry (162.443 hits)
 Regarding industry and environment combined:
 4.286 hits
Total size 7.879.900 records
Update frequency monthly
Host: DIALOG
 ESA-IRS
 Questel

Name POLLUTION
Owner Cambridge Information Group
Country coverage international
Address Bethesda, Maryland
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, books
 conference proceedings
 technical reports
Relevance Regarding environmental aspects:
 -environment (46.859 hits)
 -pollution (53.891 hits)
 -waste (40.770 hits)
 -acid rain (14 hits)
 -effluent (9.419 hits)
 Regarding industrial aspects:
 -industry (25.842 hits)
 Regarding industry and environment combined:
 7.318 hits
Total size 165.060 records
Update frequency every two months
Host: Data Star
 DIALOG
 ESA-IRS

Name SIGLE
Owner British Library
 Environmental Information Service
Country coverage international
Address Boston Spa
 U.K.
Main descriptor bibliographic database
Type of info computerized
Document coverage grey literature:
 pamphlets
 booklets
 reports
 theses
 conference proceedings
Relevance Regarding environmental aspects:
 -environmental pollution and control:
 2.895 hits
 air pollution and contr.: 544 hits
 noise pollution a contr.: 71 hits
 water pollution a contr.: 631 hits
 solid waste 195 hits
 Regarding industrial aspects:
 -waste recycling 144 hits
 Regarding industry and environment combined:
 1.275 hits
Total size 225.000 records (December 1990)
Update frequency n.d.
Host: BLAISE

Name Water resources Abstracts
Owner U.S. Dept. of Interior
Country coverage international
Address Reston, VA
 USA
Main descriptor bibliographic database
Type of info computerized
Document coverage articles, conference papers, books,
 patents
Relevance Regarding industry and environment combined:
 9.650 hits
Total size 229.280 records (January 1991)
Update frequency monthly
Host: DIALOG

Name World Translation Index
Owner International Translation Centre
Country coverage: international
Address Delft
 The Netherlands
Main descriptor bibliographic database
Type of info computerized
Document coverage articles
Relevance Regarding environment:
 -environment 9.097 hits
 -environmental control and protection
 680 hits
 Regarding industry:
 -industry 5895 hits
 Regarding industry and environment combined
 469 hits
Language coverage all languages into Western languages
 from other Western languages into
 -French
 -Spanish
 -Portuguese
Size 305.000 records (August 1990)
Update frequency monthly
Host ESA-IRS

4. DETAILS ON SELECTED HOST SERVICES

The host services specified in connection with the access to relevant databases can be contacted as follows:

Name ASTRA
Remark This is an access method allowing the access to a
 database through EARN

Name BLAISE
Address The British Library
 Information Services
 Boston Spa
 Wetherby, LS23 7BQ
 U.K.
Telephone 44(937)546-602
Telefax 44(937)546-333

Name BRS
Address Maxwell Online
 Achilles House
 Western Avenue
 London W3 0UA
 U.K.
Telephone 44(81)992-3456
Telefax 44(81)993-7335

Name CEDOCAR
Address 26, Blvd Victor
 00460 Armees
 France
Telephone 33(1)45-526048

Name DATA-STAR
Address Plazza Suit
 114 Jermyn Street
 London SW1Y 6HJ
 U.K.
Telephone 44(71)930-7646
Telefax 44(71)930-2531

Name DIALOG-France
Address 76 Avenue Parmentier
 75011 Paris
 France
Telephone 33(1)40-212424

Name DIMDI
Address Weissshausstrasse 27
Postfach 420580
5000 Koln 11
FRG
Telephone 49(221)47-241

Name ESA-IRS
Address Via Galileo Galilei
00044 Frascati
Italy
Telephone 39(6)94-1801
Telefax 39(6)94-1803-61

Name FIZ Technik
Address Ostbahnhofstrasse 13
Postfach 60 05 47
8000 Frankfurt/M. 1
FRG
Telephone 49(69)43-08-225
Telefax 49(69)43-08-200

Name ORBIT
Address 8000 Westpark Drive, Suite 400
McLean, VA 22102
USA
Telephone 1(703)442-0900
Telefax 1(703)893-4632

Name QUESTEL
Address 83-85 Blvd Vincent Auriol
75013 Paris
France
Telephone 33(1)44-236464
Telefax 33(1)44-236465