INIS PROGRESS AND ACTIVITY REPORT 2017

47 YEARS OF **INIS**

INIS MEMBERS
155

INIS REPOSITORY
4.1 MILLION RECORDS

OPEN ACCESS

INIS THESAURUS
8 LANGUAGES

International Nuclear Information System

IAEA | **INIS**

International Nuclear Information System (INIS)

organizing the world's nuclear information and
making it universally accessible

This report covers the period 1 January to 31 December 2017

https://www.iaea.org/resources/databases/inis

@INISsecretariat

CONTENTS

INIS AT A GLANCE

(as of 31 December 2017)

47	years since the IAEA, in cooperation with interested Member States and international organizations, established the International Nuclear Information System (INIS).
155	INIS members — 131 Member States and 24 international organizations.
1	main objective — to acquire, process and preserve conventional and non-conventional literature on the peaceful uses of nuclear science and technology.
3	additional objectives: provide free and open access to nuclear information; develop and maintain a nuclear knowledge organization system; and assist IAEA Member States in building their scientific information management capacities.
11	INIS staff members supported by 5 Systems and Development Support Group (SDSG) staff.
€1.9	**million** INIS budget for 2017.
8	languages of the INIS Thesaurus: Arabic, Chinese, English, French, German, Japanese, Russian, and Spanish.
31 158	descriptors in the INIS Thesaurus; **22 333** valid descriptors and **8825** forbidden terms.
4.1	**million** bibliographic records in the INIS repository. **103 401** added in 2017.
1.6	**million** full-text documents available through the repository; **540 000** of which are hosted at INIS.
20 276	full-text documents added to the repository in 2017.
986	**GB** of data in the INIS repository.
2.9	**million** visits to the INIS repository and **1 million** unique visitors in 2017.
1.6	**million** unique searches of the INIS repository
4.4	**million** full-text documents downloaded through Google search results in 2017; **121 127** directly through the INIS repository website.
64 575	visits and **45 074** unique visitors to the INIS website in 2017.
121 572	INIS website page views in 2017.
11 486	PDF documents digitized from the INIS NCL collection on microfiche in 2017.
9	INIS Information letters sent to INIS members.
120	Twitter messages sent to **882** followers.
9	INIS highlights posted on the INIS website.

INIS MEMBERS

(as of 31 December 2017)

Member States

AFGHANISTAN	GHANA	PHILIPPINES
ALBANIA	GREECE	POLAND
ALGERIA	GUATEMALA	PORTUGAL
ARGENTINA	HAITI	QATAR
ARMENIA	HUNGARY	REPUBLIC OF MOLDOVA
AUSTRALIA	INDIA	ROMANIA
AUSTRIA	INDONESIA	RUSSIAN FEDERATION
AZERBAIJAN	IRAN, ISLAMIC REPUBLIC OF	SAUDI ARABIA
BANGLADESH	IRAQ	SENEGAL
BELARUS	IRELAND	SERBIA
BELGIUM	ISRAEL	SEYCHELLES
BENIN	ITALY	SIERRA LEONE
BOLIVIA, PLURINATIONAL STATE OF	JAPAN	SINGAPORE
	JORDAN	SLOVAKIA
BOTSWANA	KAZAKHSTAN	SLOVENIA
BOSNIA AND HERZOGOVINA	KENYA	SOUTH AFRICA
BRAZIL	KOREA, REPUBLIC OF	SPAIN
BULGARIA	KUWAIT	SRI LANKA
BURKINA FASO	KYRGYZSTAN	SUDAN
BURUNDI	LATVIA	SWEDEN
CAMEROON	LEBANON	SWITZERLAND
CANADA	LESOTHO	SYRIAN ARAB REPUBLIC
CENTRAL AFRICAN REPUBLIC	LIBYA	TAJIKISTAN, REPUBLIC OF
	LITHUANIA	THAILAND
CHILE	LUXEMBOURG	THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
CHAD	MADAGASCAR	
CHINA	MALAYSIA	
COLOMBIA	MALI	TUNISIA
COSTA RICA	MAURITANIA	TURKEY
CÔTE D'IVOIRE	MAURITIUS	UGANDA
CROATIA	MEXICO	UKRAINE
CUBA	MONGOLIA	UNITED ARAB EMIRATES
CYPRUS	MOROCCO	UNITED KINGDOM
CZECH REPUBLIC	MOZAMBIQUE	UNITED REPUBLIC OF TANZANIA
DEMOCRATIC REPUBLIC OF THE CONGO	MYANMAR	
	NAMIBIA	UNITED STATES OF AMERICA
DENMARK	NETHERLANDS	
ECUADOR	NEW ZEALAND	URUGUAY
EGYPT	NICARAGUA	UZBEKISTAN
EL SALVADOR	NIGER	VENEZUELA, BOLIVARIAN REPUBLIC OF
ESTONIA	NIGERIA	
ETHIOPIA	NORWAY	VIET NAM
FINLAND	OMAN	YEMEN
FRANCE	PAKISTAN	ZAMBIA
GEORGIA	PANAMA	ZIMBABWE
GABON	PARAGUAY	
GERMANY	PERU	

International Organizations

AFRICAN UNION

ARAB ATOMIC ENERGY AGENCY (AAEA)

BRAZILIAN-ARGENTINE AGENCY FOR ACCOUNTING AND CONTROL OF NUCLEAR MATERIALS (ABACC)

COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION (CTBTO)

EUROPEAN COMMISSION (EC)

EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH (CERN)

FOOD AND AGRICULTURAL ORGANIZATION OF THE UNITED NATIONS (FAO)

INTERNATIONAL CENTRE FOR SCIENTIFIC AND TECHNICAL INFORMATION (ICSTI)

INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION (ICRP)

INTERNATIONAL INSTITUTE FOR APPLIED SYSTEMS ANALYSIS (IIASA)

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

JOINT INSTITUTE FOR NUCLEAR RESEARCH (JINR)

MIDDLE EASTERN RADIOISOTOPE CENTRE FOR THE ARAB COUNTRIES (MERRCAC)

OECD/NUCLEAR ENERGY AGENCY (NEA)

SYNCHROTRON-LIGHT FOR EXPERIMENTAL SCIENCE AND APPLICATIONS IN THE MIDDLE EAST (SESAME)

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)

UNITED NATIONS SCIENTIFIC COMMITTEE ON THE EFFECTS OF ATOMIC RADIATION (UNSCEAR)

WORLD COUNCIL OF NUCLEAR WORKERS (WONUC)

WORLD ENERGY COUNCIL (WEC)

WORLD HEALTH ORGANIZATION (WHO)

WORLD METEOROLOGICAL ORGANIZATION (WMO)

WORLD NUCLEAR ASSOCIATION (WNA)

WORLD NUCLEAR UNIVERSITY (WNU)

The International Nuclear Information system (INIS) was established by the IAEA in collaboration with interested Member States and some international organizations in 1969 with the objective of providing information on scientific literature published world-wide on the peaceful uses of nuclear energy. INIS operates under membership arrangements that set specific duties and privileges.

Abbreviations

CAI	Computer Assisted Indexing
CAT	Conference Authority Tool
CERN	European Organization for Nuclear Research
CPF	Country Programme Framework
DOAJ	Directory of Open Access Journals
DOE	U.S. Department of Energy
FAO	Food and Agriculture Organization of the United Nations
FIBRE+	Friendly Inputting of Bibliographic Records
GSA	Google Search Appliance
IAEA	International Atomic Energy Agency
IRS	INIS Repository Search
ILOM	INIS Liaison Officers Meeting
IMGM	INIS Input Management System
INIS	International Nuclear Information System
INLN	International Nuclear Library Network
IRPS2	INIS Record Processing System v2
JAEA	Japan Atomic Energy Agency
JINR	Joint Institute for Nuclear Research
KISTI	Korea Institute of Science and Technology Information
MTIT	Division of Information Technology (IAEA)
NCL	Non-conventional Literature
NE	Nuclear Energy
NIS	Nuclear Information Section
NKM	Nuclear Knowledge Management Section
OAI-PMH	Open Access Interface-Protocol for Harvesting Metadata
OCLC	On-line Computer Library Center
ONIXS	Open Nuclear Information eXchange System
OPIC	Office of Public Information and Communication (IAEA)
OSTI	Office of Scientific and Technical Information, U.S. DOE
PAGES	Public Access Gateway for Energy & Science
SDSG	Systems Development and Support Group
TC	Department of Technical Cooperation

OVERVIEW

A main objective of INIS is to assist Member States in building their scientific information management capacities, such as to collect and preserve nuclear information. INIS initiated a number of activities in 2017, such as sharing know-how on bibliographic systems, assistance in setting up national information management centres, and provision of training.

