



Thirty first Consultative Meeting of INIS Liaison Officers  
Vienna, Austria, 31 March to 2 April 2003

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## **INIS Progress and Activity Report 2002**

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Vienna, Austria, 2003

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# Highlights of INIS Activities 2002

The International Nuclear Information System (INIS) collects and distributes scientific information in all areas of nuclear science and technology published in Member States, including bibliographic data and the full text of documents — reports, dissertations, etc. — not readily available through commercial channels (the non-conventional literature, NCL).

## Membership

In 2002 five new Member States joined INIS. The number of participating members was 127 and included 108 countries and 19 International Organizations.

## Bibliographic Database

In 2002, INIS was able to augment the level and maintain the quality of input into the Bibliographic Database. A total of 71 276 records were added to the database, which represents an increase of 2,7 % compared to the production of 2001, and 8,4 % compared to 2000. This includes 3 839 bibliographic records prepared as voluntary contribution by INIS Member States<sup>1</sup> (an increase of 93 % compared to 2001) and 11 428 records prepared as voluntary contribution by the INIS Secretariat (an increase of 173 % compared to 2001). There are now 2 347 302 records in the INIS database.

The Agency signed an agreement with Elsevier Science BV for the acquisition of electronic bibliographic records. A second agreement has been signed with the American Institute of Physics (AIP), to become operational in 2003, and negotiations are in progress with three other publishers: Springer Verlag, John Wiley & Sons and Thomson ISI. Other sources of electronic records are being investigated.

## INIS Database on CD-ROM:

At the end of the year 2002 there were 406 subscriptions.

## INIS Database on the Internet

The Database continued to be accepted very positively worldwide and saw a significant increase in the number of registered users from last year. At the end of 2002, there were 270 062 authorized users.

In agreement with a recommendation of INIS Liaison Officers, the Secretariat now offers complimentary access to the INIS Database on Internet to universities and academic institutions. At the end of 2002, 95 universities in 27 Member States have free access the Database, and a further 128 universities are in the process obtaining it.

## Co-operation with OECD/NEA Databank

The Agency continued its co-operative arrangement with the OECD/NEA Data Bank. In 2002, 913 computer programs (out of 4664) were distributed to users in INIS Member States that are not part of the OECD, a significant increase from last year. In addition 9 computer programs (out of 107) were contributed from Member States that are not OECD Member Countries.

## Capacity building

### *Training*

INIS continued its series of training sessions for IAEA staff. Six seminars on how to use INIS products were organised in 2002, with a total number of 66 participants. Training to individuals continues to be offered.

### *Distance Learning*

INIS launched a new e-learning module in the INIS Distance Learning Program (DLP) entitled 'How to search the INIS Bibliographic Database'. This module, also available on CD-ROM, provides a comprehensive introduction on how to access information on the INIS Database, both on the Internet and on CD-ROM. This module addresses all users of the database, including staff in INIS centres and end-users.

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<sup>1</sup> Argentina (178), Austria (165), Australia (188), Belarus (227), Belgium (146), Brazil (110), Bulgaria (104), Canada (112), China (212), Colombia (52), Ecuador (51), Estonia (70), Germany (598), Ghana (34), Guatemala (39), India (369), Israel (113), Kenya (8), Portugal (44), Romania (156), Syria (337), Turkey (229), Ukraine (247).

### ***Technical Co-operation***

Two new INIS national projects were evaluated in 2002, with implementation plans prepared to start in 2003. Three requests for fellowships were evaluated. A staff member from the Chinese INIS Centre visited the INIS Secretariat in 2003 to co-ordinate a project to fully translate the INIS Thesaurus in Chinese

### **NCL Imaging and Archiving**

In 2002, the INIS Clearinghouse processed 11 221 NCL documents and produced 24 CD-ROMs. Timeliness of production was improved by 60%. PDF and OCR technologies are now in use and the last two CD-ROMs produced (#23 and #24) contain documents in PDF only with searchable full-text.

The microfiche digitisation centre was established and the INIS NCL Microfiche digitisation project started in 2002. More than 12 000 NCL documents were digitised during the year, including all IAEA Tecdocs and Nuclear Safety Standards Series, as well as Austrian and Australian reports.

### **INIS Web Services**

The INIS Web Services site continues to be maintained and updated on a monthly basis. In December 2002, the total number of entries was 2 258.

### **Systems Development**

All IAEA Tecdocs have been linked to the INIS Database on the Internet.

The first release of the new INIS Imaging System based on Livelink and InputAccel has been deployed. It is the first application to use the new INIS XML format internally. It can produce output in Acrobat PDF format.

WinFIBRE has been enhanced to allow the insertion of an e-mail address in the author's field (tag 100) and the availability note (tag 611).

Data conversion utilities have been developed to convert and manage input received from Elsevier Science BV, the Institute of Physics Publishing (IOPP), the AIP and the US-DC 'Rolling Window' service.

### **Marketing and Outreach**

The INIS Secretariat continued to assist ILOs in their promotional activities, providing them with information on meetings and conferences taking place in their countries, and sending them upon request promotional material to be used during these events. In 2002, the INIS Secretariat fulfilled 145 requests for promotional material originating in 54 Member States.

The INIS Secretariat also distributed promotional materials at 62 in-house meetings and conferences held at the IAEA Headquarters. CD-ROMs containing selected records from the INIS Database, together with their corresponding full text NCL documents, were also produced on five separate subjects and distributed to conferences and meeting participants as appropriate, along with the INIS promotional materials.

There was a significant effort to promote INIS during the 46<sup>th</sup> IAEA General Conference. In addition to the INIS stand, which remained open during the entire week, INIS for the first time organised two side events to raise the awareness of INIS among decision makers and to demonstrate its benefits. These events were announced in the daily journal of the Conference.

### **Meetings in 2002**

The 30th Annual Consultative Meeting of INIS Liaison Officers was hosted by the Bulgarian Committee on the Use of Atomic Energy for Peaceful Purposes in Sofia on 27-30 May 2002. 54 participants and 4 observers representing 48 Member States and 2 international organizations (including the IAEA) attended.

The 8th INIS/ETDE Joint Technical Committee Meeting was hosted by the Government of the USA in Pigeon Forge, Tennessee, on 29-30 October 2002. 23 participants and one observer representing 15 Countries, the INIS Secretariat and the ETDE OA staff attended.

## INIS Progress and Activity Report 2002

### A. General Statistics

#### A.1 Summary

Membership	2001	2002
Official Participants (Member States + International Organisations)	122 (103+19)	127 (108+19)
Centres Submitting Input (Member States + International Organisations)	84 (79+5)	78(73+5)

Voluntary Contributions		
Number of contributing Centres	39	23
Number of records processed by Member States	1 988	3 839
Number of records processed by the INIS Secretariat	4 182	11 428

Form of Input (number of Centres submitting input)		
E-mail	69	69
FTP	15	15
Diskettes	10	7
LAN	7	7
CD-ROM	—	1
Worksheets	1	1
CD-ROM (NCL full text)	6	40
DAT Tape (NCL full text)	1	1

Input and Processing Figures	Volume 32	Volume 33
Records received (volume year no. 32 and 33)	68 794	76 289
Records published (volume year no. 32 and 33)	69 391	71 276
Non-conventional literature: records published	27 272	27 903

Output Figures		
Centres receiving INIS output on CD-ROM	19	17
Subscriptions to NCL documents on CD-ROM	8	8
Free subscriptions to NCL documents on CD-ROM (in accordance with INIS Technical Note 134)	49+1 (free)	53
INIS centres with free site license for access to the INIS Database on Internet (including the IAEA)	100	102
Authorized users for access to INIS Database on Internet under free subscriptions <sup>2</sup>	31 553	75 777
Paid subscriptions to INIS Database on Internet	28	30
Authorized users for access to INIS Database on Internet under paid subscriptions	38 515	13 539
Authorized users for access to INIS Database on Internet under Complimentary Access for Universities/Academic Institutes	—	189 746

<sup>2</sup> The staff of the four INIS Members located at the Vienna International Centre (VIC) is not included, as they access the Database without registration.

**INIS on CD-ROM**

Paid subscriptions (current)	178	147
Free subscriptions	100	106

**Meetings**

Consultative Meeting of INIS Liaison Officers (number of INIS Member Countries represented)	66	48
Joint INIS/ETDE Technical Committee (number of INIS Member Countries represented)	16	15

**IAEA Staff Training**

Six in-house training sessions on INIS products	-	66
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**Budget (US \$ millions)**

Approved budget <sup>3</sup>	US\$ 3 546	US\$ 4 193
Revised financial plan	US\$ 3 577	US\$ 3 976
Actual expenditure	US\$ 3 762	

**Staff — Approved posts in the INIS Section**

Professional staff (6 P posts are currently vacant)	16.0	16.0
General Service staff (1 GS post is currently vacant)	24.0	24.0

<sup>3</sup> Differences in approved budget and actual expenditure are due to changing dollar exchange rates and changes made at the mid-year review of the financial plan.



**A.2 Member States and International Organizations participating in INIS**

<b>Member State</b>	<b>INIS Liaison Officer</b>	<b>Alternate INIS Liaison Officer</b>
Albania	Mr. Lluka Qafoku	—
Algeria	Mr. Zenine Nadjah	Mr. Salim Asselah
Argentina	Ms. Alejandra T Chavez	—
Armenia	Ms. Janna Kurghinyan	Mr. V. Kurghinyan
Australia	Ms. Mary E. Huxlin	Ms. S. Gorringe
Austria	Mr. Gert Sdouz	Mr. Friedrich Ranz
Azerbaijan	Mr. Adil Garibov	—
Bangladesh	Mr. Kazi Azizul Hoque	Mr. M. Kaikobad
Belarus	Mr. V.A. Ivanyukovich	—
Belgium	Mr. Alain Sneyers	—
Bolivia	Ms. Carmen Rosa Fuentes Salome	—
Brazil	Mr. Ailton Fernando Dias	Mr. L. Fernando Sayao
Bulgaria	Ms. Neviana Rashkova	Ms. Albena Georgieva
Cameroon	Mr. Bonaventure Etoundi	Mr. F.D. Kenmogne
Canada	Ms. Monica Lim	—
Chile	Ms. Lila Trujillo	Ms. Victoria Ortiz
China, People's Rep	Mr. Hou Huiqun	—
Colombia	Mr. Leopoldo González Oviedo	Ms. Ana Garcia Sanchez
Costa Rica	Ms. Maria Eugenia Briceno	Ms. Julieta Soto Rojas
Croatia	Ms. Nevenka Novosel	—
Cuba	Mr. Manuel Fernandez Rondon	Ms. Katia Gonzalez Sanchez
Cyprus	Mr. Andreas Savva	Mr. S. Christofides
Czech Republic	Mr. Petr Adamek	—
Democratic Rep Congo	Mr. Mampasi Lubanza Christian	—
Denmark	Ms. Birgit Pedersen	Ms. Line Nissen
Ecuador	Ms. Hipsy Cifuentes	—
Egypt	Ms. Fayka abd Elhalim Ibrahim	Mr. Mahmoud El Beheriy
El Salvador	Mr. Oscar Armando Amaya Monterrosa	Mr. Marco Antonio Ayala Aristondo
Estonia	Ms. Iige Maalman	—
Ethiopia	Mr. Birru Dori	Mr. E. Alemu
Finland	Ms. Eva Tolonen	—
France	Ms. Christa Brulet	—
Georgia	Mr. Irakli N. Maisuraoze	—
Germany	Mr. G.F. Schultheiss	Ms. Eike Hellmann
Ghana	Ms. E.A. Agyeman	Mr. G. Emi-Reynolds
Greece	Mr. A. Maltezos	Mr. Potiriades
Guatemala	Mr. Jorge Guillen	—
Hungary	Mr. György Stubnya	—
India	Mr. Vijai Kumar	—
Indonesia	Mr. Syamsa Ardisasmita	—
Iran Islamic Republic	Mr. Abdolmajid Hadidi	Mr. Morteza Jabbarzadeh
Iraq	Mr. I.A. Ajaj	Mr. R.A. Al-Shaheed
Ireland	Ms. Marie Kelly	—
Israel	Mr. Eli Miron	Mr. Haim Rotem
Italy	Ms. Paola Molinas	—
Japan	Mr. Osamu Narita	—
Jordan	Mr. Rawhi Qassem	Mr. Khalil Y. Awad
Kazakhstan	Ms. Svetlana Solovieva	—
Kenya	Mr. Vitalis Omolo Awuor	Mr. Dominic Njoroge Kinyanjui
Korea, Republic of	Mr. Se-Jun Yoon	Mr. JiHo Yi <sup>4</sup>
Kuwait	Mr. Ahmad Khalid Al-Jassar	—
Latvia	Ms. Ilva Ake	—
Lebanon	Ms. Amal Habib	—
Libyan Arab Jamahiriya	Mr. Ramadan S. Almorhag	Mr. Mohamed Fkini
Lithuania	Mr. Renata Karaliute	—
Madagascar	Mr. Andriantsea Jean Rubis	Mr. R. Andriambololona
Malaysia	Mr. Samsuridin Ahamad	Ms. Nor R. Abd. Hamid
Mali	—	—
Mexico	Mr. Ricardo Botello Corte	—
Mongolia	Mr. Gendengiin Altan-Och	Mr. Nambaryn Gansukh <sup>5</sup>
Morocco	Ms. Fatiha Mazouar	—

<sup>4</sup> Alternate INIS Liaison Officer's institute is different from INIS Liaison Officer's institute.

