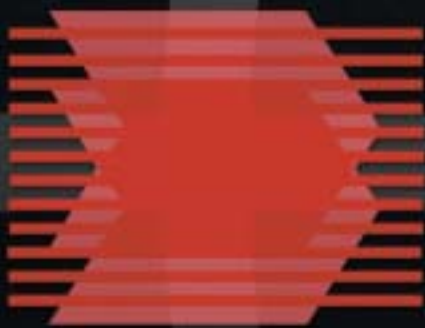


2003

# ETDE Annual Report

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ENERGY  
TECHNOLOGY  
DATA  
EXCHANGE



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Scattered throughout this report are a few examples of feedback gained from *ETDEWEB* users through a recent user questionnaire.

"Your service is almost perfect and your database is the most comprehensive of all. This is actually what matters to my research."

Brazil

Managing Editor: Debbie Cutler  
Designer: Carolyn Paskel

# Chair's Statement

"The year 2003 was a significant one for ETDE"

I seem to have prefaced all my Annual Statements with similar sentiments, but surely this year it is truer than ever. 2003 has been perhaps the most difficult year we have faced since our inception, with three of our member countries leaving ETDE. But in spite of these serious setbacks, our members have sufficient faith in ETDE's future to embark on a further 5-year term. The Executive Committee meeting in Montreux, Switzerland, unanimously recommended we request our parent body, the International Energy Agency, that the ETDE agreement be renewed for another five-year term. Then, in June, the IEA Committee on Energy Research and Technology (CERT) formally agreed to the extension. This secures our future as part of the IEA family of Implementing Agreements until 2008.

But ETDE is going into the new period without two of its long-standing members, Japan and Belgium. Italy has also formally made it known that they, too, will be leaving ETDE at the end of 2004. ETDE gives its thanks to all the contracting party organisations for their many years of participation and regrets the circumstances that prevent their continuation. We are losing some good friends. And these departures will have very serious implications for our finances, and for the content of the database.

Other IEA information centres face a similar challenge of reduced membership and support. The perception that the Internet solves all information-related needs seems more prevalent than ever. What is not readily acknowledged is that the information doesn't get there by magic—it takes effort and resources.

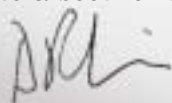
Against this difficult background it is easy to overlook our achievements during 2003. We must not do so. Progress has been made for authorising

developing country access to the database, broadening ETDE's impact throughout the world. A significant milestone was reached in fulfilling a major element in the previous 5-year plan: the expansion of the *ETDEWEB* version of ETDE's Energy Database. As of August, *ETDEWEB* gained historical ETDE information back to 1987 as well as historical U.S. DOE information back to 1974. Over 3 million records are now available through *ETDEWEB*.

I wish to record my thanks and appreciation to our outgoing vice chairs, Ms. Birgit Pedersen, Denmark, and Ms. Christa Brûlet, France, both of whom have given invaluable service to ETDE. Fortunately, both will continue to serve on the Executive Committee, so that we can continue to benefit from their wisdom and experience. We welcome incoming vice chairs Margaret Ahearn, Canada, and Hillebrand Verkroost, The Netherlands.

As we move into 2004, ETDE is facing difficult times. But we are not ignoring the crisis we face, hoping it might go away. The members have been prepared to take tough decisions, making cuts in some areas and agreeing to an increase in contribution levels. Doubtless there will be more hard choices to make when we meet in Canada in May. But I know that the CERT and End Use Working Party were impressed by our strategic plan for the next 5 years. Portugal continues to show intent to join ETDE in the near future. There is therefore every reason to believe that ETDE has the resolve and determination to see its way through the current problems.

When the Executive Committee agreed to extend the Agreement for a further five years it was the strongest possible signal that its membership continues to value ETDE and are determined that we will survive, and flourish, in the coming years. I am grateful to the members for their support. I know that if we continue to show firm resolve we will see this through together. And next year, the chair will be able to say 2004 was a significant one for ETDE, the year it emerged from uncertainties to a secure future.