INIS MEMBERSHIP

In 2017, INIS comprised 131 Member States and 24 international organizations (Table 1). The Kingdom of Lesotho was the most recent Member State to join INIS.

INIS REPOSITORY

The INIS repository consists of bibliographic records of both conventional and non-conventional (NCL) literature, as well as full-text records. Full-text consists of records hosted in the repository as PDFs, as well as URLs leading to full-texts hosted elsewhere. In 2017, the INIS repository consisted of 4.1 million records, 1.6 million of them leading to full-text documents.

Bibliographic Records

The INIS repository currently comprises 4 101 248 bibliographic records.

In 2017 (Volume 48), 103 401 bibliographic records were added (Figure 1-5 and Table 5).
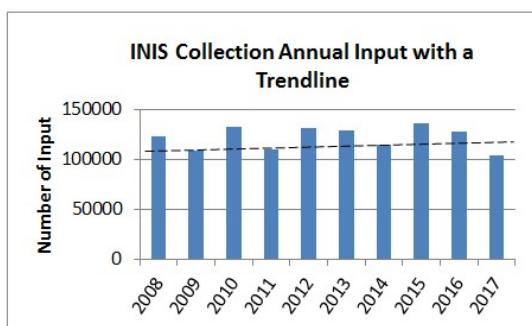
48 780 of these records (Table 5) were prepared by 63 Member States and international organizations.

This represents an increase of 8.4% compared to 2016 and the highest input received from INIS Centres since 2014 (Figure 4).

18 225 NCL records were added to the repository, representing 17.7% of the total input for 2017.

Around 76% of all bibliographic records entered into the INIS repository were journal articles, followed by miscellaneous (14%), books (6%), and reports (4%) (Figure 6).

INIS repository input by subject area remained similar to previous years. The majority of newly added records covered Life Sciences (13%), Engineering and Instrumentation (12%), Atomic, Molecular and Condensed Matter Physics (12%), Nuclear Physics (11%), Nuclear Materials (11%), and Nuclear Power and Safety (9%) (Figure 7).

Records of voluntary input were submitted by France (875), the United States (547), Germany (77), Republic of Korea (56), India (55), Cuba (21), Japan (18), Senegal (13), Lebanon (6), Madagascar (5), Burundi (2) and JINR (1) (Table 5).

The INIS Secretariat continued to perform automated checks on the indexing consistency of Members' input to identify records requiring manual verification. By the end of 2017, INIS subject specialists reviewed and, when necessary, corrected the indexing of 24 692 such records.

Nuclear science and technology are fields of great interest in research, resulting in the accumulation of many new journal articles, books and reports. However, there is a delay in making this literature available to end users. Factors impacting the delay are publication, distribution, processing, and data entry. The delay, or 'time lag', represents the difference between the publication date and the date of input to the INIS repository. The average time lag for all types of literature entered in the INIS repository in 2017 was 20 months. Journal articles had a time lag of 15 months (Figure 5).

Conference proceedings were submitted by 37 Member States, 3 International Organizations, and the IAEA. These additional efforts improved the coverage of conference literature in INIS.

Full-texts

1.6 million full-text records were available through the INIS repository and over half a million were hosted by INIS as PDFs The full-texts of 9582 NCL records, 52.6% of all NCL, were submitted as 8832 PDF files by 34 INIS members.

The top ten contributors were responsible for over 83% of all NCL input. France, with 2120 records, was the largest contributor of full-texts — 22.1% of all NCL — including many old dissertations currently being digitized by the French INIS Centre. Other top contributors included Brazil (17.9%), the IAEA (12.4%), Japan (8.6%) and the Russian Federation (6.6%) (Table 6).

In 2017, 20 276 full-texts were added to the repository, including 8832 from regular input, 11 486 digitized from microfiche and 3 out of print IAEA books, equalling 86 GB of data and over 1 million pages. At year's end, there were 548 573 full-texts in the repository, 403 442 of which are available to the public.

Digitization of the INIS Microfiche Collection

Almost 90% of the microfiche collection has been digitized since 2003, the beginning of the digitization project. This amounts to 463 GB of data, comprising over 15.8 million pages and over 314 000 electronic full-texts. Approximately 1 million pages need to be processed before project completion. The aim is the complete integration of the microfiche-based NCL into the repository, providing online access to the full-texts (Table 7).

CAPACITY BUILDING

Several capacity building activities were initiated by INIS in cooperation with the IAEA technical cooperation programme (TC), providing assistance to the INIS Centres of Burundi, Namibia, Rwanda, Tanzania and Zimbabwe.

INIS provided ongoing support to a TC project for Namibia to establish a national science and technology digital repository.

The recently opened INIS Centre of Burundi was provided with IT equipment through TC, enabling the preparation of input, the provision of nuclear information services to its users, and promotional activities. This support was featured in an article published on the IAEA news website.

INIS reviewed and provided input to the IAEA TC Country Programme Framework 2016-2021 for a number of IAEA Member States.

PUBLICATIONS

INIS Thesaurus

The INIS Thesaurus contains 31 158 descriptors, 22 333 of which are valid descriptors and 8825 of which are forbidden terms.

The INIS online Thesaurus Advisory Group agreed to add over 150 new descriptors to the online thesaurus, CAI, and FIBRE+. The group was created to evaluate proposals for new descriptors and other thesaurus related topics.

Maintenance of the INIS Thesaurus continued and the fully updated version is now available on the INIS website.

The English version of the INIS Thesaurus is updated monthly, providing users with the latest version in a single document.

Monthly thesaurus supplements were made available on the INIS website, and INIS Thesaurus document identification numbers were adapted.
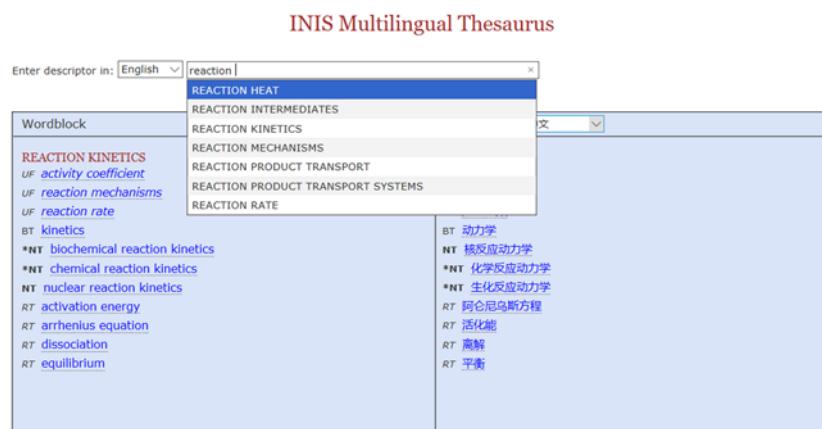
As agreed at the 37th ILOM in 2014, the multilingual thesaurus is updated twice a year — in January and July. The INIS Secretariat will continue to solicit translation lists from the respective national INIS Centres to be imported into the INIS Thesaurus.

The INIS Centres of Japan and Germany provided quarterly updated translations of the thesaurus. The INIS Centres of China, France, Russia, Spain and Syria also provided updated translations. These are available on the INIS website.

INIS Thesaurus links are provided to all language versions, the Thesaurus supplements, the Interactive Multilingual INIS Thesaurus with navigation capabilities, and the multilingual dictionaries without thesaurus hierarchy.

INIS List of Journal Titles

The *INIS List of Journal Titles by Country or International Organization Name* was updated in February 2018 and can be viewed on the INIS website.

COOPERATION WITH INIS MEMBERS

In October, the INIS Training Seminar took place in Vienna, attended by information specialists from 22 Member States. The training seminar strengthens Member States' nuclear information capacities, training participants in the preparation and submission of nuclear information, and the use of INIS products and services.

Assistance and training were provided to a number of national INIS Centres, improving their INIS operational capabilities.

INIS continued its cooperation with ILOs, encouraging new contacts and promotional activities, as well as the inclusion of relevant conference proceedings in the INIS repository.

Nine INIS information letters, covering different aspects of INIS activities, were sent to ILOs.

INIS continued to provide ILOs with weekly Atomindex files on the SFTP server.

OUTREACH AND PROMOTION

INIS participated in World Book and Copyright Day, held on 20 April in the Vienna International Centre and hosted by the IAEA Library. The event provided the opportunity for INIS outreach and promotion. INIS staff demonstrated the INIS repository and provided information on its products and services.

INIS provided bibliometric analysis of research on specific topics to the Physics Section of the IAEA's Department of Nuclear Sciences and Applications.