<b>Member State</b>	<b>INIS Liaison Officer</b>	<b>Alternate INIS Liaison Officer</b>
Myanmar	Ms. Win Win	—
Netherlands	Mr. Hillebrand Verkroost	—
New Zealand	Ms. Diana Kelly	—
Nicaragua	Ms. Maria del Carmen Morales	—
Niger	Mr. Mayaki Salha	—
Nigeria	DG, Energy Commission	—
Norway	Ms. Astrid Gudmundseth	Ms. Gyrid Vikoren
Pakistan	Mr. Shahid Riaz Khan	—
Panama	Mr. Octavio Castillo Sanchez	—
Paraguay	Mr. Victor Rodriguez Gauto	—
Peru	Mr. Carlos Gayoso Caballero	—
Philippines	Ms. Imelda S. Delfin	Ms. Elnora L. Conti
Poland	Mr. Tadeusz Urbanski	—
Portugal	Mr. José Gonçalves Marques	Mr. Antonio Ramalho
Qatar	Mr. Salem Mohd. Al-Malki	—
Rep. of Moldova	Mr. Artur Buzdugan	—
Romania	Mr. Mircea I. Cristu	Ms. Veronica Lacatusu
Russian Federation	Mr. N.E. Yakovlev	Mr. O.G. Mikhnevich
Saudi Arabia	Mr. Hamad A. Al-Sadoon	Mr. Iyas Al-Hajiri
Senegal	Mr. Youssouph Diatta	Ms. Arlette Tairou
Serbia and Montenegro (former Yugoslavia)	Mr. Branislav Durasevic	—
Singapore	Ms. Yeo-Tang I-Sha Isabel	Mr. Paul Lee
Slovak Republic	Mr. Karol Janko	—
Slovenia	Mr. Davor Lovincic	Ms. Polonca Kuhar
South Africa	Ms. M.J.S. Scheepers	—
Spain	Ms. E. Martin Santamaria	—
Sri Lanka	Ms. H.L.C. Nanayakkara	Mr. H.M.K. Soysa
Sudan	Ms. Hala Ahmed Abdalla	—
Sweden	Mr. L. Edvardson	Mr. U. Widemo
Switzerland	Mr. Fritz Gassmann	Mr. A. Pritzker
Syrian Arab Republic	Mr. Raek Al-Shanaa	Mr. Raed Al-Hallack
Tajikistan, Republic of	Mr. Mirsaidov Ulmas	Mr. Mukhabatsho Khikmatov
Thailand	Ms. Chothisip Mongkulmann	Ms. P. Patumthong
The Former Yugoslav Rep. of Macedonia	Ms. Marija Sejmenova-Gicevska	—
Tunisia	Mr. Nour Eddine Hachicha	Ms. Najet Khemiri
Turkey	Ms. Olcay Sahin Seckin	—
Uganda	Mr. Richard Oriada	—
Ukraine	Ms. Zhanna I. Pysanko	—
UK	Ms. Natasha Chopra	—
United Arab Emirates	Mr. Farouk Mohamed El-Assaly	Ms. Najwa Abdul Waheed Kamal Por
Uruguay	Ms. Ana Rebellato	Ms. S. Fascioli de Turenne
USA	Mr. R. Charles Morgan	—
Uzbekistan	Mr. A.D. Avezov	Ms. Makhtuba Kadirova
Venezuela	Ms. Xiomara Jayaro	Ms. Yadira Rojas <sup>5</sup>
Viet Nam	Mr. Hoang Anh Nguyen	—
Yemen	Mr. Mahfoudh S. Abdullah	—
Zambia	Mr. Bernard M. Chisenga	—

<sup>5</sup> Alternate INIS Liaison Officer's institute is different from INIS Liaison Officer's institute.

Organization	INIS Liaison Officer	Alternate INIS Liaison Officer
AAEA	Ms. Nahla Nasr	—
CERN	Mr. Corrado Pettenati	—
CTBTO	Chief, Public Information Section	—
EC	Mr. Giuseppe Cottone	—
FAO	Mr. G. Stergiou	—
IAEA	Mr. Yanko L. Yanev	—
ICRP	Mr. D.A. Perry	—
ICSTI	Mr. A.I. Lovtsov	Mr. Leonid I. Molotkov
IIASA	Mr. Eduard Loeser	—
ISO	Mr. Evgueni Patrikeev	—
JINR	Mr. Boris M. Starchenko	—
OAU	Mr. Atef Wahba Ghabrial	—
OECD/NEA	Mr. Enrico Sartori	—
UNIDO	Mr. Ghislain Robyn	—
UNSCEAR	—	—
WEC	—	—
WHO	Mr. Kiyoshi Shibata	—
WMO	Mr. Paul Llanso	—
WONUC	Mr. Christophe Chaubard-Willm	—

### A.3 INIS Membership

Year	States/Intl Org	New Member States
1969	23 + 2	Argentina, Australia, Austria, Belarus, Canada, CSSR, Denmark, France, Hungary, India, Israel, Japan, Korea Rep. of, Mexico, Norway, Pakistan, Russian Federation, South Africa, Sweden, UK, Ukraine, USA, Vietnam, FAO, IAEA
1970	38 + 12	Belgium, Brazil, Bulgaria, Egypt, Finland, Germany, Italy, Netherlands, New Zealand, Philippines, Poland, Portugal, Romania, Thailand, Yugoslavia, CERN, EC, ICRP, ISO, OAU, OECD-NEA, UNSCEAR, WEC, WHO
1971	39 + 12	Switzerland
1972	44 + 12	Bangladesh, Chile, Peru, Spain, Turkey
1973	44 + 13	JINR
1974	47 + 13	DDR, Indonesia, Iran
1975	48 + 13	Iraq
1976	51 + 13	Algeria, Ghana, Ireland
1977	53 + 13	Cameroon, Venezuela
1978	62 + 13	Democratic Rep. Congo, Ecuador, Kuwait, Madagascar, Malaysia, Mali, Qatar, Sri Lanka, Zambia
1979	64 + 13	Columbia, D.P.R. Korea
1980	66 + 13	Cuba, Greece
1981	69 + 14	Libya, Paraguay, Syria + IIASA
1982	69 + 14	—
1983	72 + 14	Saudi Arabia, Nigeria, Guatemala
1984	73 + 14	China
1985	74 + 14	Uruguay
1986	74 + 14	—
1987	75 + 14	Panama
1988	78 + 15	Costa Rica, Morocco, Jordan + UNIDO
1989	79 + 15	Mongolia
1990	79 + 15	DDR ceased, Sudan joined
1991	80 + 16	Albania + AAEA
1992	81 + 17	Bolivia + ICSTI, WMO
1993	86 + 17	Nicaragua, Slovenia, Slovakia, Kenya, Ethiopia
1994	88 + 17	Croatia, Lebanon and Lithuania joined, D.P.R.Korea withdrew
1995	94 + 17	Armenia, Kazakhstan, Uzbekistan, Myanmar, Estonia, Tunisia
1996	99 + 17	The former Yugoslav Republic of Macedonia, Republic of Cyprus, Singapore, Yemen, Uganda
1997	101 + 17	Latvia, Republic of Moldova
1998	103 + 19	Senegal, United Arab Emirates, CTBTO, WONUC
1999	103 + 19	—
2000	103 + 19	—
2001	103 + 19	—
2002	108 + 19	Republic of Tajikistan, El Salvador, Niger, Azerbaijan, Georgia

## INIS Correspondence Sent to INIS Liaison Officers in 2002

No	Date	INIS Technical Notes
160	2002-01-24	2001 Statistics
161	2002-06-07	Voluntary Input Preparation from Core Scientific journals
162	2002-08-08	Questionnaire on Exchange Format, FIBRE, INISIR
163	2002-11-22	Update of the List of Journals Regularly Scanned & Key Journals for 2003
164	2002-11-29	Input to 2002 INIS Annual Report
165	2002-12-02	2002 INIS Products Usage Statistics
<b>INIS Information Letters</b>		
188	2002-01-10	INIS List of Journals Regularly Scanned and Key Journals for 2002
189	2002-01-08	INIS DB on the Internet/Complimentary Access for Universities
190	2002-01-30	Promotion of INIS Products and Services During Relevant Meetings
191	2002-02-25	INIS Production Statistics 2001
192	2002-04-10	INIS Promotion: INIS Notepads
193	2002-06-22	INIS Annual Report, 2001
194	2002-08-15	INIS Distance Learning Program: Launching a new module "How to search the INIS Bibliographic Database"
195	2002-09-30	Professional Vacancies in INIS Section
196	2002-10-02	INIS Promotion / INIS Poster
197	2002-10-02	Closing of Volume 33

### A.4 INIS Atomindex on CD-ROM

Year	No	Members
1998	21	Brazil, Canada, China, Czech Republic, Ecuador, France, Ghana, India, Ireland, Israel, Japan, Korea Rep. of, Lebanon, Morocco, Mongolia, Netherlands, Pakistan, Russia, Sweden, Syrian Arab Rep., The Former Yugoslav Rep. of Macedonia
1999	20	Brazil, Canada, China, Czech Republic, Ecuador, France, Ghana, India, Ireland, Israel, Japan, Korea Rep. Of, Morocco, Mongolia, Netherlands, Pakistan, Russia, Sweden, Syrian Arab Rep., The Former Yugoslav Rep. Of Macedonia
2000	19	Brazil, Canada, China, Czech Republic, Ecuador, France, Ghana, India, Israel, Japan, Korea Rep. Of, Morocco, Mongolia, Netherlands, Pakistan, Russia, Sweden, Syrian Arab Rep., The Former Yugoslav Rep. Of Macedonia
2001	19	Brazil, Canada, China, Czech Republic, Ecuador, France, Ghana, India, Israel, Japan, Korea Rep. Of, Morocco, Mongolia, Netherlands, Pakistan, Russia, Sweden, Syrian Arab Rep., The Former Yugoslav Rep. Of Macedonia
2002	17	Brazil, Canada, China, Czech Republic, Ecuador, France, India, Israel, Japan, Korea Rep. Of, Morocco, Mongolia, Pakistan, Russia, Sweden, Syrian Arab Rep., The Former Yugoslav Rep. Of Macedonia

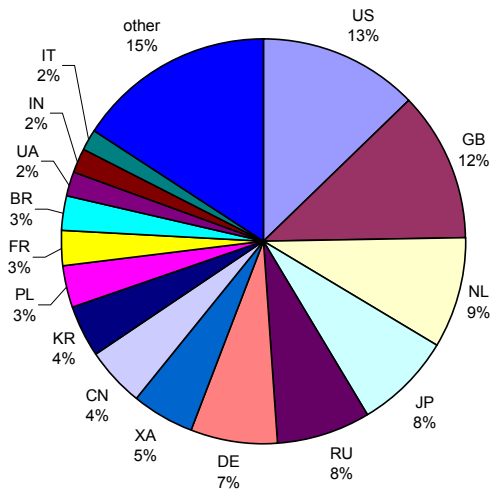
### A.5 Revision of the Reference Series Documents

The IAEA's listing of the *INIS Reference Series* and the new *ETDE-INIS Joint Reference Series*, both in print and on the INIS Web Site, only contain the current manuals. During 2002, the list of INIS products and publications found in the IAEA Publications Catalogue was updated. This catalogue is distributed worldwide.