David Irving, ETDE Chair



# About ETDE

## ETDE MISSION:

“ To provide governments, industry and the research community in the member countries with access to the widest range of information on energy science & technology in a cost effective and user friendly manner”

The Energy Technology Data Exchange (*ETDE*) was founded in 1987 as an Implementing Agreement under the auspices of the International Energy Agency. Its principal purpose has been to collect and disseminate information relating to energy research, science and technology. The principal activity of ETDE is building a bibliographic database called ETDE's Energy Database, which today gives people access to over 4 million records. The aim of ETDE is to increase awareness and understanding of energy science & technology, to foster technology transfer, to help avoid unnecessary duplication of R&D, and to provide a tool to support policy decisions. ETDE has defined its mission as:

*“ To provide governments, industry and the research community in the member countries with access to the widest range of information on energy science & technology in a cost effective and user friendly manner”*

Although the vision today is much the same as in 1987, new information technologies are facilitating timelier global sharing of information and a greater ability to share the full text of the documents being referenced in the bibliographic database records. ETDE members agreed in 2003 to update the overall objectives of ETDE to the following:

1. to compile and maintain a database on energy related information
2. to disseminate energy related information
3. to explore, and where appropriate develop, other ways of collecting and disseminating energy related information
4. to support the work of the International Energy Agency

“Congratulations to all the people involved in this (ETDE) effort of ‘Global Knowledge’”.

Mexico

ETDE operates in both a centralized and decentralized way. Member countries have obligations and responsibilities (*see the section About Membership*). There is also a central Operating Agent (OA) funded and staffed to provide management, database, and administrative support. Representatives from each member country form an Executive Committee, with an elected Chair, which sets the policy and direction for ETDE. In 2003, 18 countries were members, spanning four continents: Asia (*Japan and the Republic of Korea*); Europe (*Belgium, Denmark, Finland, France, Germany, Italy, The Netherlands, Norway, Spain, Sweden, Switzerland, and the United Kingdom*); North America (*Canada, Mexico and the United States*), and South America (*Brazil*). The Operating Agent continued to be the U.S. Department of Energy’s Office of Scientific and Technical Information.

To achieve the first two objectives, each member creates bibliographic records and abstracts of nationally published, energy-related literature to contribute to the database. Members then feed the information to the Operating Agent for merging into the ever-growing database. ETDE disseminates this information via *ETDEWEB* and other country-developed products (*See the ETDE Database in 2003 section for subject areas covered and access details*).

The second two objectives are less concrete but equally important to the overall success of ETDE. ETDE will be looking at new technologies and techniques as well as strengthening and building new strategic partnerships to achieve these objectives in the coming years.

ETDE retains its vision of being “best in class” as a key provider of energy information.



# ETDE in 2003

## ETDE Renewal

2003 marks the end of the current five-year operating term of the ETDE Implementing Agreement. Much activity over the year focused on meeting milestones as part of the agreement renewal process. Following the 2002 meetings, a concerted effort was made to finalize the new ETDE strategic plan, with input coming from several members. A subgroup of ExCo members also put together a document called “Arguments and answers for the continuation of ETDE” to help members discuss the renewal with policymakers. Countries were polled about their intentions to continue in the next operating period and the required End of Term report was prepared and distributed to members and IEA entities. ETDE Chair David Irving made presentations at key meetings of the End-Use Working Party and the Committee on Energy Research and Technology (*CERT*). The Executive Committee in May unanimously agreed to request *CERT* to grant a five-year extension of the ETDE Agreement. *CERT* did so at its June 2003 meeting.

## Database Developments



# ETDEWEB

## ETDE World Energy Base

Results from the *ETDEWEB* survey were analyzed and the results distributed in 2003. Feedback received was very positive. Over 600 responses to the questionnaire were received from users of *ETDEWEB* in 16 of the 18 ETDE member countries. Overall, 98% of the respondents indicated satisfaction with the *ETDEWEB* product (83% ‘Satisfied’ and 15% ‘Extremely Satisfied’). Only 8 respondents (2%) indicated ‘Dissatisfaction’ with the product and no respondents reported ‘Extreme Dissatisfaction’ with

*ETDEWEB*. Primary occupations of respondents to the questionnaire were engineers, scientists, and information specialist/librarians. The main negative aspect of the survey was the poor response rate in several countries.