An article was published on Linkedin – *Managing Nuclear Information – The Role of INIS*, discussing the benefits of the INIS repository to scientists, researchers, engineers, and others. It also discusses the various roles of INIS in managing nuclear information as a repository for millions of documents, a tool for knowledge management in preserving information for future generations, by providing economic savings of time and money, and politically through international cooperation and information exchange.

A number of presentations regarding various aspects of INIS activities were given by INIS staff at meetings and conferences held in Berlin, Geneva, Karlsruhe, Madeira, Manchester, Munich, Nice, Paris, Rennes, Rome, Trieste and Wroclaw.

Five articles were published by NIS staff: *Impact of Disruptive Technologies on Grey Literature Management. ITlib, 4/2017, Centrum vedecko-technickych informacii, Bratislava, Slovakia; Rethinking the Role of Grey Literature in the Fourth Industrial Revolution. 10th Conference on Grey Literature and Repositories: proceedings [online]. Prague: National Library of Technology, 2017; Policy Development for Grey Literature Resources: An Assessment of the Pisa Declaration. The Grey Journal (TGJ), Volume 13, Number 3, Autumn 2017; Managing Diversity in the International Nuclear Information System. The Grey Journal (TGJ), Vol.13, No.1, Spring 2017; and Impact of Current Information Technology Trends on the Future of Grey Literature. 9th Conference on Grey Literature and Repositories: proceedings [online]. Prague: National Library of Technology, 2016 [cit. 2016-12-5].*

Assistance was offered to INIS Liaison Officers to promote INIS within their national boundaries, and promotional materials were sent upon request in support of such activities. INIS provided ILOs with information on relevant meetings and conferences taking place in their countries, encouraging new contacts, promotional activities and the inclusion of relevant input to the INIS repository.

Together with the IAEA Library, INIS conducted training and INIS Repository Search demonstrations for the IAEA Safeguards inspectors training.

120 Tweets were read by 882 followers at @INISsecretariat.

INIS Website

The INIS public website and the INIS Members' area continued to be maintained and updated. Following the IAEA website restructuring, the INIS website was migrated to a new content management system (Drupal) and completely redesigned.

In 2017, there were around 64 575 INIS website visitors viewing over 121 572 pages. Visitor statistics by country are available in Table 3.

INFORMATION TECHNOLOGY DEVELOPMENT PROJECTS

Elasticsearch was implemented in September for the INIS repository search (IRS), replacing Google Search Appliance (GSA). This reduced INIS costs and improved IRS performance, scalability, and maintainability.

An INIS backup and archiving project was implemented to archive full-text documents.

Computer Assisted Indexing (CAI) was improved through two maintenance releases.

Over 12 000 records were harvested from the SCOAP3 Consortium and US DOE PAGES, using the Open Nuclear Information eXchange System (ONIXS), and added to the repository.

The Rule-based Automated Indexing System (RUBAI) was enhanced.

A feasibility study continued testing SKOS-XL/RDF format of the INIS Thesaurus in parallel with the new version of PoolParty Semantic Suite — a software for thesaurus and taxonomy management. The feasibility study is expected to be completed in 2018.

Improvements were made to FIBRE+. FIBRE+ v.1.2 and FIBRE+ v.1.1, with click-once deployment, were made available to Member States.

Use of the INIS Input Management System (IMGM) increased from 2016:

- 79 accounts from 37 INIS Members are registered in the system;
- 372 submissions (12% increase);
- 24 189 records;
- 5134 uploaded full-text files (133% increase).

HUMAN RESOURCES AND BUDGET

At the end of 2017, INIS consisted of 11 staff supported by 5 SDSG staff. SDSG is responsible for NIS IT related matters. Of the 11 INIS staff members, 6 were general service staff, and 5 were professional staff.

INIS Staff

HAKOPOV, Zaven	INIS Coordinator
BOHATSCHEK, Martin	Cataloguing Assistant
DURESA, Negeri Bekele	Nuclear Information Specialist
EPPERSON, Kristina	Senior Documentation Assistant
FEDOROV, Andrey	Digital Preservation Assistant
KANCSAR, Erika	Associate Nuclear Information Officer
KRZNARIĆ, Branko	Senior Digital Preservation Assistant
LIVNJAK, Elvir	Documentation Assistant
SEJMENOVA-GICHEVSKA, Marija	Nuclear Information Associate
VAKULA, Olga	Associate Nuclear Information Officer
WONG, Fui Mien (Serene)	Senior Documentation Assistant

SDSG Staff

ANASTASSOV, Alexandre	Systems Analyst/Programmer (NE)
GARCIA LLOPIS, Jaime pis@iaea.org>	Library Systems Analyst
ILIEV, Lubomir	Applications Programmer
MIRONOV, Dmitri	Senior Information Systems Asst.
RAMACHANDRAN, Balu	Systems Analyst/Programmer

Six external subject specialist consultants were recruited to review purchased journal records and assign subject categories and descriptors using the INIS Thesaurus.

Funding through the Regular IAEA Budget for Sub-programme 1.3.4.002 (INIS) totalled € 1 945 683. INIS, the IAEA Library and SDSG make up the Nuclear Information Section, Division of Planning, Information and Knowledge Management, Department of Nuclear Energy at the IAEA.

Programme/Subprogramme/Project	2016 at 2016 prices			2017 at 2016 prices		
	Regular Budget	Extrabudgetary	Unfunded	Regular Budget	Extrabudgetary	Unfunded
1.3.4.001 IAEA library information resources and services	2 575 875	-	-	2 575 875	-	-
1.3.4.002 INIS collection and services	2 005 808	-	-	1 945 683	-	49 934
1.3.4.003 AP support related to nuclear information	65 344	-	-	65 344	-	-
1.3.4 Nuclear Information	**4 647 026**	**-**	**-**	**4 586 901**	**-**	**49 934**

Major Programme 1

Subprogramme 1.3.4 Nuclear Information

Objectives:

— *To procure and provide printed and electronic information in the area of nuclear science and technology to the IAEA Secretariat, delegations and other users.*

— *To facilitate the sustainable sharing of information generated by Member States on the peaceful uses of nuclear energy.*

Outcomes	Performance Indicators
• Unrestricted and easy access for Member States and the Agency to high quality, relevant and reliable information on the peaceful uses of nuclear science and technology stored in the INIS Collection.	• Number of records available in the INIS database. • Number of INIS Collection web page views.
• Unrestricted and easy access to high quality, relevant and reliable information on the peaceful uses of nuclear science and technology for Agency staff members and other users from the IAEA Library collections.	• Annual number of library services used. • Availability and ease of access to information.
• Operational International Nuclear Library Network (INLN).	• Number of members participating in the INLN. • Number of nuclear information requests from INLN members.

Programmatic changes and trends: The Nuclear Information System Section (NIS) will continue to gather appropriate nuclear information on the peaceful use of nuclear energy and to make it available to Member States, National Delegations and the IAEA Secretariat through INIS, the IAEA Library and the INLN.

Projects

Title	Main Planned Outputs
1.3.4.001 IAEA Library information resources and services	Accessible, relevant and up to date collection of information resources; acquired print and electronic monographs and serial publications; and operational INLN.
1.3.4.002 INIS Collection and services	Accessible, relevant and up to date collection of INIS bibliographic and full text records; good cooperation with national INIS centres; and high quality thesaurus and accompanying standards.
1.3.4.003 AP support related to nuclear information	Increased number of information resources relevant to nuclear safety available in the IAEA Library and through the INIS Collection's search application.

APPENDICES

FIG. 1. Input to the INIS Repository by Country of Origin.