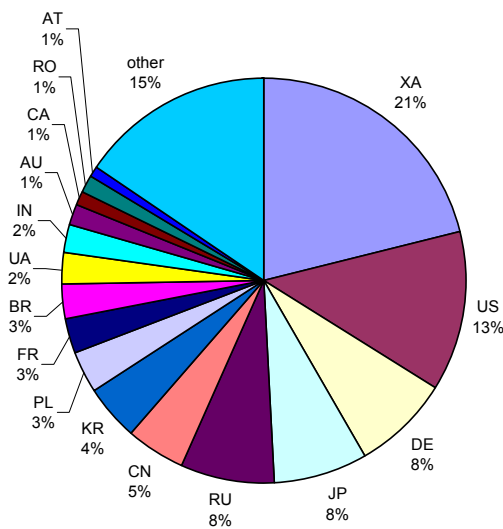
Series No	Date	Subject
ETDE-INIS Joint Reference Series No. 1	August 2002	Joint Thesaurus Part I (A-L) Joint Thesaurus Part II (M-Z)
ETDE-INIS Joint Reference Series No. 2	July 2002	Subject Categories and Scope Descriptions
ETDE-INIS Joint Reference Series No. 3	Oct 2002	Manual for Subject Analysis
INIS Reference Series IAEA-INIS-11 Rev.29	Mar 2002	INIS Authority List for Journal Titles

**A.6 Statistics on Input**

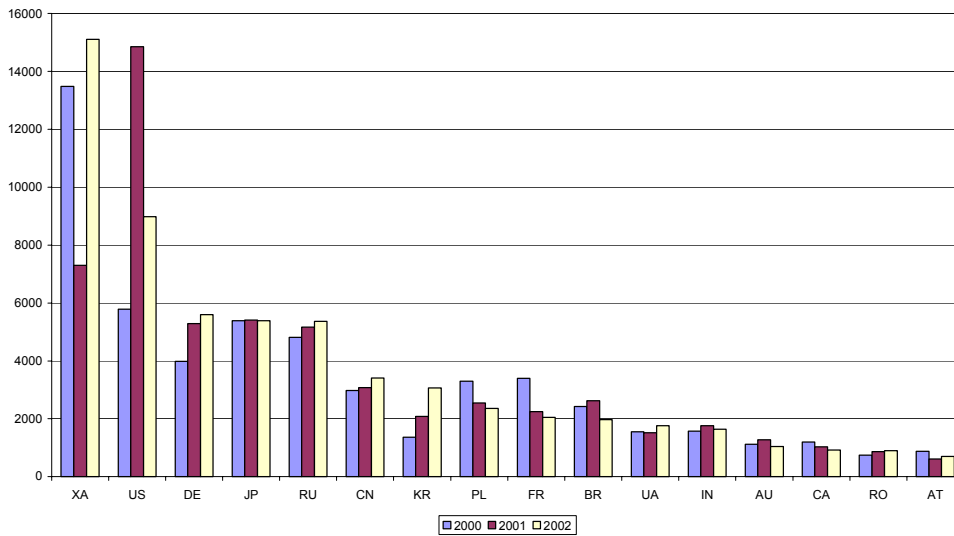
**Chart A6.1. Input to INIS Database by Country of Origin Volume**  
33 (2002) — Total No. of Records  
71 276



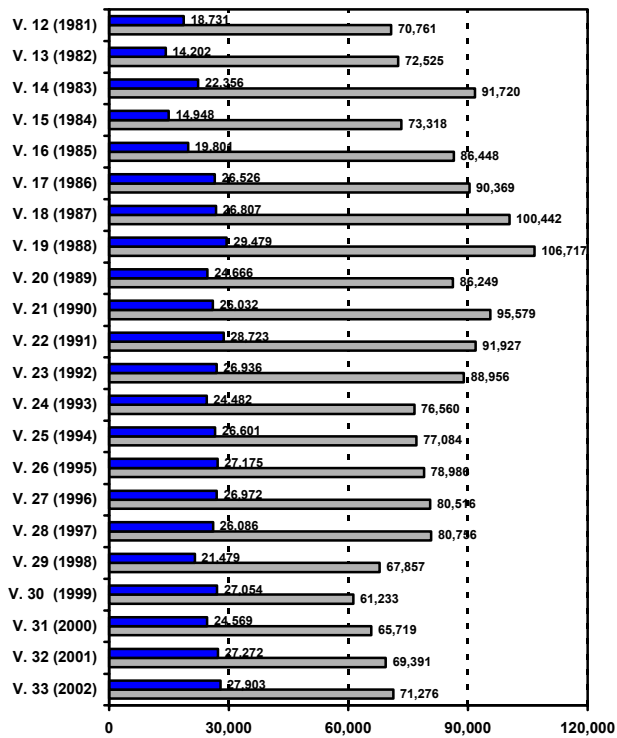
**Chart A6.2. Input to INIS Database by Country of Input**  
Volume 33 (2002)-Total no. of Records 71276



**Chart A6.3. Input to INIS Database by Country of Input**  
Volume 31 (2000) – 33 (2002)

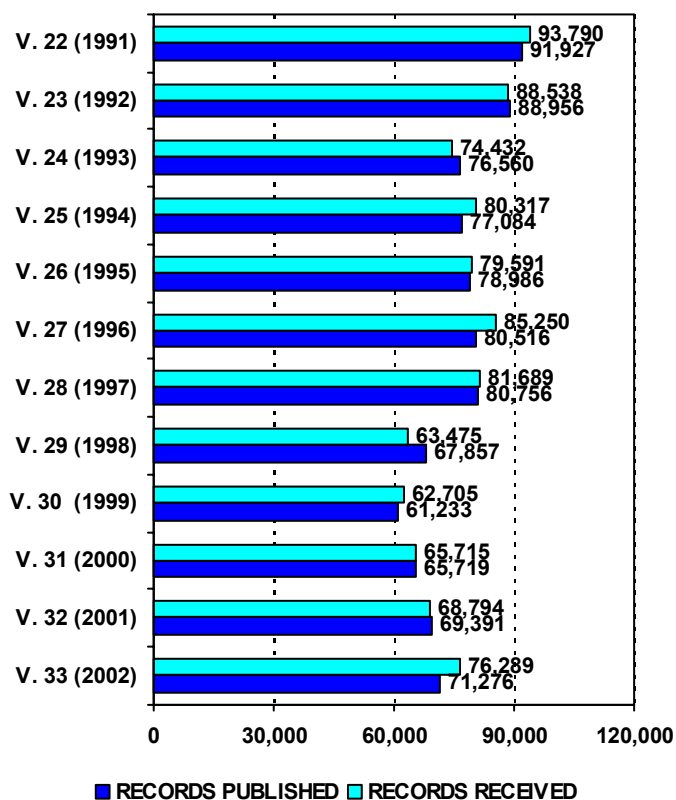


**Chart A6.4. Input to INIS Database — Conventional and Non-Conventional Literature**  
Volume 13 (1982) – Volume 33 (2002)

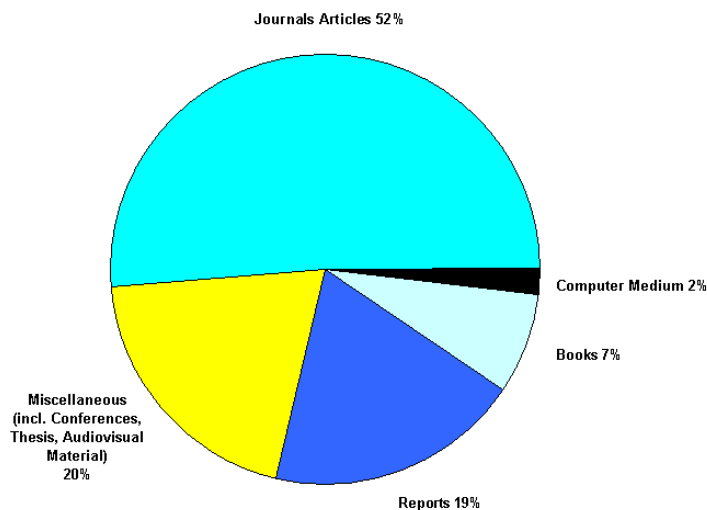


■ TOTAL NUMBER OF RECORDS ■ NON-CONVENTIONAL LITERATURE

**Chart A6.5. Input to INIS Database Received and Published**  
Volume 22 (1991) – 33 (2002)



**Chart A6.6. Input to INIS Database by Literature Type**  
Volume 33 (2002) - Total No. of Records 71 276



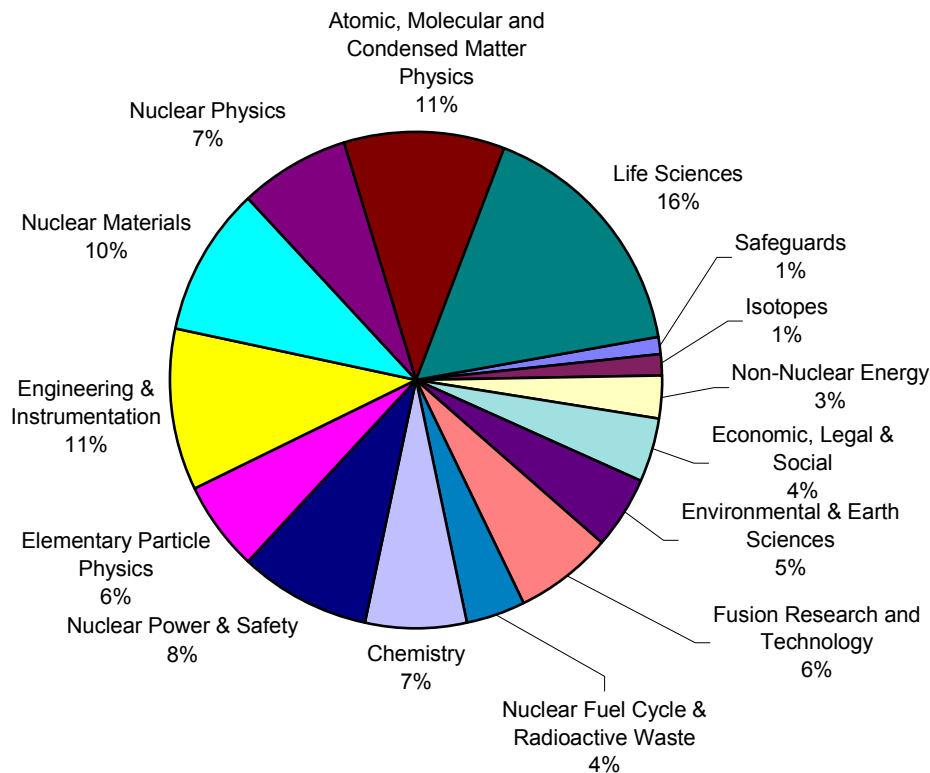
NB: No Patents were submitted in 2002.

**Chart A6.7. Input to INIS Database by Subject Area**

Volume 33 (2002) – Total No. of Records 71 276

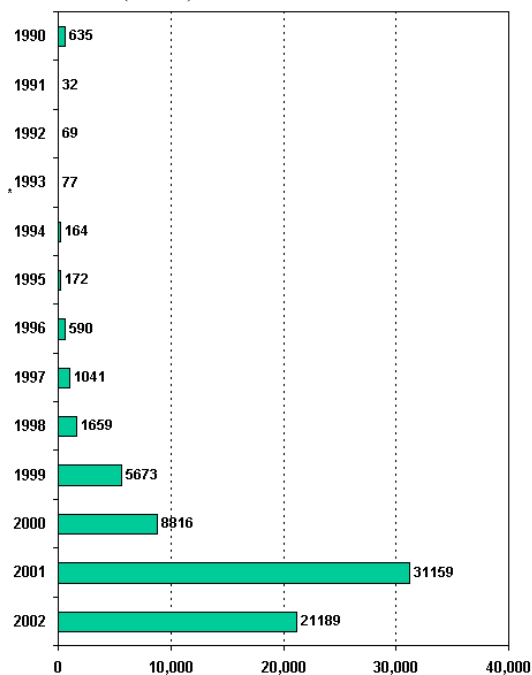
**Key**

Safeguards.....	- S98
Isotopes.....	- S07
Non-Nuclear Energy .....	- S01-S04, S08-S10, S13-S17, S20, S24-S25, S30
Economic, Legal & Social .....	- S29, S99
Environmental & Earth Sciences .....	- S54, S58
Fusion Research & Technology .....	- S70
Nuclear Fuel Cycle & Radioactive Waste .....	- S11, S12
Chemistry .....	- S37, S38
Nuclear Power & Safety .....	- S21, S22
Elementary Particle Physics .....	- S72
Engineering & Instrumentation .....	- S42, S43, S46, S47
Nuclear Materials .....	- S36
Nuclear Physics .....	- S71, S73
Atomic, Molecular & Condensed Matter Physics .....	- S74, S75
Life & Sciences.....	- S60-S63