Another major development regarding *ETDEWEB*, as noted elsewhere in this annual report, was the influx of historical information. By the end of calendar year 2003, over 3,110,000 records were available to users, tripling the amount of information previously available. Over 104,000 electronic full text documents were directly available from the Operating Agent site, with thousands of more records having links to full text stored at other sites throughout the world. Members have been making increased efforts to provide either full text or these links, and 2003 was a banner year for the number provided.

ETDE's 25th Executive Committee meeting was held in Montreux, Switzerland 20–22 May 2003. Representatives from 16 of ETDE's 18 countries were in attendance. In addition to the agreement renewal discussions, members had lengthy budget discussions to deal with financial impacts of countries that were not renewing their participation in ETDE. The new strategic plan was finalized and a key policy decision reached on allowing developing countries access to ETDE's database information. Guidelines for non-member access were agreed to, with access ranging from 'free' to 'not permitted without membership'. While the list of eligible developing countries is not quite finalized (*a few member countries have not yet sent back their approval lists*), early 2004 should result in greater dissemination of ETDE's information throughout the world.

Technical meetings were held just after the end of the fiscal year, but prior to the end of the calendar year. The 18th Technical Working Group and 9th ETDE/INIS Joint Technical Committee meetings were held during the week of 13 October 2003 in Vienna,

## Meetings and Decisions

Austria. Members agreed to a revised schedule of implementation of the new XML Exchange format and to interim changes to the Fibre input software until new input tools were completed. Members also agreed to join CrossRef as a way to possibly add more links in the form of DOI's to journal records cited in the database. The OA was asked to look into possible arrangements with the publisher Elsevier to facilitate more complete coverage of journal literature, similar to recent INIS initiatives. Progress in the computer-aided indexing arena has also been made, primarily on the INIS side, but with possible benefits to the ETDE community as well. Members agreed that the ability to download citations should be the next possible enhancement for *ETDEWEB*, based on survey results. The OA will provide a cost estimate for review in 2004.

ETDE was asked to participate in the Energy Technology Collaboration Fair held in conjunction with the IEA Ministerial meeting in Paris, France, in April 2003. Vice Chair Christa Brûlet represented ETDE, and reported a favorable reception. The ETDE poster was updated and a special PowerPoint presentation made for the event.

## Membership

Eighteen countries continued as full members in 2003. As noted in the Chair's statement, ETDE is losing Belgium and Japan at the beginning of 2004 and Italy at the end of 2004, barring a new contracting party being identified. On the positive side, discussions with Portugal in 2003 have indicated intent to join and New Zealand has been strongly considering membership. Even at 15 countries, ETDE remains as one of the larger IEA agreements in terms of country participation.

## 25th ETDE Executive Committee Meeting Held in Switzerland



**Top row:** EUWP Chair (Switzerland): Peter Cunz; **Rep. of Korea:** Heesung Shin; **United States:** Brian Hitson; **Germany:** Eike Hellmann; **United States:** Chuck Morgan; **Sweden:** Åke Hügard; **The Netherlands:** Hillebrand Verkroost

**Middle:** **Rep. of Korea:** Heung-Joo Lee; **Japan:** Keizo Itabashi; **Canada:** Margaret Ahearn; **Finland:** Marjatta Aarniala; **Switzerland:** Fritz Gassmann; **Spain:** Ester Martín-Santamaría; **IAEA/INIS:** Yves Turgeon; **Mexico:** Jaime Pontigo; **IAEA/INIS:** Yanko Yanev; **Brazil:** Ailton Fernando Dias; **IEA Secretariat:** Mitsuhide Hoshino

**Bottom:** **Norway:** Astrid Gudmundseth; **Switzerland:** Christophe de Reyff; **Denmark:** Birgit Pedersen; **United Kingdom:** David Irving (*Chair*); **France:** Christa Brûlet; **Operating Agent Representative:** Debbie Cutler; **Operating Agent Staff:** Sue Davis

# ETDE Database in 2003

## Database Contents

ETDE's Energy Database is the primary result of ETDE member country collaborations and strategic partnerships. Members expend significant effort in creating database records describing energy-related publications in their own country. This input is augmented worldwide in several subject areas via the partnerships. These efforts include identification of publications in ETDE's subject scope, acquisition, bibliographic description, subject indexing, and the creation of English language abstracts. Efforts to make the full text of the publications electronically available are also emphasized to best serve the user community.