Vol. 48 (1-50) 2017 – Total No. of Records 103 401
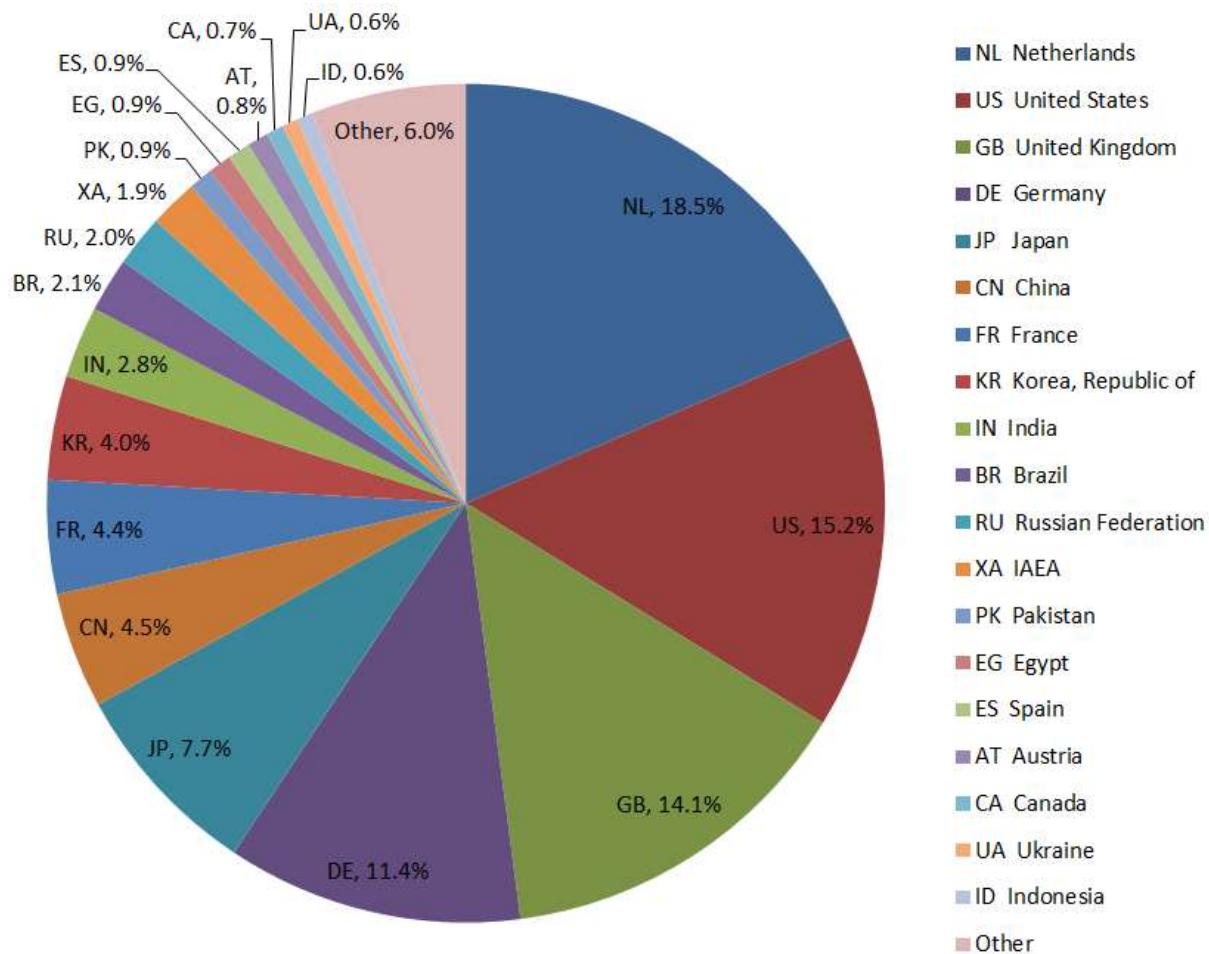
Figure 2. Input to the INIS Repository by Country of Input (Graphical representation).

Vol. 48 (1-50) 2017 – Total No. of Records 103 401
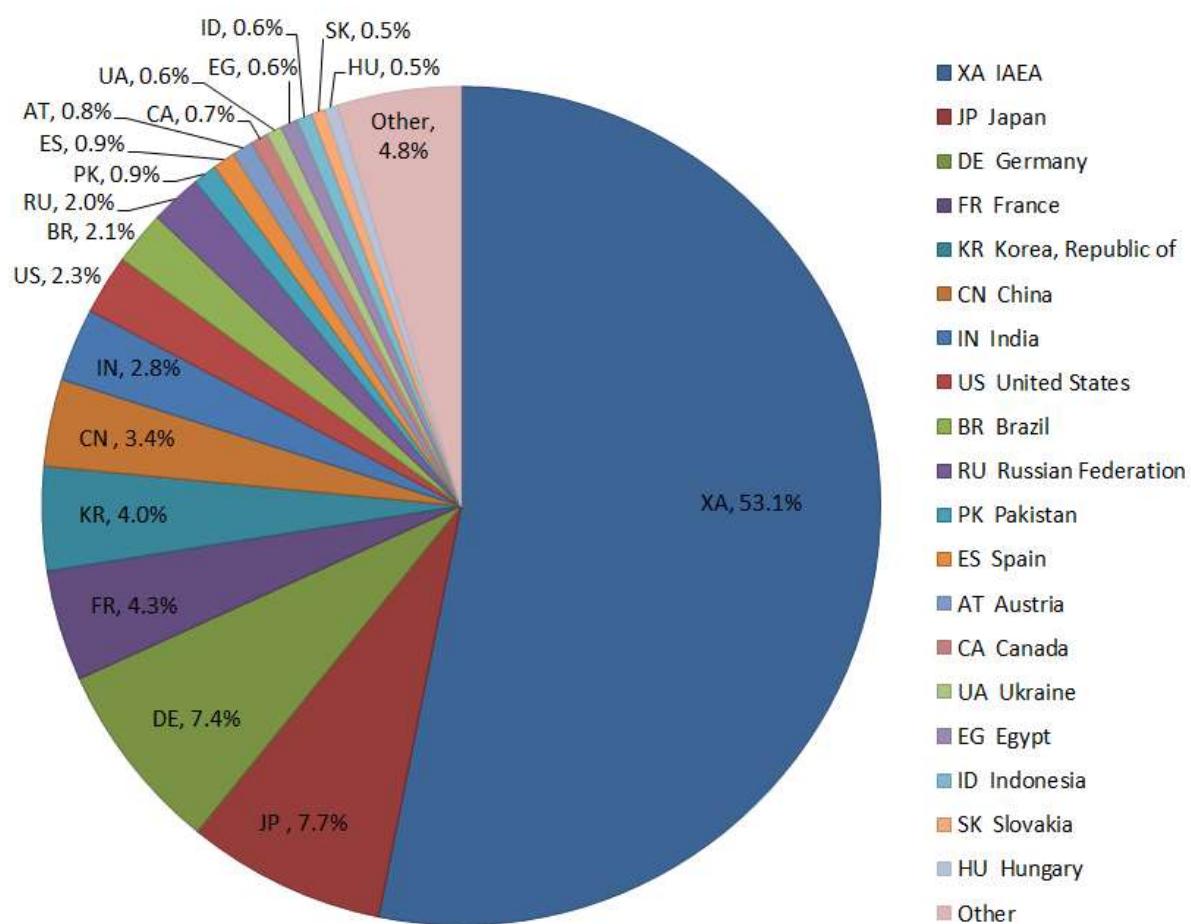
Figure 3. Input to the INIS Repository by Country of Input (including voluntary input).

Vol. 46 (2015) – Vol. 48 (2017)
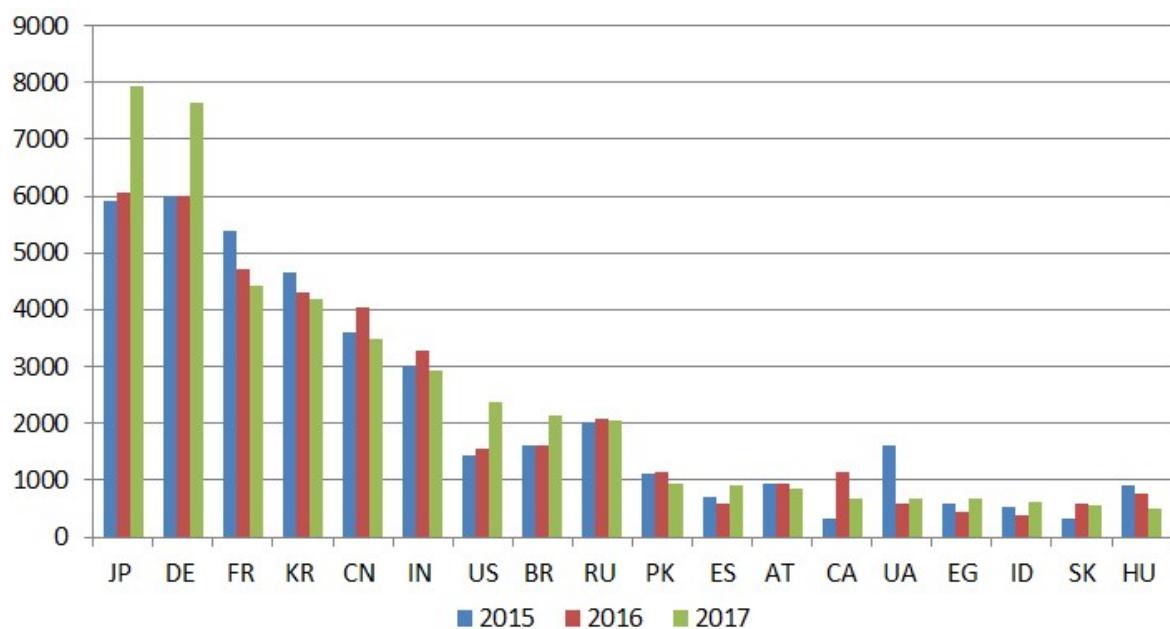
JP	Japan
DE	Germany
FR	France
KR	Korea, Republic of
CN	China
IN	India
US	United States
BR	Brazil
RU	Russian Federation
PK	Pakistan
ES	Spain
AT	Austria
CA	Canada
UA	Ukraine
EG	Egypt
ID	Indonesia
SK	Slovakia
HU	Hungary

Figure 4. Input to the INIS Repository (National vs. Voluntary input).