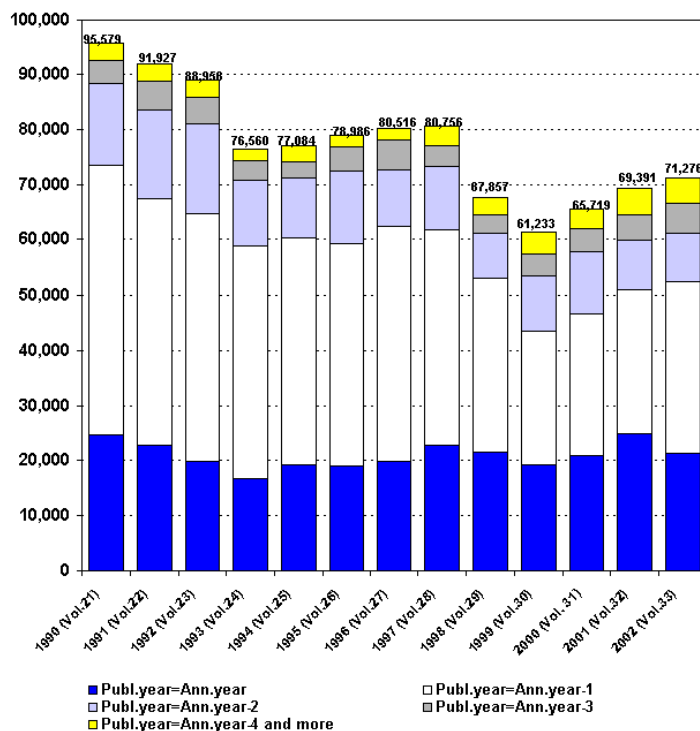


**Chart A6.8. Input to INIS Database in 2002 by Year of Publication**  
Volume 33 (2002) – Total No. of Records 71 276



\*635 records were entered with publication year 1968 – 1990

**Chart A6.9. INIS Database Timeliness**  
Year of Publication in Each Announcement Year  
Volume 21 (1990) – 33 (2002)

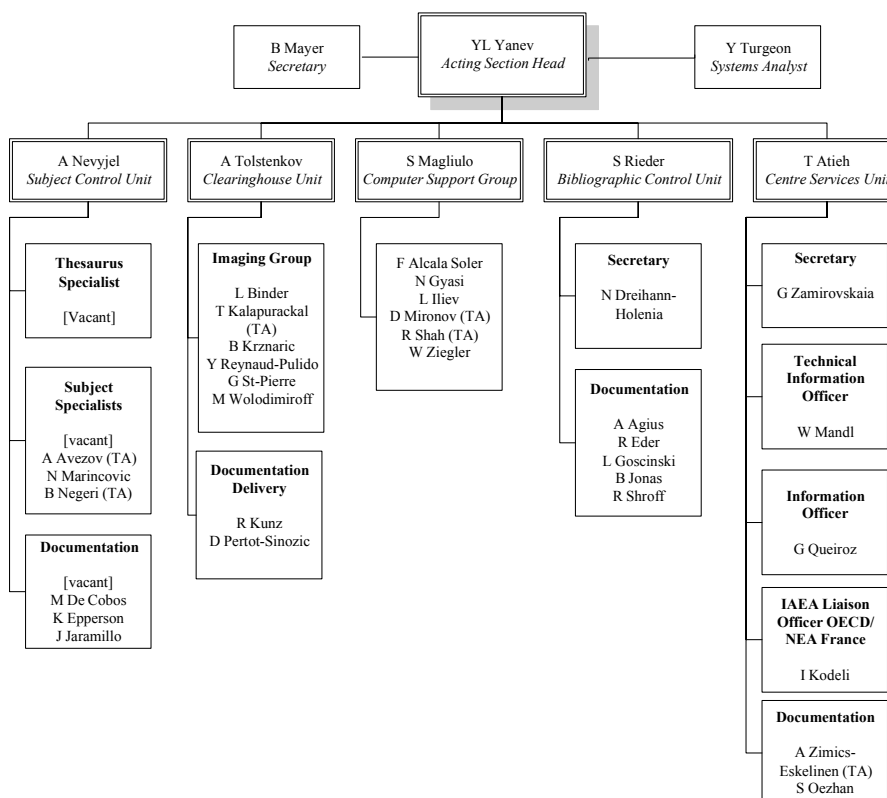


## B. INIS Section 2002 Financial Performance Report and 2003 Financial Plan

	2002 (Actual) (at € 1.0724)	2003 (Plan) (at € 1.0722)
<b>Staff Costs</b>		
Salaries – Established posts – P	1 070 113	1 209 000
Temporary Assistance – P/MT	55 208	52 200
Temporary Assistance – P/ST	45 291	34 000
Salaries – Established Posts – GS, M&O	857 595	903 000
Temporary Assistance – GS/MT	0	0
Temporary Assistance – GS/ST	13 222	0
Common Staff Costs	898 791	923 300
Overtime	0	0
Sub-total, Staff Costs	2 940 220	3 121 500
<b>Travel Costs</b>		
Travel – Staff	63 460	50 200
Travel – Non-staff	128 694	135 900
Sub-Total, Travel Costs	192 154	186 100
<b>Other Direct Costs</b>		
Interpretation Services	0	23 000
Representation and Hospitality	1 226	4000
Training	7 049	21 200
Equipment: Purchased	72 642	100 000
Supplies and Materials	109 978	86 000
General Operating Expenses	80 002	44 500
Contracts	158 099	203 500
Miscellaneous	14 880	16 200
Sub-total, Other Direct Costs	443 876	498 400
<b>Shared Costs</b>		
Translation Services	15 000	16 000
Printing and Publishing Services	120 800	128 000
Data Processing Application Services	50 000	26 000
Sub-Total, Shared Costs	185 800	170 000
<b>Total</b>	<b>3 762 050</b>	<b>3 976 000</b>

## C. INIS Section — staff of the INIS Section (March 2003)

Chart C.1. Staff of the INIS Section (March 2003)



## D. INIS Input

### D.1 Volume of Input

The total number of records announced in the INIS Database volume 33 (2002) was 71,276. A total of 78 Members sent input for volume 33 (2002). The following Members provided **NO** input in recent years:

Member States			International Organisations		
2000	2001	2002	2000	2001	2002
Albania	Algeria	Algeria	AAEA	AAEA	AAEA
Algeria	Bangladesh	Bangladesh	CTBTO	CTBTO	CERN
Bangladesh	Bolivia	Belgium	EC	EC	CTBTO
Cameroon	Cameroon	Bolivia	FAO	FAO	EC
Congo	Cyprus	Cameroon	ICRP	ICRP	FAO
Cyprus	Ethiopia	Congo	ICSTI	ICSTI	ICRP
Ethiopia	Greece	Cyprus	IIASA	IIASA	ICSTI
Greece	Iraq	Ecuador	ISO	ISO	IEA
Iraq	Ireland	Ethiopia	OAU	OAU	IIASA
Kuwait	Kenya	Ghana	UNIDO	UNIDO	ISO
Libya	Kuwait	Greece	UNSCEAR	UNSCEAR	OAU
Madagascar	Libya	Iraq	WEC	WEC	UNIDO
Mali	Madagascar	Kuwait	WMO	WHO	UNSCEAR
Mongolia	Mali	Latvia	WONUC	WMO	WEC
Panama	Mongolia	Libya		WONUC	WHO
Qatar	Panama	Madagascar			WMO
Senegal	Qatar	Mali			WONUC
Singapore	Senegal	Moldova			
South Africa	Singapore	Mongolia			
Tunisia	Thailand	Panama			
Uganda	Tunisia	Paraguay			
United Arab Emirates	Uganda	Qatar			
Yemen	United Arab Emirates	Saudi Arabia			
	Yemen	Senegal			
		Singapore			
		Tajikistan			
		Tunisia			
		Uganda			
		United Arab Emirates			
		Yemen			

INIS Liaison Officers of 40 countries were contacted during the year to remind them that they did not send any records since the middle of the year 2002. As a result of this activity, 12 countries have sent input.

### D.2 INIS Non-conventional Literature

#### NCL documents processed by the INIS Secretariat, 1997-2002

	1997	1998	1999	2000	2001	2002	Total
<b>Documents</b>	7,977	6,673	12,671	5,083	6,790	4,884	44,078
<b>PDF</b>	0	0	0	0	1,391	4,332	5,723
<b>Ref. Numbers</b>	26,086	15,153	19,956	12,468	13,256	11,221	98,140
<b>Pages</b>	669,136	447,625	646,594	352,711	292,077	138,522	2,546,665

#### NCL in INIS database - status end of 2002

	All	Volume 33
<b>NCL</b>	747,953	27,903
<b>NCL available from. INIS</b>	590,683	11,221
<b>NCL in electronic form available from INIS</b>	105,404	11,221

### **D.3 Input Media**

E-mail and FTP are the preferred methods to submit input: 71 centres used e-mail, 15 used FTP, 7 diskettes, 7 LAN, 1 CD-ROM and 1 worksheet.

### **D.4 IAEA Input**

During 2002, the INIS Secretariat prepared 3682 items of input from publications of the IAEA and other UN organisations, representing 5% of the total annual input. The Secretariat also prepared 11428 items of input from electronic records as voluntary contribution. In total 15110 records were prepared, representing 21 % of the total annual input

### **D.5 Input with FIBRE**

During 2002, 89 INIS Members used FIBRE, 2 more than in the previous year. The majority uses FIBRE to create records, although a few use this software only to check data.

### **D.6 Submission of NCL (in Electronic Form and in Hard Copy)**

The total number of NCL documents submitted during the year 2002 was 4,884 (11,221 analytics). 2,231 documents have been submitted in printed form and 2,653 in electronic form (over 60% in PDF).

The majority of NCL have been submitted by the US Centre (1313), followed by France (1156), IAEA (446), Japan (234), JINR (226), Sweden (195), Mexico (176), Republic of Korea (138), China (129), Bulgaria (115), Argentina (113), Germany (96), Syrian Arab Republic (50), Denmark (49), Switzerland (47), Italy (42), Slovakia (40), Canada (34), Guatemala (30), India (24), Spain (22), Australia (20), Uruguay (19), Norway (18), Poland (13), Ireland (12), Finland (12), Myanmar (10), Indonesia (9), Austria (9), Philippines (9), Uzbekistan (8), Ukraine (7), Venezuela (7), Sudan (6), Brazil (6), Nicaragua (5), Russian Federation (5), Hungary (4), Macedonia (4), Croatia (3), Nigeria (3), Slovenia (3), Israel (2), WHO (2), Belarus (2), Peru (2), Belgium (2), Thailand (2), UN (2), Kazakhstan (2), United Kingdom (1), Tunisia (1), NEA (1).

## **E. Input Processing Support**

### **E.1 Authorities**

#### **E.1.1 Journal Titles**

##### **Publication**

Three cumulative supplements of the *IAEA-INIS-11: INIS Authority List for Journal Titles* have been produced in 2002 and sent to INIS Centres in March 2002, June 2002 and September 2002. Supplement No. 1 covered journal titles added and/or changed in the period January – March 2002, Supplement No. 2 covered titles for January – June 2002 and Supplement No. 3 covered titles for January – September 2002.

##### **Journals Regularly Scanned & Key Journals**

The INIS Journal Authority records have been updated according to the information received from Liaison Officers. 'INIS List of Journals Regularly Scanned and Key Journals for 2003' has been produced and sent to all INIS Centres as an attachment to *INIS Information Letter N° 202* in February 2003.

#### **E.1.2 ETDE/INIS Joint Reference Series**

The printed versions of the ETDE/INIS Joint Reference Series are complete and were published in 2002. There are three publications:

- Joint Thesaurus (ETDE/INIS Joint Reference Series No. 1);
- Subject Categories and Scope Descriptions (ETDE/INIS Joint Reference Series No. 2); and,
- Manual for Subject Analysis (ETDE/INIS Joint Reference Series No. 3).

As agreed at the 29<sup>th</sup> Consultative Meeting of the INIS Liaison Officers, paper copies of the two-volume Thesaurus were distributed through the Vienna Missions to save on mailing costs.

The three *EDTD/INIS Joint Reference Series* documents are also available on a CD-ROM (Special Compilation of Publications L2-TM-25309, distribution restricted).

## **E.2 Database Quality Assurance**

In order to assure the high quality of the common database, the INIS Secretariat, acting on behalf of its Members, carefully considers the major quality aspects of input with regard to completeness of coverage; timeliness; consistency; bibliographic description and subject analysis.

### **E.2.1 Completeness of Coverage — Additional Input**

A gap in the coverage of core journals has been identified for the period starting with 1999. To cover this gap, INIS started negotiating agreements with major publishers to acquire electronic bibliographic records of their journal articles, which are then upgraded to INIS standard and added to the INIS database. The Agency signed such an agreement (partially funded through extra-budgetary contributions from INIS Members from the Netherlands, the United Kingdom, the USA and Ireland) with Elsevier Science BV. In addition, electronic records have been made available free of charge by the Institute of Physics Publishing (IOPP) and the British Library. This initiative resulted in 15 267 bibliographic records, indexed either as a voluntary contribution by INIS Member States (3 839 records) or by subject specialists from the INIS Section (11 428 records).

An agreement with the American Institute of Physics (AIP) has been signed, to become operational in 2003, and negotiations are in progress with three other publishers: Springer Verlag, John Wiley & Sons and Thomson ISI. Other sources of electronic records are being investigated.