In fiscal year 2003, the ETDE's Energy Database grew by over 118,000 new records. Chart A shows the distribution regarding where the information was published and/or the source. Chart B shows the subject area distribution for the fiscal year. In both cases, this year's statistics have been somewhat skewed from the normal distribution due to a large influx of material thanks to INIS initiatives with publishers. Given the growing burden of covering information from increasingly large international publishing conglomerates, INIS, in cooperation with many of its members, has had success in overcoming the gaps in coverage from these sources over the past few years. Since all ETDE members are also members of INIS, the ETDE database also benefits from these initiatives.

In addition to input from member countries and INIS, ETDE continued its collaboration

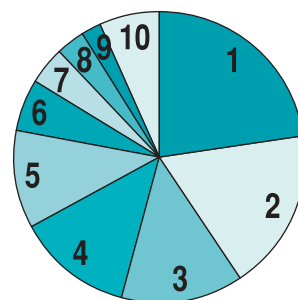


Chart A  
Records by Country/Source

1. INIS . . . . .	22.7%
2. Netherlands . . . . .	18.0%
3. United Kingdom . . . . .	13.6%
4. United States . . . . .	12.9%
5. Germany . . . . .	10.9%
6. Japan . . . . .	5.8%
7. Korea, Rep. of . . . . .	4.2%
8. France . . . . .	3.2%
9. Canada . . . . .	2.2%
10. Other . . . . .	6.7%

*(Other includes records from Switzerland, Brazil, IEA Clean Coal Centre, Sweden, Norway, Spain, Denmark, Mexico, Finland, and Italy.)*

with the IEA Clean Coal Centre, receiving greater global coverage in the fossil fuels area as well as in the field of global climate change.

Members' efforts to increase the amount of full text electronically available to users showed significant progress in 2003. The number of publications available through the Operating Agent numbered over 6500. Over 22,000 additional records had a hyperlink included to either provide the user with direct access to the publication itself at the source or to more information about how it could be obtained.

ETDE's Energy Database information is available through several mechanisms. Each of these offers advantages to the user. ETDE itself offers database information on the Internet through the ETDE World Energy Base or *ETDEWEB* (<http://www.etde.org/etdeweb>). Prior to August 2003, ETDEWEB only covered database information collected since 1995. ETDEWEB modifications in August have now provided

## Database access

users access to historical ETDE information from 1987 forward, plus historical information collected by the U.S. Department of Energy (*DOE*) back to 1974. This means users have access to over 3 million citations to energy-related literature via this Web system.

Two commercial vendors also offer access to ETDE's information. Both STN International and Dialog offer the database information online; Dialog also has a CD-ROM product. Both products offer the full database, including the DOE collected information back to 1974. On Dialog, the file is known as file 103 or the Energy Science and Technology Database

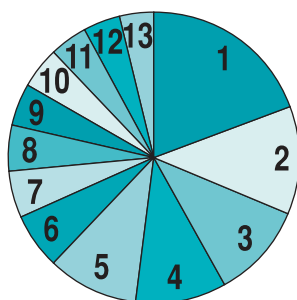


Chart B

### Input by Subject Category

1. Physics . . . . .	19.3%
2. Biomedical Sciences . . . . .	12.0%
3. Materials . . . . .	10.6%
4. Accelerators & Instrumentation . . . . .	10.1%
5. Fission Reactor & Isotope Technologies . . . . .	10.1%
6. Chemistry & Geology . . . . .	6.2%
7. Fossil Fuels . . . . .	5.2%
8. Energy Policy & Planning/Misc. . . . .	5.1%
9. Renewable Energy . . . . .	4.7%
10. Environmental Sciences . . . . .	4.6%
11. Energy Conservation, Storage, & Use . . . . .	4.2%
12. General/Power Engineering. . . . .	4.1%
13. Plasma Physics & Fusion. . . . .	3.8%

(<http://library.dialog.com/bluesheets/html/bl0103.html>). On STN, the file is known as Energy (<http://www.fiz-karlsruhe.de/stn/Databases/energy.html>).