Vol. 36 (2005) – Vol. 48 (2017)
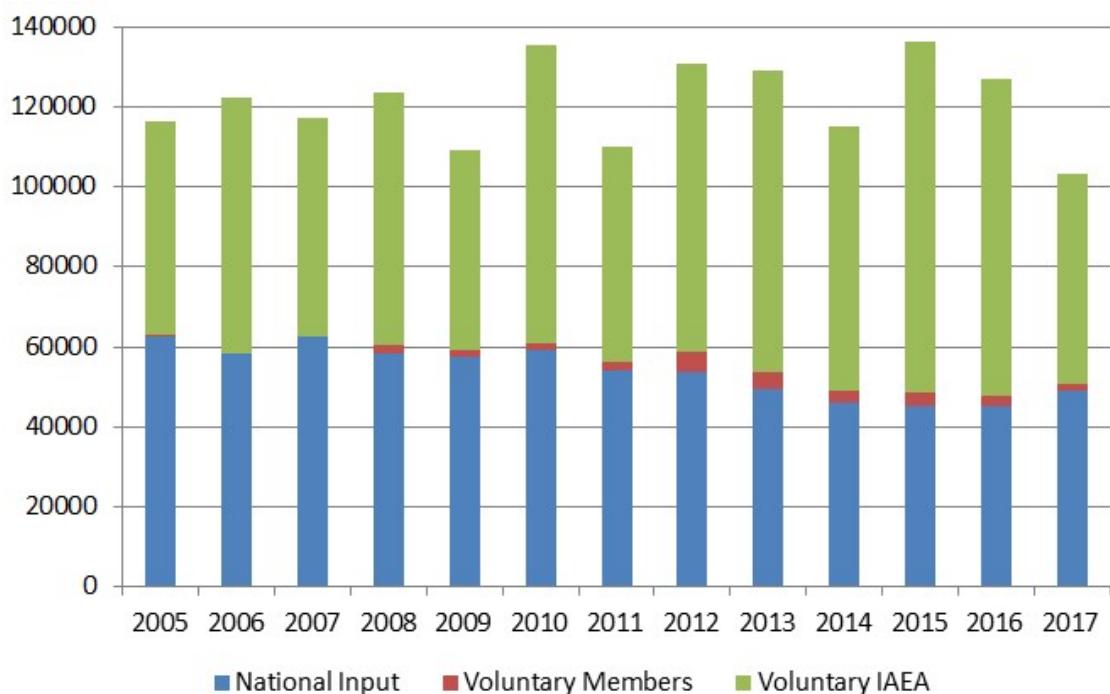
Figure 5. Input to the INIS Repository (Time lag).

Vol. 48 (1-50) 2017 – Total No. of Records 103 401

Time Lag for all Types of Literature in INIS Collection Volume: 48, Updates 1- 50
Delay = Input Date - Publication Date (Months)

Type of Literature	<1	1-2	3-4	5-6	7-8	9-10	11-12	>12	Max	Aver	Total
B	766	391	777	355	328	120	335	3210	647	25	6282
I	1111	299	473	544	746	1190	1188	8511	768	38	14062
J	2536	5700	6231	7064	8591	9403	10039	29010	778	15	78574
P								1	45	45	1
R	106	144	279	662	542	162	238	2347	842	44	4480
T		2							2	2	2
Total	4519	6536	7760	8625	10207	10875	11800	43079	842	20	103401

B: Book   **I**: Miscellaneous   **J**: Journal   **P**: Patent   **R**: Report   **T**: Computer medium

Figure 6. Input to the INIS Repository by Literature Type.

Vol. 48 (1-50) 2017 – Total No. of Records 103 401
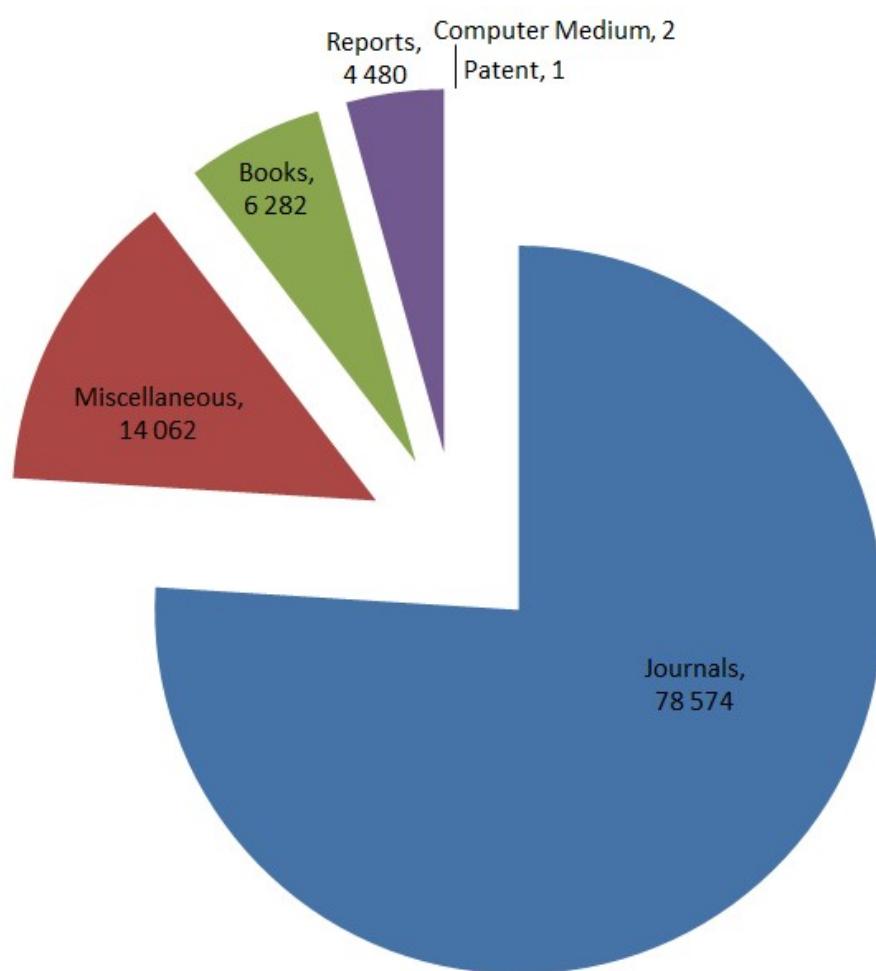
Figure 7. Input to the INIS Repository by Subject Area.