Electronic data conversion programmes are being written for each new source of electronic input. The Elsevier conversion software is completed, and converters for IOPP and AIP records are to be put in production and finished in early 2003. A converter for US input (using the DOE's Rolling Window service) is also being finalized.

### **E.2.2. Timeliness of Input**

The following table gives an overview of the average time lag<sup>6</sup> (in months) for the total database input in the past five volumes by type of literature.

**Average time lag for database input, 1997-2001**

Type of record	Vol.29 1998	Vol.30 1999	Vol.31 2000	Vol. 32 2001	Vol. 33 2002
<b>Journal</b>	7	8	11	13	13
<b>Book</b>	16	21	15	12	15
<b>Report</b>	9	14	14	15	20
<b>Miscellaneous</b>	17	18	17	17	20
<b>All records*<sup>7</sup></b>	9	13	13	14	16

### **E.2.3 Consistency**

Because of the high degree of decentralisation, special efforts are devoted to ensure the consistency of INIS and its database. The INIS Secretariat therefore publishes and updates the Reference Series with twenty-three manuals on INIS rules, standards, guidelines, etc. Some manuals from the *INIS Reference Series* have been revised, supplemented or updated during the reporting period (see Section A of this report).

### **E.2.4 Quality Check of Subject Analysis and Bibliographic Description**

In 2002, the Bibliographic Control Unit continued providing assistance to those Centres who encountered difficulty in preparation and submission of input records, as well as the associated full text.

<sup>6</sup> Time lag = date of inclusion in the database – publication date (in months).

<sup>7</sup> Includes 99% of total input.

The Section continued to perform automated checks of the indexing consistency of Members' input to identify records that require manual verification. The indexing of 22 905 such records was reviewed and, when necessary, corrected by the subject specialists of the Subject Control Unit. A large number of these records originated in the USA, where the INIS Centre now uses an experimental machine-aided indexing system to index electronic input.

The subject specialists also continued checking the database input to identify out-of-scope records. As a result, 147 records were removed from the database and notification letters sent to the INIS Centres who submitted them.

### E.2.5 Voluntary Contributions of Input by Member States

According to the actions and recommendations of the 30<sup>th</sup> INIS Liaison Officers Meeting, Member States have participated in the processing (subject indexing) of electronic bibliographic records from core journals. 5406 electronic records were distributed to the Member States for subject indexing in the year 2002:

Month	Number of Records Distributed in 2002	Month	Number of Records Distributed in 2002
January	71	July	843
February	147	August	1083
March	143	September	177
April	65	October	0
May	78	November	0
June	1946	<u>December</u>	<u>853</u>
		<b>Total</b>	<b>5406</b>

In 2002 a total of 3839 records were received (405 records from the distributions in 2001). There are 1972 records outstanding (as of Jan 2003) in Member States and expected during 2003. 23 Member States contributed 3 839 records prepared as voluntary input (subject analysis). This is in addition to the 11,428 records contributed by the INIS Secretariat.

### E.2.5 Bibliometric Studies and topical CD-ROMs prepared by the INIS Secretariat

Since late 2000 bibliometric studies have been carried out by the Subject Control Unit. The completed studies can be found on the INIS Web Services Page and are also published on CD-ROMs. In addition, CD-ROMs are produced on particular topics, containing references and full texts from the INIS database:

- Bibliometric Study on **Research Reactor Records in the INIS Database**, Marinkovic, N.; published on a CD prepared for the RRFM-2002 Conf. held in Ghent, March 2002, contains the full text of proceedings of previous RRFM Conferences from 1998-2001,
- **Legal aspects on Nuclear Energy**. CD-ROM containing references and full text from the INIS database, Sept 2002.
- **Nuclear power – Life Cycle Management, Managing Nuclear Knowledge, Nuclear Security**. CD-ROM containing references and full text from the INIS database, prepared for the Scientific Forum of the General Conference, Sept 2002.

## **F. Output Products and Services**

### ***F.1 INIS Web Site and INIS Members' Area***

The site continues to be updated and maintained.

The INIS Members' Area has been continuously updated with the relevant information, including INIS mass correspondence to the ILOs, meetings documents; as well as all the INIS Manuals are made available. This Area is being used frequently by the ILOs.

#### **F.2.1 INIS Web Services**

The INIS Web Services site, a directory to nuclear related resources on the Internet, continues to be maintained and updated on a monthly basis. In December 2002, total 2258 entries were maintained.

In 2002 the layout of the entire Web site has been changed in order to reflect the lead design of the Agency's WorldAtom pages.

### ***F.2 INIS Database on the IAEA Internet Site***

The Database continued to be accepted very positively worldwide and, much more users have been registered.

The pricing policy as recommended by the 26th Consultative Meeting of the ILOs continued to be the policy that the INIS Secretariat is implementing to accommodate the various types of users and accesses.

In agreement with the recommendations of the 29th Consultative Meeting of the ILOs, May 2001, and to follow up on the results of 'The INIS Database on Internet User Survey', which the INIS Secretariat conducted during 2001, the Secretariat sent INIS Information Letter No. 189, 2002-01-08, proposing complimentary access to the INIS Database on Internet to those universities and academic institutions that have potential need for the information contained in the Database. In this letter the INIS Secretariat encouraged the ILO's to contact those universities within their countries, to raise the awareness of the benefit that can be derived from the INIS products and services.

Heavy contact made with a large number of universities and ILO's encouraging them to provide necessary information to activate the access to the Database. By the time of writing, the INIS Secretariat received requests from 223 Universities and contacted all of them to finalize the license formality and the registration process. Thereafter, 97 Universities in 27 Member States were provided with access to the INIS DB on Internet for total of 189,748 authorized users.

Access to the INIS Database on Internet continued to be offered to the staff of the Permanent Missions of Member States to the IAEA, on a complimentary basis. By the time of writing 20 Permanent Missions were provided with the access.

At the time of writing, the total number of all authorized users of the INIS DB on Internet was 279,064. Staff members of the VIC organizations have free access to the Database and without the requirement of registration.

**Table F2-1. Subscriptions to INIS Database on Internet at end-January 2003 (Free & Paid)**

INIS Member	PAID Subscriptions	PAID users	FREE users
<b><i>Countries LICENSED for Free Access</i></b>			
Algeria			
Argentina	1 site	1	300
Armenia			2
Australia	2 site	13	200
Austria	1 site	1,500	30
Bangladesh			1
Belarus			3
Belgium			150
Brazil			1,362
Bulgaria	1 site	42	60
Canada	1 single, 1 site	450	3,000
Chile			80
China			7
Colombia			20
Costa Rica			1
Croatia			10
Cuba			5
Cyprus			2
Czech Republic	1 single, 1 site	83	3
Denmark			50
Ecuador			2
Egypt			7
Estonia			1
Ethiopia			3
Finland	1 single	1	50
France	1 single, 1 site	1,300	1,500
Germany			2
Greece			1
Guatemala			1
Hungary			1
India			1,000
Indonesia			3
Iran	1 single	1	30
Ireland			15
Israel			30
Italy			20
Japan			500
Kazakhstan			3
Kenya			2
Korea, Republic of	1 single	1	2,000
Kuwait			1
Latvia			3
Lebanon			1
Libyan Arab Jamahiriya			1
Lithuania			1
Malaysia			1
Mexico			150
Mongolia			1
Morocco			2
Netherlands			2
New Zealand			3
Nicaragua			1
Nigeria			1
Norway	1 site	1	10
Pakistan			6
Paraguay			1
Peru			1
Philippines			55

INIS Member	PAID Subscriptions	PAID users	FREE users
Poland			5
Portugal			255
Qatar			1
Republic of Moldova			1
Romania			10
Russia			3
Saudi Arabia			5
Senegal			1
Singapore			30,000
Slovakia	1 site	21	1
Slovenia	1 site	56	1
South Africa			60
Spain	1 single	1	500
Sudan			5
Sweden	1 single, 1 site	33	4
Switzerland	1 site	8	300
Syrian Arab Rep			4
Thailand			1
TFYR Macedonia			1
Tunisia			18
Turkey	1 site	3,500	1
Ukraine			3
United Arab Emirates			1
United States of America	1 single, 1 site	6,500	27,150
Uruguay			1
Uzbekistan			1
Venezuela			17
Viet Nam			1
Yugoslavia			1
Zambia			1
<b><i>Countries NOT LICENSED for Free Access</i></b>			
Albania			
Azerbaijan			
Bolivia			
Cameroon			
Dem. Rep Congo			
El Salvador			
Ghana			
Iraq: not currently applicable			
Jordan	1 single	1	
Madagascar			
Mali			
Myanmar			
Niger			
Panama			
Sri Lanka			
Uganda			
United Kingdom	1 site, 1 single	18	
Yemen			
Totals in Member States	10 single, 17 site	13,531	69,051



AAEA (Tunisia)			3
CERN (Switzerland)			1,500
CTBTO (Austria)	n/a	n/a	n/a
EC (Luxembourg)			200
FAO (Italy)			1
IAEA (Austria)	n/a	n/a	n/a
ICRP (UK)			1
IASA (Austria)			2
JINR (Russia)			3,000
OECD/NEA (France)			10
UNIDO (Austria)	n/a	n/a	n/a
UNSCEAR (Austria)	n/a	n/a	n/a
WHO (Switzerland)			2,000
WMO (Switzerland)			4

ICSTI (Russia)			
ISO (Switzerland)			
OAU (Ethiopia)			
WEC (Austria)			
WONUC (France)			
Totals in Int'l Organizations	0 single, 0 site	0	6,721
TOTALS IN INIS MEMBERS	27 subscriptions	13,531	75,772

INIS Members located at the Vienna International Centre (VIC) have free access to the Database without the requirement of registration.

In addition to the regular maintenance and weekly update, the following enhancement has been introduced:

- Launching e-learning training course "How to search the INIS Bibliographic Database" on internet;
- Testing the link to the IAEA TECDOC, it will be announced in due time.

The INIS Secretariat continued to send usage statistics to the Liaison Officers and subscribers, based on their requests.

During the course of 2002 and until the time of writing there have been 16 temporary free registrations issued and provided for different conferences and training events.

**Retrieval service for non-registered end-users:** the INIS Secretariat continued to offer a free ad-hoc retrieval service for staff of the VIC organizations and the Permanent Missions, for Fellows and Scientific Visitors at the IAEA, for organizers and participants of IAEA meetings, for UN organizations, and for requesters in developing countries. In 2002, a total of 21 such searches were made, plus participants of several in-house and outside international conferences were provided with sample searches.

**Table F2-2. INIS Database on the Internet at the IAEA Host  
Usage Statistics from 1 January to 31 December 2002<sup>8</sup>**

Country	Number of requests	Documents displayed	Country	Number of requests	Documents displayed
AAEA	27	16	Latvia	8	2
Argentina	4704	2641	Lebanon	54	24
Australia	3245	1688	Mexico	806	308
Austria	773	355	Morocco	28	9
Belgium	524	393	Netherlands	36	7
Brazil	9397	6224	New Zealand	466	323
Bulgaria	1329	1496	Nicaragua	6	
Canada	6292	4676	Norway	426	380
Chile	1199	205	Pakistan	222	
China	208	69	Paraguay	3	
Colombia	214	29	Permanent Missions	33	14
CTBTO	167	70	Peru	106	62
Croatia	148	47	Philippines	8	
Cuba	100	1	Poland	873	520
Czech Republic	3751	2936	Portugal	242	230
Denmark	154	106	Republic of Moldova	5	5
Ecuador	40	12	Romania	200	65
Egypt	1951	1261	Russian Federation	2181	2127
Estonia	436	361	Saudi Arabia	1167	2998
European Commission	694	359	Slovakia	1495	180
CERN	703	336	Slovenia	160	81
Finland	1965	987	South Africa	2563	1019
FAO	29	11	Spain	235	33
France	6026	3513	Sweden	1481	902
Greece	129	199	Switzerland	1832	1927
Guatemala	2		Syrian Arab Republic	1198	503
Hungary	156	144	Thailand	20	
India	2965	1790	TFYR Macedonia	572	164
Indonesia	13	2	Tunisia	228	231
IAEA (External)	1822	2169	Turkey	764	39
ICRP	405	415	UK	703	333
Iran, Islamic Rep. of	302	119	USA	5944	3839
Ireland	315	540	Uruguay	382	52
Israel	1427	1445	Venezuela	15	19
Italy	160	68	WHO	4	2
Japan	2808	1617	Yugoslavia	123	27
JINR	2763	2293	External Users	82526	55510
Jordan	50	30	IAEA (Internal)	71264	244962
Kazakhstan	68	107			
Korea, Republic of	476	355	Total	153790	300472

### F.3 INIS Database on CD-ROM

The INIS Secretariat has been in contact with the producer Ovid/SilverPlatter to explore the best approach to bridge the gap between updates to the Database on CD-ROM as requested by the ILOs. At the time of writing, several options are being considered and the producer is preparing additional information. The findings will be reported to the ILO's at the upcoming 31<sup>st</sup> Consultative Meeting in Vienna.