In addition to these products, member organizations can provide database access within their national borders, and several ETDE members do so. Member services are tailored to meet the specialized needs of their researchers, policymakers, and other customers. Such services include selective dissemination of information (*SDI*) programs, in-house database systems, full-text delivery services, special searching services, and publications containing database abstracts in specific subject areas.

## Database Usage Statistics

There is use made of the commercial online and CD-ROM products and the in-house systems. It has been difficult, however to find common metrics between the various systems to report this usage. ETDE is working toward getting better information in this area. In the meantime, ETDE will begin reporting on *ETDEWEB* usage as part of the annual report.

As of the end of September 2003, 14,889 individual users were registered in *ETDEWEB*. 7,309 IP addresses were also registered. A single IP address may represent many potential users within an organization.

Usage information is collected for logins and downloads of full text. Total monthly logins (*both by individual accounts and by IP address*) are shown in Chart C. The monthly full-text downloads are shown in Chart D. Be aware that the download counts do not reflect the full picture related to how many users are benefiting from the full text available. These figures only reflect those documents available from the Operating Agent site. There are many more accesses made to the full text available off-site, but these are currently not tracked.

In addition, the OA records the number of web transactions on a monthly basis. This is a more common metric for web systems and reflects more on the level of activity once a user has logged in. The monthly figures for the fiscal year can be found in Chart E.

"I find the *ETDEWEB* database to be reliable, complete and easy to use. What I like is that it includes materials not easily found through other sources. Bravo for producing such a good product!"  
Canada

Chart C  
ETDEWEB Monthly Logins

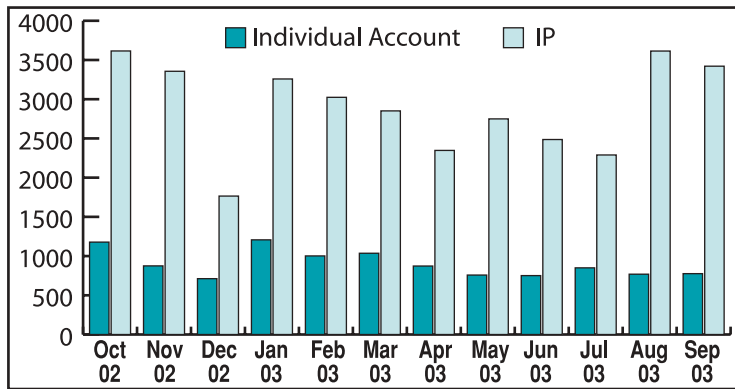
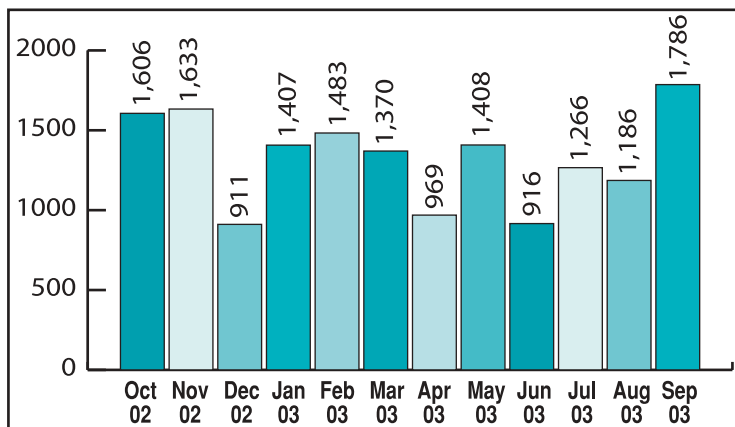
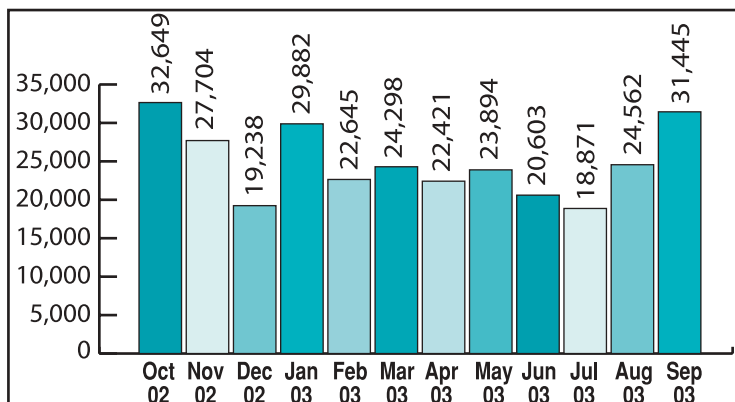