Vol. 48 (1-50) 2017 – Total No. of Records 103 401
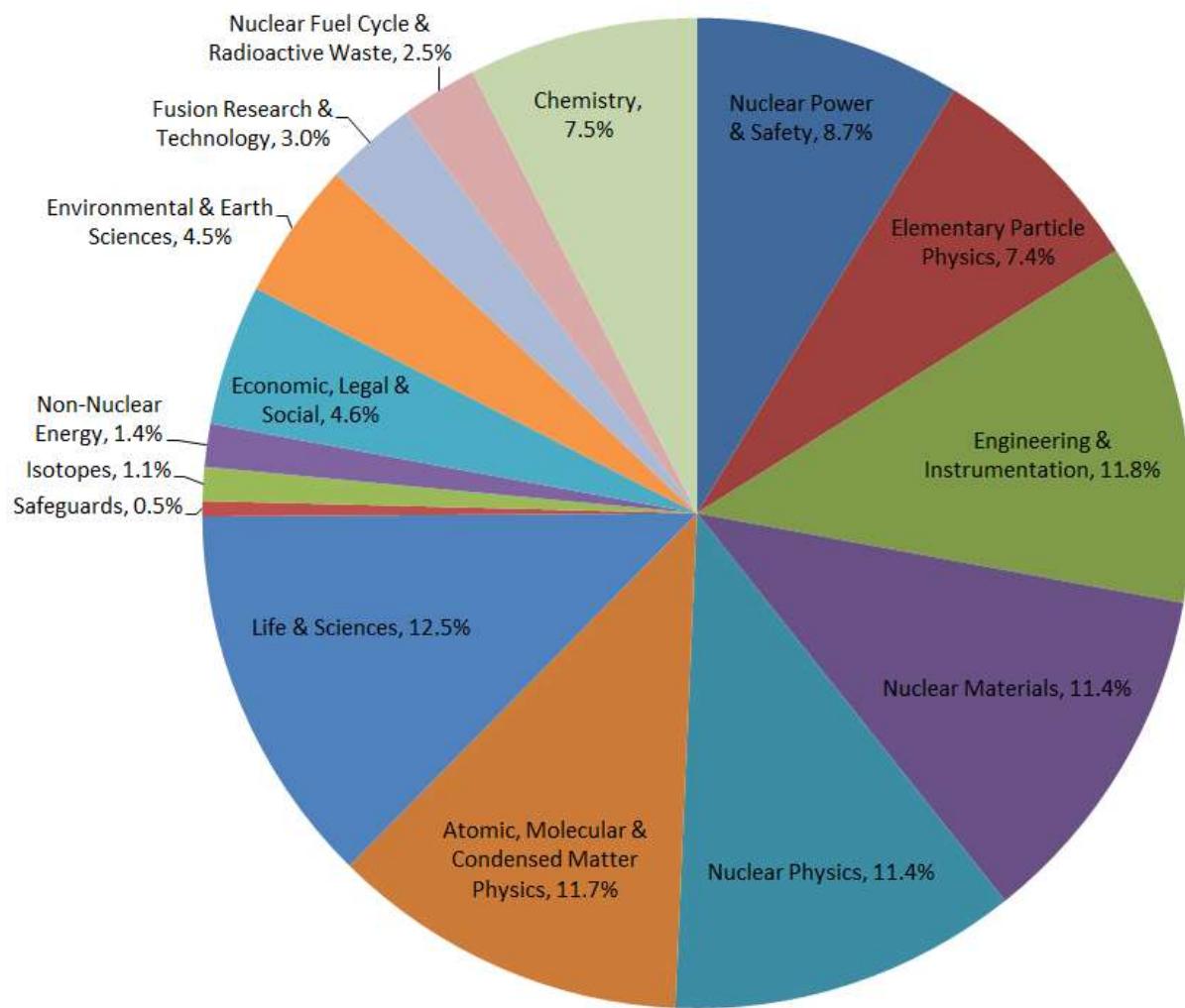
Nuclear Power & Safety (S21, S22);

Elementary Particle Physics (S72);

Engineering & Instrumentation (S33, S42-S47);

Nuclear Materials (S36);

Nuclear Physics (S71, S73, S79, S97);

Atomic, Molecular & Condensed Matter Physics (S74-S77);

Life & Sciences (S60-S63);

Safeguards (S98); Isotopes (S07);

Non-Nuclear Energy (S01-S04, S08-S10, S13-S17, S20, S24, S25, S30, S32);

Economic, Legal & Social (S29, S96, S99);

Environmental & Earth Sciences (S54, S58);

Fusion Research & Technology (S70);

Nuclear Fuel Cycle & Radioactive Waste (S11, S12);

Chemistry (S37, S38)

Figure 8. Total Number of Records and NCL.

Vol. 24 (1993) – Vol. 48 (2017)

Historical Overview

Annual breakdown of bibliographic records and NCL in the INIS Repository

- Total number of bibliographic records per year
- Total number of NCL records per year

V.24 (1993) — 24646 — 76499
— 26416 — 76879
V.26 (1995) — 26546 — 77044
— 26613 — 80485
V.28 (1997) — 25868 — 80441
— 21513 — 67681
V.30 (1999) — 26820 — 60958
— 23417 — 60799
V.32 (2001) — 26884 — 68878
— 27380 — 70644
V.34 (2003) — 25645 — 86492
— 24814 — 104949
V.36 (2005) — 29938 — 116171
— 27100 — 121319
V.38 (2007) — 28999 — 115960
— 26932 — 123103
V.40 (2009) — 30304 — 108809
— 29958 — 133060
V.42 (2011) — 25324 — 109753
— 25003 — 130967
V.44 (2013) — 18587 — 128786
— 18013 — 115146
V.46 (2015) — 16761 — 136221
— 18172 — 127205
V.48 (2017) — 18225 — 103401

NON-CONVENTIONAL LITERATURE   TOTAL NUMBER OF RECORDS

Figure 9. Input to the INIS Repository by Year of Publication.

Vol. 34 (2003) – Vol. 48 (2017)
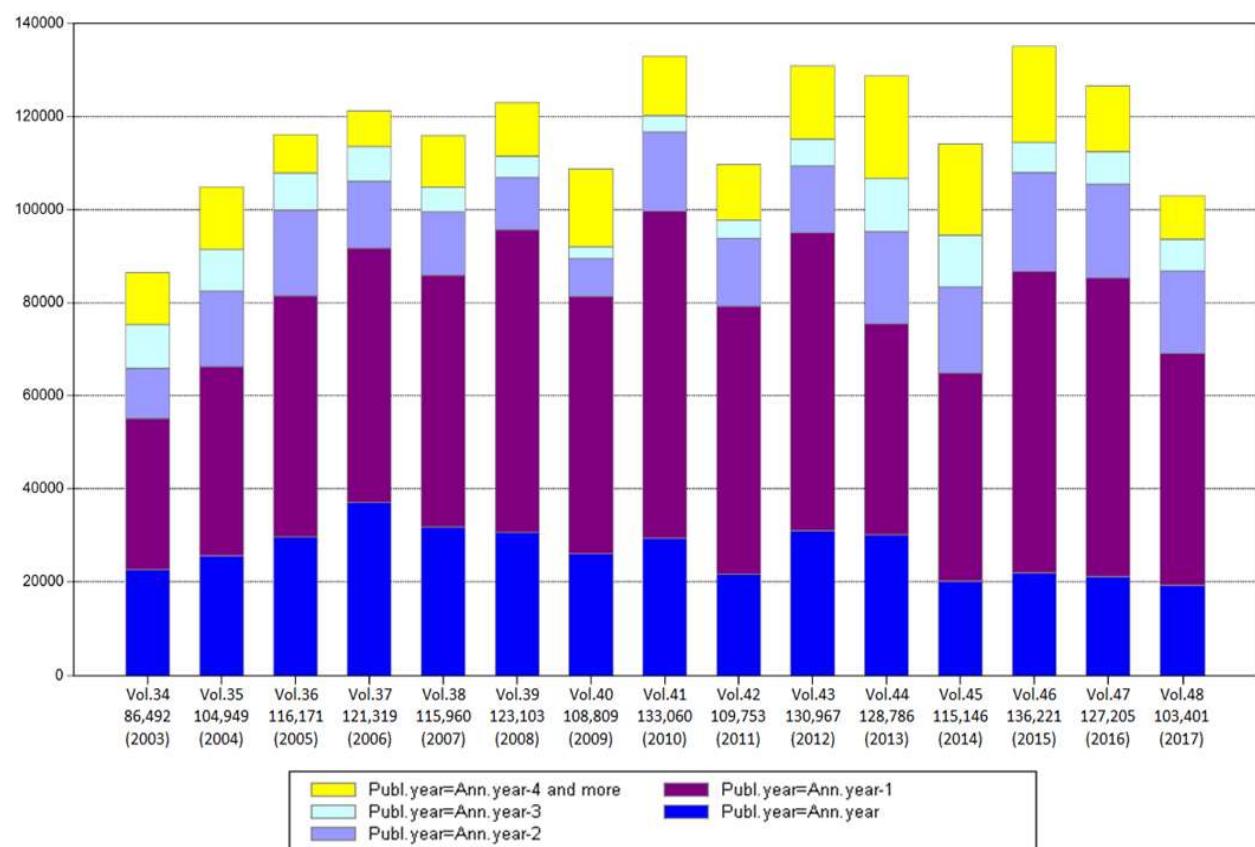
TABLE 1.   NIS MEMBERSHIP GROWTH–HISTORICAL OVERVIEW