#### F.3.1 Free Copies

At the end of the year 2002, 92 Member States and 9 International Organizations receive each two free subscriptions to the INIS Database on CD-ROM. Fifty one IAEA staff members also receive a free copy of the INIS Database on CD-ROM.

<sup>8</sup> Includes staff members of the International Organizations co-operating with INIS located at the Vienna International Centre, as well as INIS test and demo registrations provided for conferences and training seminars.

**Table F3.1-1: 2002 Statistics on the Usage of the INIS Database on CD-ROM and NCL**

<b>Country Name/ International Organization</b>	<b>Number of search requests handled</b>	<b>Number of operational SDI queries</b>	<b>Number of NCL full text supplied</b>
Argentina	34800	=	157+
Australia	200	20	230*
Austria	N/U	N/U	15**
Belarus	146	26	37
Brazil	N/A	N/A	2059
Canada	=	70	N/A
Chile	20	=	44
China	270	6	1506
Costa Rica	16	40	7
Croatia	135	85	120**
Cuba	404	180	173
Czech Rep.	0	15	217
Egypt	1020	250	200** ©
Estonia	35	0	29
Finland	N/U	N/U	N/U
France	=	=	1207
Germany	=	=	34+
Hungary	140	0	0
India	1000	N/U	350
Iran	=	=	15508
Ireland	10	=	10**
Japan	6091	=	N/A
Lebanon	140	N/U	2**
Malaysia	30	125	48
Mexico	58	=	98
Nicaragua	25	12	18
New Zealand	21	16	N/A
Pakistan	340	140	668
Peru	121	31	284
Philippines	20	25	20**
Poland	20	2	15+
Portugal	0	0	15+
Romania	8	200	30
Saudi Arabia	80	=	270
South Africa	59	2	396
Sweden	10	0	150
Switzerland	0	0	1**
Syria	620	27	80
TFYR Macedonia	5	N/U	3**
Turkey	350	=	270
Uganda	409	0	0
Ukraine	91	26	21
Uruguay	=	=	6**
USA	N/U	N/U	17287+
Uzbekistan	520	175	135
Vietnam	12	15	0
ICPR	100	=	120®
ICSTI	20	0	N/U

- NOTES:**
- 1) **Bold** figures are estimates provided by the INIS Liaison Officer
  - 2) N/A represents non-availability of statistics while the servers were provided to the users
  - 3) N/U represents country did not use the product
  - 4) - represents no figure provided
  - 5) \* Most of the searches are not recorded since they are done by the end users
  - 6) \*\* Provided only on paper
  - 7) + Provided only electronically
  - 8) © exact number of NCL provided electronically not available
  - 9) TecDoc's on the website are a great asset! The redesigned website is also much more useful to those who know what they are looking for!

### F.3.2 Paid subscriptions

At the end of 2002 there were 147 current paid subscriptions in 32 INIS Member States. At the time of writing the current paid subscriptions amount to 148 from 32 INIS Member States.

The procedure for the production and sale of the INIS Database on CD-ROM was introduced as of January 1997, when the INIS Section started distributing the product from Vienna. The INIS Section has received 100 responses to the INIS Technical Note 122 *Distribution and sale of the INIS Database on CD-ROM* from the INIS Liaison Officers indicating their options for the sale of the product.

**Table F3.2-1. INIS Database on CD-ROM Sale Options**

Option	N° of countries	Price
Option 1 <sup>9</sup>	9	basic
	28	+ 15%
	0	+ 10%
	3	+ more than 15%
	1	+ 25%
	0	+ 30%
	10	n/a <sup>10</sup>
Subtotal:	51	
Option 2 <sup>11</sup>	1	basic
	1	+ 15%
	5	+ 20%
	0	+ more than 30%
Subtotal:	7	
Option 3 <sup>12</sup>	40	basic
No option <sup>13</sup>	2	—
TOTAL:	100	

**Table F3.2-2. Paid subscriptions to the INIS Database on CD-ROM (December 2002)**

Countries/Organizations	N° of Subscriptions	Countries/Organizations	N° of Subscriptions
Argentina	2	Netherlands	2
Australia	3	Norway	1
Austria	1	Pakistan	3
Belgium	2	Poland	2
Canada	6	Qatar	1
China	14	Russian Federation	8
Czech Republic	9	Slovak Republic	3
Egypt	2	Slovenia	1
Finland	2	<b>South Africa</b>	2
France	11	Spain	1
Germany	7	Sweden	7
Hungary	3	Switzerland	5
India	9	Turkey	1
Iran	1	Ukraine	1
Italy	3	United Kingdom	10
Japan	18	United States	6
		Total	147

Developed Member States represent more than 62% of all subscriptions.

<sup>9</sup> **Option 1:** The ILO took the responsibility for the distribution and sale of the product within their countries.

<sup>10</sup> Pricing information not available.

<sup>11</sup> **Option 2:** The ILO delegated the responsibility for the distribution and sale of the product to a designated agent.

<sup>12</sup> **Option 3:** The ILO delegated the responsibility for the distribution and sale of the product to the INIS Secretariat.

<sup>13</sup> Two international organizations indicated that no sale was expected.

**F.4 Distribution of INIS Atomindex Files via FTP Server and on CD-ROM**

During 2002, 118 INIS Liaison Officers who had provided their e-mail addresses were informed weekly of the availability on the IAEA FTP Server of new INIS Atomindex files in the standard ISO-2709 format. To reduce transfer time, all the files are compressed with PKZIP/UNZIP Utilities 2.04g, which are also available on the server.

The INIS Secretariat continued the production of the INIS Atomindex on CD-ROM every two weeks. During 2002, 17 INIS Liaison Officers were registered to receive this product.

Table F4, in three parts, contains the statistics received from INIS Members on services provided from Atomindex in 2002.

RESGEN software continues to be available on the IAEA FTP Server and included on each CD-ROM. RESGEN, a PC software tool provided by the ILO of the Czech Republic at the end of 1997, is designed to perform SDI search and retrieval from INIS Atomindex files. RESGEN is provided with a manual that explains in English the commands in Czech language (on page 4).

**Table F4 (Part 1) External Members' Statistics on Usage of INIS Atomindex**

External INIS Member [and Host]	Downloading frequency	Timespan hosted or batch processing	Connect hours	References displayed online	References printed or downloaded	SDI executions	References printed or downloaded from SDI	NCL Full text supplied
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Belarus	—	1992 to present	—	—	—	26	1,842	37
Brazil	—	—	—	—	—	12,870	423,551	2,059
Canada	bi-weekly	Current	n/a	—	—	840	33,600	n/a
Croatia	bi-weekly	—	30.00	770	770	75	235	120
Czech Republic	—	—	0.00	0	0	180	4,872	217
Egypt	weekly	1976 to present	—	5000	4030	4,000	3,200	200
France	bi-weekly	full collection	—	—	—	—	—	1207
Germany	weekly	1970 to present	70.53*	1309**	2444**	1305**	incl. in (6)	34
India	—	1970 to present	—	—	—	—	—	350
Iran	—	1970 to present	95.00	3,900	1,800	—	—	15508
Ireland	monthly	1970 to present	4.00	—	10	—	—	10
Japan (JAERI)	weekly	1974 to present	657.00	301,108	incl. in (5)	1,224	33,629	n/a
Mexico	bi-weekly	1975 to present	13.00	—	—	425	7,975	98
New Zealand	—	1970 to present	—	365	365	18	295	n/a
Pakistan	bi-weekly	1970 to present	324.00	31780	32400	1,650	78,000	668
Philippines	bi-weekly	1970 to present	—	—	—	708	483	20
Poland	—	1970 to present	—	—	1,207	2	132	15
Romania	weekly	1970 to present	400.00	2000	2000	4	200	30
Saudi Arabia	—	end of 2002	—	—	—	—	—	270
South Africa	—	1970 to present	—	—	—	—	—	396
Switzerland	—	—	1.00	—	—	—	—	1
Turkey	weekly	1997 to present	—	—	300	—	—	270
Uganda	weekly	2001 to present	84.00	62	27	—	—	—
Ukraine	—	1984 to present	400.00	10000	100	32	440	21
Uruguay	—	—	—	—	449	—	449	6
USA: [DOE/OSTI, DOE Information Bridge, ETDEWEB]	weekly	1970–Present via Energy Citations Database	*	**	n/a	n/a	n/a	17,287***
Uzbekistan	—	1975 to present	—	—	20700	175	2,250	135
TOTAL			2,078.53	356,294.00	66,602.00	23,534	591,158	38,959

**Notes:** —: no information was provided.

**n/a:** statistics not available while the services were provided to the users.

**GERMANY:** \*The number of connect hours is based on online usage for the INIS database and percentage of INIS information in the ENERGY database. Statistics include non-German usage. See Table F5 (Parts 2 and 3) for a breakdown by country.

\*\* INIS only

**JAPAN:** The number of full text NCL is not available, as INIS NCL is not distinguished from other full text in the statistics.

**USA:** \*Number of connect hours is unknown. ETDEWEB customer transactions: 376,491 in 2002; DOE Information Bridge customer transactions: 1,404,477 in 2003.

\*\*Over 4 million, 112,607 of which were new 2002 records.

\*\*\*2,473 documents, INIS; 14,814 documents, ETDE.

**Table F4 (Part 2) from Germany: Online Usage Statistics  
for INIS Database on STN International in 2002**

Country	Connect Hours	Online Displays	Offline Prints	SDI <sup>14</sup>	Online Orders
Austria	0.57	69	0	0	for Full Texts resulting from INIS Database at STN Karlsruhe 34 (all countries)
Belgium	2.02	35	0	0	
Canada	1.36	50	0	0	
Denmark	0.00	0	0	0	
Finland	1.59	7	0	82	
France	9.19	1250	131	380	
Germany	31.11	1309	2444	1305	
Italy	1.53	404	0	0	
Japan	12.35	1172	0	0	
Netherlands	1.52	152	203	45	
Norway	0.46	0	0	45	
South Africa	1.35	0	267	135	
Sweden	0.66	10	112	45	
Switzerland	0.45	24	0	0	
United Kingdom	0.61	648	0	45	
ESA/EINS Gateway	9.50	430	0	119	
Others	0.49	25	0	0	
INIS Total	74.76	5584	3157	2201	34

**Table F4 (Part 3) from Germany: Online Usage Statistics for the  
INIS and ENERGY Databases on STN International in 2002**

Country	INIS Database Connect Hours <sup>15</sup>	ENERGY Database Connect Hours	Total Connect Hours
Austria	0.57	0	0.57
Belgium	2.02	4.20	6.22
Canada	1.36	1.28	2.64
Finland	1.59	3.37	4.96
France	9.19	16.97	26.16
Germany	31.11	39.42	70.53
Italy	1.53	0.03	1.56
Japan	12.35	0.90	13.25
Netherlands	1.52	16.50	18.02
Norway	0.46	0.15	0.61
South Africa	1.35	0	1.35
Sweden	0.66	1.81	2.47
Switzerland	0.45	0.29	0.74
United Kingdom	0.61	5.57	6.18
ESA/EINS Gateway	9.50	0	9.50
Others	0.49	0.44	0.93
TOTAL	74.76	90.93	165.69

<sup>14</sup> Number of SDI profiles in 2002: profiles x 12 or 24 depending on updates. Number of SDI prints included.

<sup>15</sup> Statistics are based on the percentage of INIS information in the total ENERGY database.

## ***F.5 INIS Non-Conventional Literature***

### **F.5.1 Ad-hoc orders**

#### **External distribution**

Year	1997	1998	1999	2000	2001	2002
Reports supplied	1468	882	701	492	513	568

#### **In-house distribution**

In 2002 INIS Clearinghouse supplied 609 documents to IAEA staff and meetings participants. In addition over 2000 reports were requested directly from the INIS NCL Server. All IAEA Tecdocs (1193) became available for in-house users via the IAEA Library Net.

### **F.5.2 Yearly subscriptions to INIS NCL on CD-ROM**

Year	1997	1998	1999	2000	2001	2002
Orders	21	31 free 11 paid	42 free 11 paid	44 free 7 paid	49 free 8 paid	53 free 8 paid

INIS continues to provide the Physics Library of Vienna with one cost free set of NCL on CD-ROM.

### **F.5.3 Prices**

In 2002, prices for NCL on CD-ROM were:

- NCL on CD-ROM: US\$ 40 per CD for full collection and US\$ 50.00 for single CD-ROM.
- Ad-hoc orders: Euro 7 per report and Euro 3.50 per report for developing countries.