Chart D  
ETDEWEB Monthly Downloads\*



\*only reflects full-text at OA site

Chart E  
Monthly Web Transactions



# Financial Aspects

Under the Implementing Agreement structure of the IEA, the participating member countries rather than the IEA itself typically finance operations in each agreement. In FY2003, member contributions will total \$733,292 once all the promised contributions are received. As of the writing of the annual report, one country's contribution had not yet been received. The FY2003 contribution levels were set at ETDE's 24th ExCo meeting and remained the same as for the previous 2 years. Each country's annual membership contribution includes a base fee of US\$10,000 and an additional amount based on the country's energy R&D figures at the time of joining. The totals for each country are shown in Chart F. For FY2003, contributions ranged from US\$11,553 to US\$134,544. There were no additional sources of income for FY2003.

Chart F  
Member Contribution

Belgium.....	\$15,208
Brazil.....	\$11,553
Canada.....	\$39,057
Denmark.....	\$11,553
Finland.....	\$11,919
France.....	\$63,089
Germany.....	\$74,054
Italy.....	\$74,054
Japan.....	\$134,544
Korea, Rep. of.....	\$18,224
Mexico.....	\$18,330
Netherlands.....	\$21,148
Norway.....	\$12,193
Spain.....	\$18,224
Sweden.....	\$18,224
Switzerland.....	\$16,123
United Kingdom.....	\$44,266
United States.....	\$134,544

Member countries also incur other costs annually for their participation in the Exchange. By far the most expensive aspect is the cost associated with providing input for the database. Expenses related to collecting, translating, cataloging, indexing and submitting records and full text can be significant. For some countries, these costs can exceed their membership fees by a factor of 10. As is always pointed out, it is evident that if a country attempted to build its own comparable database, the costs to do so would be far more costly. ETDE remains the most cost effective mechanism for doing so. Other expenses incurred relate to travel to meetings, in-country marketing, and staff time responding to requests for positions on issues or other periodic queries for information.

To ensure the efficiency of the Exchanges' operation, the Operating Agent annually prepares a cost report of its fiscal year activities. The fiscal year covered in the report is for the period 1 October 2002 through 30 September 2003. Each year's report is audited by an independent source and presented to the Executive Committee at its annual meeting. Budget projections are also presented at these meetings, giving the Executive Committee the opportunity to review planned activities and make adjustments or change priorities if necessary.

The funds collected through member contributions form what is referred to in the Implementing Agreement as the ETDE Common Fund. The OA draws from this fund to cover its operating costs. Primary expenses of the Exchange involve receiving, processing, and disseminating database input and full text from member countries and partnering organizations. Other expenses include daily operations and budget tracking, some marketing, *ETDEWEB* product support, preparations related to meetings, and communications with members and others. The costs for the Exchange have traditionally been broken down into 5 categories. For this fiscal year, the 5th category, *ETDEWEB*, also covered special technology projects. Chart G shows the percentage expended in each of the 5 categories. Activities within these categories are:

1. Database Building
  - Bibliographic Records Processing
  - Full-Record Acquisition
  - Full-Text Handling/Scanning/OCR
  - Program Maintenance
  - Data Control/Statistics
  - Quality Assurance
  - OA Technical Staff Support
2. Standards and Manuals
  - Development and Maintenance
  - Updating and Publishing
  - Thesaurus and Journal Authority Support
3. Marketing
  - Annual Report, Newsletter
  - Other Marketing Materials
  - ETDE Web Site Support
4. Administration and Reporting
  - Budget
  - Meetings
  - Travel
  - Mail, Telecommunications and Printing
  - Office Computer Support
5. *ETDEWEB* and Special Projects
  - ETDEWEB* Support
  - Harvesting Special Pilot Project

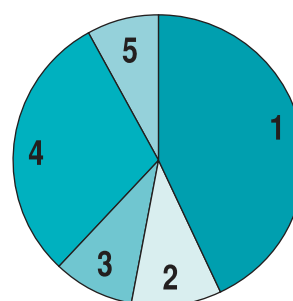


Chart G  
Operating Costs

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1. Database Building. . . . .	43%
2. Standards and Manuals . . .	10%
3. Marketing . . . . .	9%
4. Administration . . . . .	30%
5. <i>ETDEWEB</i> & Special Projects . . . . .	8%

# 2004 and Beyond

Having been directly part of ETDE for over 12 years now, it is sad to see friends leave, especially at a time when so many good things are happening. Exciting developments are planned for 2004, building on initiatives discussed in 2003 and even earlier. With the policy of offering developing countries access to the database about to reach fruition, ETDE stands to gain a broader audience for its efforts and better recognition of its value. If appropriate contacts can be made, it is hoped that the policy can also lead to further collaborations within these countries and greater reciprocal benefits.

ETDE will be looking to enhance the database with additional information and links by talking to publishers, exploring the best way to include information from the European Commission, and making concerted efforts to integrate DOIs from publishers in the database. Members will also continue to strive to get as much full text available electronically as possible, having taken on the burden of digitization to reduce OA expenditures.

In collaboration with INIS, ETDE will continue to look at ways of reducing the expense of database input preparation. After many years of discussion, both a new exchange format and a computer-aided indexing tool will see the beginnings of use. Progress in international groups may take more time than in individual organizations, but does happen!

2004 will also see the second *ETDEWEB* user survey issued. While the results of the first survey were favorable, members acknowledge that it is wise to periodically poll users' views.

ETDE's Executive Committee Meeting in 2004 will be held in Ottawa, Ontario, Canada. Technical meetings will be held in Oak Ridge, Tennessee, USA. The meetings promise to be lively but likely focused on ways to cope with reduced funding. Going into the next renewal period with fewer members is certainly disappointing and a challenge, but one the remaining members have chosen to overcome. The spirit is there to do so—to make the seventeen years of hard work and collaboration continue. Let it be so.



Debbie Cutler

ETDE Operating Agent Representative

# About Membership



Access to ETDE's Energy Database is one of the primary benefits to membership in ETDE and is limited to ETDE members throughout 2003. While 2004 will bring changes in this area regarding developing countries, membership in ETDE remains as the preferred mechanism of participation with the greatest potential for synergy possible. Members must be willing to participate in a reciprocal exchange of energy research and technology information. Thus, not only do members benefit from each other's information, but they also get to promote their own good work. ETDE encourages and welcomes new members, recognizing that expanding membership increases the value of the database and provides benefits for all involved.

## Rights

ETDE members have certain guaranteed rights per the Implementing Agreement text (members are also known as Contracting Parties). These rights are summarized below. Members can:

- Have electronic access to both ETDE's Energy Database and *ETDEWEB* subject to availability arrangements made by the member country or organization
- Negotiate access to database products produced by other member countries (such as online and CDROM products) with each country producing a product. In cases of membership by an international organization, access and distribution rights to the database and products will not extend outside the international organization to its member states.
- Receive the recent entries to ETDE's Energy Database as they are produced twice a month. They also may reproduce and distribute within their country or international organization the database information or any other information provided through ETDE. As in the preceding item, reproduction and distribution rights will not extend outside the international organization to its member states.