YEAR	TOTAL (MS + INT'L ORG.)	INIS MEMBER NAME
1969	25 (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	50 (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	51 (39 + 12)	Switzerland
1972	56 (44 + 12)	Bangladesh, Chile, Peru, Spain, Turkey
1973	57 (44 + 13)	JINR
1974	60 (47 + 13)	DDR, Indonesia, Iran
1975	61 (48 + 13)	Iraq
1976	64 (51 + 13)	Algeria, Ghana, Ireland
1977	66 (53 + 13)	Cameroon, Venezuela
1978	75 (62 + 13)	Democratic Republic of Congo, Ecuador, Kuwait, Madagascar, Malaysia, Mali, Qatar, Sri Lanka, Zambia
1979	77 (64 + 13)	Colombia, D.P.R. Korea
1980	79 (66 + 13)	Cuba, Greece
1981	83 (69 + 14)	Libya, Paraguay, Syria + IIASA
1983	86 (72 + 14)	Saudi Arabia, Nigeria, Guatemala
1984	87 (73 + 14)	China
1985	88 (74 + 14)	Uruguay
1987	89 (75 + 14)	Panama
1988	93 (78 + 15)	Costa Rica, Morocco, Jordan + UNIDO
1989	94 (79 + 15)	Mongolia
1990	94 (79 + 15)	DDR ceased, Sudan joined
1991	96 (80 + 16)	Albania + AAEA
1992	98 (81 + 17)	Bolivia + ICSTI, WMO
1993	103 (86 + 17)	Nicaragua, Slovenia, Slovakia, Kenya, Ethiopia
1994	105 (88 + 17)	Croatia, Lebanon and Lithuania joined, D.P.R. Korea withdrew
1995	111 (94 + 17)	Armenia, Kazakhstan, Uzbekistan, Myanmar, Estonia, Tunisia
1996	116 (99 + 17)	The former Yugoslav Republic of Macedonia, Republic of Cyprus, Singapore, Yemen, Uganda
1997	118 (101 + 17)	Latvia, Republic of Moldova
1998	122 (103 + 19)	Senegal, United Arab Emirates + CTBTO, WONUC
2002	127 (108 + 19)	Republic of Tajikistan, El Salvador, Niger, Azerbaijan, Georgia
2003	129 (110+ 19)	United Rep. of Tanzania, Mauritius
2004	130 (111 + 19)	Botswana
2005	136 (114 + 22)	Haiti, Kyrgyz Republic, Burkina Faso + MERRCAC, WNA, WNU
2006	140 (117 + 23)	Central African Republic, Namibia and Luxembourg + ABACC

YEAR	TOTAL (MS + INT'L ORG.)	INIS MEMBER NAME
2007	141 (118 + 23)	Seychelles
2008	143 (120 + 23)	Mozambique, Zimbabwe
2009	146 (122 + 24)	Côte d'Ivoire, Sierra Leone + SESAME
2010	148 (124 +24)	The Sultanate of Oman, Benin
2011	151 (127+24)	Republic of Chad, the Islamic Republic of Mauritania, the Gabonese Republic
2012	152 (128+24)	Bosnia and Herzegovina
2014	153 (129+24)	Afghanistan
2015	154 (130+24)	Burundi
2016	154 (130+24)	
2017	155 (131+24)	Kingdom of Lesotho

TABLE 2.   INIS REPOSITORY SEARCH STATISTICS 2017

(http://inis.iaea.org/search)

UNIQUE VISITORS	VISITS	UNIQUE SEARCHES	PAGE VIEWS
1113984	1476429	1853424	3130082

NO.	COUNTRY/TERRITORY	UNIQUE VISITORS	VISITS	TOTAL UNIQUE SEARCHES	PAGE VIEWS
1	United States	212029	267568	316966	717248
2	India	147939	188253	221866	314514
3	United Kingdom	61915	80586	93945	145322
4	Germany	39932	53170	65327	100234
5	Japan	38568	58585	77218	135086
6	Canada	37058	49324	60591	101041
7	South Korea	32647	49102	61250	102394
8	France	27377	41274	74574	120240
9	Iran	27265	41017	66207	102178
10	Brazil	25244	33885	47832	84550
11	Australia	24127	29918	34683	50718
12	Pakistan	20045	26186	31802	45144
13	Russia	18683	29522	41495	70775
14	Philippines	18609	21380	23533	30455
15	Italy	18299	23483	28225	46012
16	Malaysia	17268	21619	30762	39835
17	Turkey	15005	19146	22647	36192
18	Spain	13977	18783	23711	40116
19	Indonesia	13619	16969	20795	30328
20	Netherlands	12694	16130	18789	28505
21	Taiwan	11873	15519	17566	27022
22	Egypt	11527	15923	21117	33510
23	Nigeria	11374	13681	15592	20653
24	South Africa	11170	13891	16124	23383
25	Mexico	10957	14479	17994	28021
26	China	9838	14978	20263	36754
27	Poland	9649	12715	14795	22641
28	Thailand	8482	10284	11548	16204
29	Austria	8340	18018	36216	65100
30	Switzerland	8304	11120	13879	21891
31	Sweden	7232	9510	11315	17926
32	Belgium	7034	9953	11575	18272
33	Singapore	6674	7965	9199	12789
34	Saudi Arabia	6269	7548	8913	12680
35	Ukraine	5722	9202	12239	32142
36	Hong Kong	5214	6641	7394	10239
37	Argentina	5211	8160	12455	21900
38	Israel	5197	7117	8860	15377
39	Colombia	5046	6777	7693	12169

40	Czechia	5031	7069	8954	14594
41	Vietnam	4963	6257	7140	10440
42	Romania	4842	6872	9090	15752
43	Finland	4700	6405	8189	13876
44	Greece	4464	5610	6620	10050
45	Portugal	4210	5217	6047	9072
46	Bangladesh	4198	4928	5687	7448
47	Algeria	4130	5793	7687	12742
48	United Arab Emirates	3941	4671	5637	11424
49	(not set)	3731	4697	5589	8573
50	New Zealand	3696	4360	4839	6898
51	Norway	3421	4730	5383	8192
52	Chile	3353	4145	4863	7844
53	Denmark	3344	3985	4496	6470
54	Ireland	3279	3911	4334	6068
55	Kenya	3196	3586	4080	5321
56	Iraq	3194	4662	6319	12928
57	Hungary	2742	4074	4750	7297
58	Peru	2653	3507	5102	8694
59	Morocco	2443	3492	4230	6366
60	Serbia	2434	3356	3929	5900
61	Ethiopia	2428	2798	3389	4892
62	Bulgaria	2425	3631	4833	8842
63	Ghana	2251	3129	4068	6553
64	Sri Lanka	2136	2446	2629	3279
65	Slovakia	2136	3259	4337	7191
66	Tunisia	2065	2809	3229	4582
67	Lithuania	1598	2021	2393	3471
68	Croatia	1548	1846	2139	3140
69	Jordan	1548	1950	2222	3294
70	Slovenia	1521	1991	2269	3527
71	Kazakhstan	1448	1885	2100	3010
72	Sudan	1421	2062	2925	5040
73	Ecuador	1232	1536	1855	3167
74	Tanzania	1223	1415	1598	2118
75	Nepal	1202	1371	1507	1900
76	Lebanon	1196	1566	1900	3108
77	Belarus	1155	2328	4555	8665
78	Myanmar (Burma)	1126	1353	1616	2236
79	Zimbabwe	1072	1232	1380	1728
80	Kuwait	975	1108	1205	1518
81	Qatar	951	1164	1388	2062
82	Costa Rica	910	1120	1604	2541
83	Oman	907	1028	1140	1459
84	Venezuela	836	984	1179	1932
85	Estonia	804	1022	1084	1581
86	Uganda	768	842	945	1167
87	Libya	750	1007	1279	2381
88	Latvia	712	919	1031	1365
89	Syria	700	987	1294	2222

90	Zambia	691	777	948	1716
91	Azerbaijan	688	993	1386	2346
92	Jamaica	650	789	895	1108
93	Cyprus	647	780	939	1409
94	Macedonia (FYROM)	629	860	928	1456
95	Trinidad & Tobago	612	685	750	1114
96	Georgia	567	759	954	1459
97	Cameroon	538	653	747	1031
98	Palestine	532	682	898	1326
99	Uruguay	520	638	901	2151
100	Armenia	479	582	653	1022
101	Botswana	464	511	632	827
102	Puerto Rico	452	526	617	928
103	Mongolia	443	549	659	925
104	Bosnia & Herzegovina	431	594	753	1075
105	Namibia	428	547	626	830
106	Luxembourg	411	606	762	1211
107	Mauritius	402	1155	1223	1492
108	Cuba	399	880	1456	2854
109	Uzbekistan	384	721	1282	2225
110	Albania	352	390	473	682
111	Moldova	346	452	547	756
112	Cambodia	340	352	393	461
113	Malta	340	390	422	579
114	Bahrain	328	346	393	514
115	Brunei	316	369	399	529
116	Bolivia	304	369	431	703
117	Yemen	298	337	396	603
118	Iceland	278	360	393	538
119	Guatemala	251	304	337	482
120	Panama	230	239	263	437
121	Côte d'Ivoire	219	239	245	301
122	Fiji	213	266	304	408
123	Rwanda	213	251	284	369
124	Senegal	213	248	313	614
125	Dominican Republic	201	239	281	405
126	Kosovo	198	222	242	313
127	Honduras	171	201	233	422
128	Malawi	171	180	213	346
129	Papua New Guinea	168	210	269	325
130	Afghanistan	162	189	219	298
131	Madagascar	160	171	254	414
132	Somalia	160	162	189	251
133	Paraguay	157	171	183	248
134	Macau	145	171	201	292
135	Bhutan	136	148	160	192
136	Mozambique	124	139	195	355
137	Montenegro	121	127	139	171
138	Laos	118	124	139	177
139	Nicaragua	115	151	192	319