### **F.5.4 Cost recovery in US\$**

Year	1997	1998	1999	2000	2001	2002	Total
CD-ROM	22,880	16,480	22,000	13,521	9,840	7,680	92,401
AD-HOC	5,757	4,758	3,430	2,350	2,393	3,060	21,748
Other	4,775	4,260	59	5,286	5,293	12,121.50	31,795
						Grand Total 1997–2002	145,944

## ***F.6 Clearinghouse Imaging***

In 2002 the INIS Clearinghouse processed 11,221 NCL documents and produced 24 CD-ROMs. More than 50% of all documents were received in electronic form. Timeliness of production was improved by 60%.

In response to the request of INIS Members, the INIS Clearinghouse introduced PDF for NCL electronic documents. The last two CD-ROMs (#23 and #24) contain documents in PDF only.

The new imaging/OCR infrastructure (incorporating *InputAccel*, *PixEdit*, *PrimeOCR* and *AbbyFineReader*) was established in 2002. The combination of OCR and PDF technologies enabled INIS to produce searchable INIS NCL full text documents.

## ***F.7 Microfiche imaging***

The microfiche digitisation centre was established and the INIS NCL Microfiche digitisation project started in 2002. More than 12 000 NCL documents were digitised during the year, including all IAEA Tecdocs and Nuclear Safety Standards Series, as well as Austrian and Australian reports.

The list of NCL documents converted from microfiche is available on the INIS Web.

## **G. Promotion, Information and Other Services**

### ***G.1 Promotion and Information***

The INIS Secretariat continued the production of different promotional materials for use at training events, exhibitions, seminars and conferences, and for the use by the INIS Liaison Officers for their own promotional activities and ad-hoc distribution. New promotional materials in 2002:

- a) Printed
  - INIS Poster;
  - Presenting INIS – Spanish version 2002;
  - INIS Annual Report 2001;
- b) On CD-ROM
  - Introduction to INIS – video clip
  - How to search the INIS bibliographic Database.
- c) Produced subject oriented demo CDs on the following subjects:
  - Legal Aspects on Nuclear Energy
  - Radiation Dosimetry
  - Nuclear Power Life Cycle Management
  - Managing Nuclear Knowledge
  - Nuclear Security

These CDs contain selected records from the INIS Database and the corresponding INIS NCL. They were distributed to conferences and meeting participants as appropriate, along with INIS promotional materials.

Existing promotional materials were re-printed in 2002 to fulfil the demand from INIS Member States:

- 1) Booklet “Presenting INIS”– English version, 2001
- 2) Leaflet “INIS Database on the Internet”
- 3) Leaflet “INIS Database on Internet, CD-ROM and NCL”
- 4) Leaflet “Some things just belong together”
- 5) INIS folders

The bookmark and notepad, which were printed in 2001, were distributed to the Liaison Officers in 2002.

The INIS Secretariat continued its activities to assist ILOs in their promotion of the System within their national boundaries. One of the activities of 2002 was the identification of selected meetings in 62 Member States, in order to send materials to the ILOs and thus facilitate their task of promoting INIS at these meetings. A similar letter was sent to all ILOs for the same purpose. In addition, the INIS Secretariat assisted 54 Member States in promoting the system and fulfilled 145 requests.

The INIS Secretariat participated in the Agency’s Insight Series, addressed Agency’s staff, and made INIS session/presentation describing the INIS information resources and services that are available to the staff.

During 2002, the Secretariat updated the list of INIS products and publications in the IAEA Publications Catalogue, which is distributed worldwide.

At the invitation of the Government of the People’s Republic of China, a staff member from the INIS Secretariat participated in the first National INIS Promotion Workshop in China, demonstrated and lectured on the INIS system and its products and services. The objective of the Workshop was to raise the awareness of the benefits of INIS to all those involved in the peaceful applications of nuclear science and technology in China. Over 100 participants from all over China attended the Workshop, including government officials, researchers, scientists and information specialists.

#### **G.1.1 INIS Promotional Activity at Selected In-House IAEA Meetings**

INIS promotional materials were distributed to more than 1610 participants of 62 in-house meetings, including Advisory Group meetings, Research Co-ordination Meetings, Technical Committee Meetings and Conferences.



### **G.1.2 Activities for the 46th IAEA General Conference**

Significant efforts were made for this event. INIS participated with a stand operated during the entire week. All available printed materials were on display.

A new Demo CD was prepared which included three subjects reflecting the themes of the General Conference's Scientific Forum: 'Nuclear Power-Life Cycle Management', 'Managing Nuclear Knowledge', and 'Nuclear Security'.

The INIS Secretariat organized for the first time 2 side events to raise the awareness of decision makers about INIS and its benefits to their countries. The events were announced in the daily General Conference Journal, in posters at the INIS stand and in invitations distributed with the CD-ROMs.

This year, the daily General Conference Journal included the new INIS poster at the back of the cover page in 4 different days/issues in all languages. This advertisement, the Daily GC Journal Announcements, and the Side Events might explain the higher number of visitors at the INIS Stand this year, as compared to previous events.

### **G.1.3 INIS Output Products and Services**

The Centre Services Unit of the INIS Section receives and responds to a regular flow of e-mails, faxes and other communications from Member (and non-Member) States requesting information on INIS and on output products and services.

### **G.2 INIS Secretariat's Common Email Addresses**

The INIS Secretariat maintains a number of common email addresses for the convenience of the INIS community. They are as follows:

INIS@iaea.org	general enquiries
INIS.Input@iaea.org	INIS input files
INIS.CentreServicesUnit@iaea.org	enquiries on INIS output products and services
CHOUSE@iaea.org	enquiries on the INIS non-conventional literature: full text on microfiche and CD-ROM, and all related topics

### **G.3 INIS Electronic Information Exchange**

The INIS Secretariat continues to make available from the IAEA FTP Server the latest updates of the *INIS Atomindex* and the software related to INIS activities.

The latest *INIS Atomindex* file is put on the server every week, and the double (merged) files every two weeks. Those Liaison Officers who have given the Secretariat their e-mail addresses are informed by e-mail on the availability of each new file. The compressed files can be downloaded using an Internet browser by entering the address [ftp://inisout:atom1@ftp.iaea.org/ftp/inis/out\\_products/](ftp://inisout:atom1@ftp.iaea.org/ftp/inis/out_products/) and selecting the latest updates.

The electronic version of the *TRN/RN Cumulative Correspondence Lists* for national input and voluntary contributions is placed weekly (as a compressed PDF file) on the IAEA FTP server in the subdirectory 'trn\_rn\_list' of the output products directory. The file can be downloaded using an Internet browser by entering the address [ftp://inisout:atom1@ftp.iaea.org/ftp/inis/out\\_products/trn\\_rn\\_list/](ftp://inisout:atom1@ftp.iaea.org/ftp/inis/out_products/trn_rn_list/). The list, sorted by country and international organization's names, contains the TRNs (Temporary Record Numbers) submitted to the INIS Secretariat and the corresponding RNs (Reference Numbers) assigned after production.

Liaison Officers may also submit their input files directly to the subdirectory for INIS input on the server (<ftp://inisinp:vienna@ftp.iaea.org>). In this case, an email informing of the new file and providing information about it should be sent to the Secretariat ([INIS.Input@iaea.org](mailto:INIS.Input@iaea.org)) at the same time.

## **H. OECD/NEA Data Bank's Computer Program Service to Non-OECD Members Through IAEA**

### **H.1 Introduction**

As part of the co-operative arrangement between IAEA and OECD/NEA, the NEA provides its computer programs to IAEA Member States that are not Members of OECD. The liaison function between OECD/NEA, IAEA and Member States is vested in the INIS Secretariat.

The agreement takes the following forms: assisting new organisations to participate in the Computer Program Service; publicising OECD/NEA benchmarks, conferences and seminars to these and other organisations; nominating their scientists to attend and channelling the participation forms to OECD/NEA. Based at Issy-les-Moulineaux (France), the Computer Program Service serves scientific users authorised by Member States and belonging to over 500 organisations: national laboratories, universities, and safety authorities.

NEA Data Bank services are financed by contributions from the Data Bank's Member States, and no direct service charge is made to users. In general 10 - 15 % of the total activity is due to the non-OECD countries.

## H.2 Acquisition of New Programs

In 2002 9 computer programs out of 107 were received from non-OECD Members. This is similar to the year 2001 when 8 programs had been received out of 75. The contributing countries are shown in Table H2-1.

**Table H2-1: Non-OECD Members contributing Computer Programs in 2002**

Contributor (non-OECD Member)	Number of programs
India	3
Iran	1
Pakistan	1
Russian Federation	2
Yugoslavia	1
IAEA	1
Total	9

## H.3 Distribution

In all, 913 packages out of a total of 4664 were distributed to 31 non-OECD Member States and IAEA, in net progress by 102 % comparing to the 2001 year figures of 452 packages out of 4038. This increase is partly due to the Workshop on Nuclear Reaction Data and Nuclear Reactors: Physics, Design and Safety held in February and March last year at the International Centre for Theoretical Physics (ICTP). This Workshop is organized every two years by the Nuclear Data Section of the IAEA and the ICTP. As part of the co-operative arrangement with IAEA, the Data Bank provides the computer programs used during the workshop. Table H3-1 shows the number of programs sent to each non-OECD Member State that placed requests in 2002.

**Table H3-1: Computer Programs dispatched to non-OECD Members in 2002**

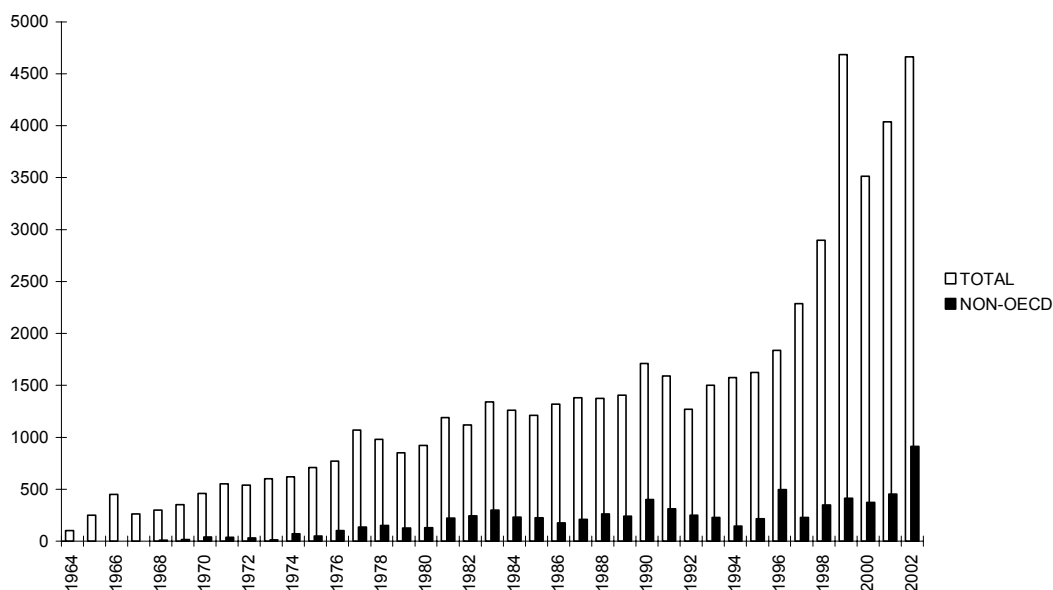
Requester (non-OECD Member)	Number of programs	Requester (non-OECD Member)	Number of programs
Algeria	37	Morocco	1
Argentina	77	Nigeria	29
Bangladesh	17	P.R. of China	19
Belarus	31	Pakistan	9
Brazil	74	Peru	4
Chile	4	Poland	8
Chinese Taipei	2	Romania	6
Dem. Rep. of the Congo	1	Russian Federation	116
Croatia	3	Slovak Republic	1
Egypt	4	Slovenia	2
Ghana	26	South Africa	2
India	92	Tunisia	2
Indonesia	14	Ukraine	157
Iran Islamic Republic	100	Viet Nam	28
Israel	4	Yugoslavia	35
Libya	1	IAEA	7
		Total	913

The number of programs distributed originating in non-OECD Members during 2002 was 706, representing an increase of 90% comparing to 371 programs distributed in the year 2001. Table H3-2 shows the details. Figure H3-1 shows the evolution over time of program distribution.

**Table H3-2: Computer Programs originating in non-OECD Members distributed in 2002**

Originator (non-OECD Member)	Number of Programs
Algeria	3
Argentina	9
Belarus	9
Brazil	6
Bulgaria	2
Cuba	2
Ex East Germany	3
India	4
Iran	1
Israel	15
Lithuania	2
Myanmar (Burma)	2
P.R. of China	9
Pakistan	2
Romania	21
Russian Federation	13
Slovak Republic	1
Slovenia	169
South Africa	7
Syria	2
Yugoslavia	10
IAEA	414
Total	706

**Figure H3-1: Evolution in time of program distribution**



## I. TC Fellowship and TC Project Support

### I.1 Introduction

In co-operation with the Department of Technical Co-operation the INIS Secretariat co-ordinated the provision of IAEA surplus computer equipment to the national INIS centre of Romania and Ukraine. It is expected that the equipment will be delivered during the first half of 2003.