"There's no doubt that *ETDEWEB* is a very useful energy database. Full-text links to sometimes very obscure original documents is excellent."

The United Kingdom

- Receive copies of non-conventional literature upon request and at a reasonable price. In more recent times, this is mostly done electronically. In addition, members can receive electronic copies of ETDE publications such as the joint ETDE/INIS subject thesaurus, procedures manual segments, the ETDE annual report, and any marketing tools, as they are developed.
- Be represented on the Executive Committee and the Technical Working Group.

### Obligations

In addition to these rights, members have several cost and task sharing obligations as participants in the Exchange. These obligations are:

- Under task sharing, members must submit electronic bibliographic citations in English of all energy research and technology information published in the country/international organization according to ETDE's rules and standards. Members must also provide a copy of or availability notice for all non-conventional literature published or issued in the country or within the international organization.
- Under cost sharing, members commit funds to send a delegate to the Executive Committee meetings and other technical or ad hoc meetings and to expend additional resources if hosting the Executive Committee meeting in its country. Members are also responsible for marketing the database and database products within their national borders.
- Each member is required to pay an annual membership contribution of US\$10,000 per country (*US\$15,000 beginning in 2004*) and an additional contribution per country based on the country's research and development expenditures. New members must agree that any revenues returned from their use of online or other member products will accrue to the ETDE common fund for a set period of years.



“ETDEWEB is an extremely important database for students and employees at our university.”  
Norway

## Membership Process

**Step 1.** To join ETDE, the interested entity (*country’s government, any entity designated by that government, or an international organization*) must declare its interest in membership to the IEA, an existing Contracting Party, or the Operating Agent. Following that declaration, the OA will undertake correspondence with the entity to provide information about membership rights and obligations.

**Step 2.** If an entity is seriously interested in membership, an invitation to observe a meeting of the ETDE Executive Committee will be extended.

**Step 3.** Once all details of membership (*membership contribution level, amount of database input, etc.*) are settled to the satisfaction of the Executive Committee, a formal invitation will be extended by the Executive Committee for the Contracting Party to participate in the Implementing Agreement.

**Step 4.** For OECD countries, and for the European Communities, the unanimous vote of the Executive Committee to accept a new member constitutes approval; the new Contracting Party must then sign the Implementing Agreement to formalize its participation. For non-OECD countries, and for any international organization in which any non-OECD country participates, once the Executive Committee has extended a unanimous invitation, the IEA CERT must review the request for participation. Non-OECD countries and those organizations described above will participate with the full rights and obligations of membership, except for some small aspects, and even these are being lessened in recent times to make membership easier.

**Step 5.** As part of the membership approval process, potential new countries must send a letter to the IEA Executive Director, designating a Contracting Party. The designated Contracting Party may be a national agency, public organization, private corporation, company, or other entity.

**Step 6.** ETDE membership becomes effective when the government of the country of the new Contracting Party (*or international organization*), or its designated entity, signs or accedes to the ETDE Implementing Agreement.

# ETDE's Members

Country	Primary Delegate	Alternate Delegate
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# About the IEA



The **International Energy Agency (IEA)** is the energy forum for 26 industrialised countries. IEA member governments are committed to taking joint measures to meet oil supply emergencies. They also have agreed to share energy information, to co-ordinate their energy policies and to co-operate in the development of rational energy programmes. These provisions are embodied in the Agreement on an International Energy Programme (*IEP*), which established the Agency in 1974.

- To maintain and improve systems for coping with oil supply disruptions
- To promote rational energy policies in a global context through co-operative relations with non-member countries, industry and international organizations
- To operate a permanent information system on the international oil market
- To improve the world's energy supply and demand structure by developing alternative energy sources and increasing the efficiency of energy use
- To assist in the integration of environmental and energy policies

International collaboration in the development and dissemination of energy technologies is a priority area for the IEA. The Energy Technology Data Exchange (ETDE) is one of more than 40 Implementing Agreements operating under the IEA's framework for technology cooperation.

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