Evaluated Fellowship Applications from Pakistan and Libya. As a follow up to the visit to China by one staff member from the INIS Secretariat, initiated and evaluated the request for the scientific visit of Mr. QI Zhidi from the national INIS Centre of China to the INIS Section. The main objective of this visit is to co-ordinate updating the Chinese version of the INIS Thesaurus.

### I.2 Fellowships and Scientific Visits

During the year 2002, there were 12 individuals representing 10 countries who had introductory visits to the INIS Section. They were:

Date	Individual and Member State
7 May 2002	Dr. J B Nyobe, Cameroon
3 July 2002	Mr. Oumarou Amadou Sonrhai and Mr. Adamou Abdou, Niger
12 July 2002	Mr. Josephus Kongo, Sierra Leone
16 July 2002	Mr. Yunes Elkreksi, Libya
30 August 2002	Mr. R Bikoo and Mr R Mungur, Mauritius
7 October 2002	Mr. Velev, Bulgaria, Ms. Vidova, Slovakia, Ms. Tishkova, Ukraine
6 November 2002	Ms. Aniefiok Udo, Nigeria and Mr. Charles Kenneth Duodu, Ghana

### I.3 IAEA Technical Co-operation Projects:

Two new INIS national projects one for Azerbaijan and one for Tajikistan were evaluated in 2002 and an implementation plan was prepared to start in 2003.

National Projects	Project No.	Activity	Status
Azerbaijan	AZB/0/002	Establishment of INIS Centre	active
Tajikistan	TAD/0/002	Establishment of INIS Centre	active

### I.4 Regional Resource Centres

As a follow up on the recommendation of the Panel of Experts on the Identification/Designation of Regional Resource Centres in West Asia, the INIS Secretariat organized an expert visit to the national INIS Centre of Iran, which is recognized as an INIS Regional Resource Centre.

### I.5 Distance Learning

The INIS Distance Learning Program (INIS DLP) contains the courses 'Bibliographic Description' and 'Subject Analysis', which give comprehensive instructions about input preparation for INIS, plus one new module on how to search the INIS Bibliographic Database.

The first two courses are available after registration with the INIS Secretariat from the INISDLP Web site at <http://www.iaea.org/inis/marea/inisdpl/default.htm>. At the date of writing 56 users from 31 countries were registered.

During 2002 the INIS Secretariat launched the new training module entitled 'How to search the INIS Bibliographic Database' on the Internet. The new e-learning module is an additional component of the INIS Distance Learning Program (DLP). Designed for all users of the Database, including staff in INIS Centres and end-users, it provides a comprehensive introduction on how to access information on the INIS Database, both on the Internet and on CD-ROM. It is available at <http://www.iaea.org/inis/dlp/inisqu/main.html>.

The courses can also be downloaded from the site and used in an off-line mode for centres with limited Internet access. Additionally, the Secretariat provides the courses on CD-ROM for off-line use. 58 copies of the CD-ROM were distributed during 2002

## ***I.6 IAEA Staff Training***

The INIS Secretariat continued its series of training sessions for IAEA staff members in 2002. The sessions include information on the INIS Database on CD-ROM and the Internet as well as INIS full text non-conventional literature on CD-ROM. This year a session was for the first time offered at the Seibersdorf Laboratory. Training to individuals continues to be offered.

## ***I.7 INIS Training Seminar 2003***

The INIS Secretariat started the preparation for the Seminar in 2003. It will take place from 2 to 6 June 2003 and will be held at the Agency's Headquarters in Vienna, Austria. The invitation letter was translated into the Agency's official languages for distribution through the official channels. The Seminar will provide advanced training in all aspects of input preparation and on the utilization of INIS products and services.

## **J. INIS Computer Support March 2002-March 2003**

### ***J.1 INIS Computer Support***

The Computer Support Group has successfully supported all production systems and ensured the smooth operation of INIS during 2002.

### ***J.2 Highlights***

1. Deployed the first release of the new INIS Imaging System based on Livelink and InputAccel technologies. The new system includes registration of NCL input, imaging, matching against bibliographic records, OCR (English only), and creation of PDF output files. Support for the production of NCL CD-ROMs is under development. The new system converts input from FIBRE to XML format and uses XML for data exchange between different sub-systems. Support for Unicode and MathML is not yet available.
2. Implemented new utilities and converters to handle electronic data from:
  - a) The American Institute of Physics (to be finalized)
  - b) Elsevier Science, BV
  - c) The Institute of Physics Publishing (to be finalized)
  - d) The US-DC Rolling Window
3. Enhanced WinFIBRE to allow the insertion of an e-mail address in the author's field (tag 100) and the availability note (tag 611).
4. Links to the full text of all IAEA TECDOCS (in PDF format) are now available from the INIS Database on the Internet.
5. Provided the Korean INIS Centre with the data and the code of the INIS Database on the Internet, trained two of their staff to install and support the system from their site.
6. Developed system support for discussion groups.
7. Increased server processing and storage capacity of INIS hardware systems.

### ***J.3 Issues***

The use of new technologies for development projects requires considerable investments in staff training and outsourcing of development tasks. Acquisition and retention of new skills will remain a difficult task given the current Agency situation.

The current INIS Data Processing System is experiencing a degradation of performances mainly due to inability to manage increasing volumes of data. In addition, IAEA central IT will be unable to provide resources for critical maintenance tasks by mid-2003.

## **K. Actions and Recommendations of the Thirtieth Consultative Meeting of INIS Liaison Officers, Sofia**

### **Agenda Item 3.1 Status Report**

1. **congratulated** the INIS Secretariat on its initiatives to obtain electronic bibliographic records directly from publishers to maintain a comprehensive coverage of key literature in the INIS Database;
2. **agreed** that the INIS Status Report could contain information on Members programmes, and **asked** the INIS Secretariat to develop guidelines identifying the format and the materials to be submitted;
3. **recommended** that all presentations presented at the Meeting be made available on the Members Area of the INIS Web site;
4. **further recommended** that the INIS Secretariat add discussion and collaboration facilities to the Members Area of the INIS Web site.

*Action: The presentations have been made available on the INIS Web Site Members' Area Discussion and collaboration facilities are in place and are waiting for the creation of specific groups.*

### **Agenda Item 3.2 INIS Programme Evaluation**

5. **strongly supported** the suggestions of the INIS Secretariat and the recommendations for future INIS development as outlined in the presentation of the Acting Head of the INIS Section;
6. **asked** the INIS Secretariat to inform all INIS Members as early as appropriate of the IAEA response to the recommendations of the INIS Programme Evaluation and on measures and actions relevant to the INIS Members;
7. **asked** the INIS Secretariat to reflect the proposals referred to in the recommendation above in the process of programme preparation for 2004-2005.

*Action: The INIS Secretariat has prepared an action plan based on the final recommendations of the INIS Programme Evaluation that is under consideration by the Director General of the IAEA; Proposals in the recommendations have been reflected as appropriate in the 2004-2005 budget.*

### **Agenda Item 3.3 INIS involvement in 'Knowledge Preservation' activities at the IAEA**

8. **supported** the active involvement of INIS in knowledge preservation activities in the IAEA and in Member States;

### **AGENDA ITEM 5 IAEA Budget Cycle and its Impact on the ILO Meeting's Format**

9. **supported** the proposal of the INIS Secretariat to change the frequency of the Consultative Meeting of the INIS Liaison Officers to a biennial format, complemented on alternate years with an international nuclear information conference organised by INIS Liaison Officers, and **recommended** that the last Annual Consultative Meeting of the INIS Liaison Officers be held in 2003 in Vienna and that the new format start with the international conference in 2004 followed by the Consultative Meeting in 2005;

### **Agenda Item 6 INIS Activities**

#### **Agenda Item 6.1 INIS Systems Development in 2002-2003**

10. appreciated the work done by the Subgroup and the INIS Secretariat on the development of the new record format;
11. recommended that the INIS Secretariat prepare a time table for the implementation of the new format in the INIS input system.

*Action: Deployment of new system to process input records in XML format is foreseen by the first quarter of 2003. The new system does not yet support Unicode and MathML. The development of a new version of FIBRE has not yet been scheduled.*

## Agenda Item 6.2 INIS Database Hosting

12. **supported** the decision of the INIS Secretariat to supply a copy of the INIS Database on the Web for hosting in the Republic of Korea;

*Action: Two staff members of the Korean Centre have been trained on how to build a mirror of INIS Web Database. All necessary material (including source code, data and instructions) has been delivered. The mirror site in Korea is up and running and under testing.*

13. **asked** the INIS Secretariat to investigate the delivery of more frequent updates to the INIS Database on CD-ROM and other options that could act as alternatives to the hosting or mirroring of the INIS Database on the Web;
14. **recommended** that the INIS Secretariat create a working group of interested parties to investigate the cost benefits of various options to deliver the INIS Database, including CD-ROM, hosting and mirroring, and prepare a report and proposal to be discussed at the 31<sup>st</sup> Consultative Meeting of the INIS Liaison Officers in 2003;

*Action: The INIS Secretariat has been in contact with SilverPlatter to identify the best approach to provide more frequent updates. A proposal will be presented to the ILOs.*

## Agenda Item 6.3 Computer-Assisted Indexing and Automatic Indexing

15. **congratulated** the Members of the Subgroup on Computer-assisted Indexing for their work and **recommended** that the Sub-group continue its work according to the plan that was presented.

*Action: The Subgroup continued its work according to the work plan. An interim report of the activities was given at the 8<sup>th</sup> Joint INIS/ETDE Technical Committee Meeting in October 2002. The results of the work of the Subgroup will be discussed at the INIS Liaison Officers' Meeting in March/April 2003.*

### Agenda Item 6.3.3 CRP Proposal on CAI — Information Item

16. **recommended** the creation of an online discussion group on co-ordinated research projects, hosted by the INIS Secretariat, whose task would be to identify possible proposals that the INIS Secretariat could present at the next session of the IAEA CRP Review Panel.

*Action: Detailed information about the IAEA research contract program together with explanations how research contracts are set up and how a set of research contracts can form a CRP coordinated research project were provided to the members of the Subgroup on 4 July 2002. No proposals have been received.*

## Agenda Item 6.4 Electronic Journals And Voluntary Input

17. **agreed** that co-operative contributions of all Members on a voluntary basis are urgent and necessary to ensure comprehensive coverage of core journals in the INIS Database;
18. **appreciated** the work done by those Members who contributed input on a voluntary basis, **recognised** and **strongly appreciated** the co-ordinating role of the INIS Secretariat, and **urged** the INIS Secretariat to send as soon as possible the questionnaire on areas of expertise to assist in the distribution of records.

*Action: The Agency has signed an agreement with Elsevier Science BV. In addition, electronic records have been made available free of charge by the Institute of Physics Publishing (IOPP) and the British Library. This initiative resulted in 15 267 bibliographic records (this represents an 147 % increase of voluntary input, compared to 2001), indexed either as a voluntary contribution by INIS Member States (3 839 records) or by subject specialists from the INIS Section (11 428 records).*

*An agreement with the American Institute of Physics (AIP) has been signed, to become operational in 2003, and negotiations are in progress with three other publishers: Springer Verlag, John Wiley & Sons and Thomson ISI. Other sources of electronic records are being investigated.*

*Electronic data conversion programs are being written for each new source of electronic input. The Elsevier conversion software is completed, and converters for IOPP and AIP records are to be put in production finished in early 2003. A converter for US input (using the DOE's Rolling Window service) is also being finalized.*

### **Agenda Item 6.5 Microfiche Imaging Project**

19. **recommended** that the electronic imaging of the INIS NCL collection on microfiche be done according to volume and year, starting from the more recent material, and that all ad hoc requests be serviced as part of the INIS Clearinghouse Document Delivery Service;
20. **asked** the INIS Secretariat to distribute a list of the NCL documents on microfiche as they become available in electronic form;

*Action: The INIS Clearinghouse has started imaging microfiche in accordance with volume/year (currently volume 27/1996)*

*The list of documents converted from microfiche into electronic form has been prepared and published on the INIS Web Page.*

21. **urged** the INIS Secretariat to provide online access to the NCL documents from the INIS Database in line with the INIS Membership Arrangements and national restrictions;

*Action: TECDOC's are available on Web Database through links in the availability field.*

22. **recommended** that the INIS Secretariat investigate, in consultation with INIS Members, the request from ETDE to access the INIS NCL documents online.

*Action: The INIS Secretariat is currently reviewing its Memorandum of Understanding on technical co-operation with ETDE and will present a discussion paper at the Meeting.*