140	El Salvador	115	139	168	222
141	Benin	109	121	121	195
142	Guyana	103	118	133	171
143	Kyrgyzstan	103	106	124	162
144	Lesotho	89	100	124	183
145	Barbados	86	100	95	109
146	Liberia	86	92	95	109
147	Congo - Kinshasa	83	100	139	331
148	Sierra Leone	83	89	97	130
149	Swaziland	83	86	100	139
150	Maldives	74	83	92	115
151	Angola	71	77	95	151
152	Burkina Faso	65	80	106	168
153	Bahamas	65	71	83	97
154	South Sudan	65	71	77	92
155	Suriname	59	62	62	65
156	Mali	53	71	100	183
157	Belize	50	53	53	59
158	Réunion	50	59	62	71
159	Niger	44	65	92	165
160	Togo	44	44	50	83
161	Haiti	41	41	41	41
162	Burundi	38	145	257	576
163	Tajikistan	38	47	50	89
164	St. Vincent & Grenadines	38	38	38	38
165	Guadeloupe	35	56	56	86
166	Guinea	32	32	32	38
167	Solomon Islands	32	41	56	74
168	Gabon	30	30	32	38
169	Guam	30	38	62	109
170	North Korea	30	35	44	80
171	Djibouti	24	24	27	59
172	Gambia	24	24	24	24
173	Jersey	24	24	24	24
174	Cayman Islands	24	24	32	41
175	French Polynesia	24	27	35	44
176	U.S. Virgin Islands	24	24	24	27
177	Aruba	21	21	27	38
178	Curaçao	21	21	21	21
179	Grenada	21	21	21	27
180	Liechtenstein	21	21	18	32
181	Martinique	21	62	62	118
182	New Caledonia	21	24	35	71
183	Turkmenistan	21	21	24	27
184	Vanuatu	21	21	21	30
185	Bermuda	18	21	21	21
186	Congo - Brazzaville	18	21	24	35
187	Cape Verde	18	24	27	44
188	Dominica	18	21	21	21
189	St. Kitts & Nevis	18	18	24	44

190	St. Lucia	18	18	18	24
191	Marshall Islands	18	27	56	106
192	Mauritania	18	18	18	24
193	American Samoa	15	15	15	15
194	Faroe Islands	15	15	15	21
195	Guernsey	15	21	24	35
196	Seychelles	15	15	18	24
197	Samoa	15	15	18	24
198	Antigua & Barbuda	12	12	12	12
199	French Guiana	12	12	18	21
200	Monaco	12	12	18	24
201	Svalbard & Jan Mayen	12	12	12	12
202	Gibraltar	9	9	9	9
203	Greenland	9	9	21	77
204	Chad	9	9	12	18
205	Timor-Leste	9	9	9	12
206	British Virgin Islands	9	9	9	12
207	Andorra	6	6	6	9
208	Åland Islands	6	6	9	9
209	Central African Republic	6	6	3	12
210	Eritrea	6	18	18	18
211	Micronesia	6	6	9	12
212	Guinea-Bissau	6	6	12	35
213	Kiribati	6	6	6	12
214	St. Martin	6	9	27	30
215	Northern Mariana Islands	6	6	12	21
216	Turks & Caicos Islands	6	6	6	6
217	Anguilla	3	3	3	3
218	Cook Islands	3	3	3	3
219	Falkland Islands (Islas Malvinas)	3	3	3	3
220	Equatorial Guinea	3	3	3	3
221	Comoros	3	3	3	3
222	Montserrat	3	3	3	3
223	Norfolk Island	3	3	3	3
224	Nauru	3	3	3	3
225	St. Pierre & Miquelon	3	3	3	3
226	San Marino	3	3	3	3
227	Sint Maarten	3	6	6	6
228	Tonga	3	3	3	3
229	Mayotte	3	3	3	3

TABLE 3.   **INIS WEBSITE STATISTICS 2017**

(http://www.iaea.org/inis)

UNIQUE VISITORS	VISITS	UNIQUE PAGE VIEWS	PAGE VIEWS
45074	64525	92617	121572

NO.	COUNTRY/TERRITORY	UNIQUE VISITORS	VISITS	UNIQUE PAGE VIEWS	PAGE VIEWS
1	India	5065	6279	11194	16068
2	United States	4694	6089	7855	9663
3	Nigeria	2370	2713	3015	3331
4	Japan	1564	2229	2861	3768
5	Austria	1504	4682	9499	13506
6	France	1494	2542	3083	3832
7	Brazil	1412	2176	2792	3541
8	United Kingdom	1328	1558	2070	2514
9	Russia	1312	1860	2531	3270
10	China	1293	2074	2665	3346
11	South Korea	1179	1662	2081	2625
12	Germany	979	1209	1722	2277
13	Benin	955	1071	1111	1186
14	Canada	884	1387	1792	2185
15	Côte d'Ivoire	814	909	1235	1444
16	Iran	797	1579	2243	3377
17	South Africa	696	755	865	986
18	Malaysia	684	965	1793	2375
19	Indonesia	672	874	1201	1526
20	Ghana	644	989	1251	1455
21	Spain	620	774	1052	1402
22	Senegal	589	726	882	1010
23	Italy	542	681	915	1128
24	Pakistan	528	694	1143	1604
25	Egypt	522	816	1112	1503
26	Mexico	488	765	1247	1720
27	Turkey	475	538	681	801
28	Australia	466	549	747	874
29	Argentina	441	724	1045	1348
30	Togo	392	452	491	516
31	Netherlands	324	373	457	536
32	Ukraine	319	493	684	930
33	Bangladesh	318	366	634	810
34	Poland	316	392	476	562
35	Czechia	269	408	508	631
36	Switzerland	268	365	499	625
37	Algeria	265	362	506	674

38	Philippines	255	357	497	618
39	(not set)	246	273	352	423
40	Sweden	238	316	441	598
41	Belgium	225	316	405	568
42	Bulgaria	219	612	905	1538
43	United Arab Emirates	209	260	316	379
44	Israel	206	264	380	552
45	Morocco	199	266	524	797
46	Taiwan	175	237	376	629
47	Burkina Faso	172	195	207	217
48	Costa Rica	166	248	327	457
49	Finland	163	223	289	360
50	Romania	162	192	276	347
51	Singapore	156	190	271	312
52	Belarus	155	300	328	416
53	Ireland	154	172	253	326
54	Saudi Arabia	144	530	623	724
55	Kenya	138	182	265	324
56	Colombia	137	154	191	229
57	Tunisia	137	164	270	357
58	Thailand	134	205	272	340
59	Sudan	130	338	522	733
60	Peru	124	211	283	353
61	Iraq	120	153	224	318
62	Hong Kong	115	122	145	176
63	Macedonia (FYROM)	115	147	257	346
64	Vietnam	113	132	217	286
65	Chile	106	141	164	198
66	Hungary	99	172	307	446
67	Slovakia	99	194	275	376
68	Greece	97	104	127	149
69	Serbia	94	119	156	195
70	Croatia	93	108	137	169
71	Ethiopia	87	93	111	123
72	Syria	86	170	432	901
73	Kazakhstan	85	149	178	195
74	Portugal	84	92	127	138
75	Cuba	83	189	263	309
76	Cambodia	72	85	94	104
77	Norway	72	93	122	136
78	Tanzania	70	105	165	236
79	Sri Lanka	67	108	212	316
80	Madagascar	67	78	104	125
81	Armenia	66	164	332	465
82	Ecuador	63	65	70	76
83	Denmark	60	63	90	128
84	Jordan	58	68	98	146
85	Qatar	57	67	85	110
86	Lebanon	52	71	121	179
87	Azerbaijan	48	54	66	84

88	New Zealand	47	57	70	83
89	Zimbabwe	45	48	70	85
90	Myanmar (Burma)	42	43	68	92
91	Venezuela	42	47	63	71
92	Moldova	41	55	62	73
93	Zambia	41	60	111	173
94	Libya	39	150	333	465
95	Niger	39	301	523	836
96	Estonia	38	40	43	53
97	Uruguay	37	48	76	110
98	Slovenia	36	44	49	53
99	Lithuania	33	34	44	53
100	Cameroon	31	37	73	95
101	Uganda	31	36	48	68
102	Gambia	30	35	41	41
103	Nepal	30	31	38	45
104	Bosnia & Herzegovina	28	40	46	54
105	Bolivia	28	28	38	48
106	Georgia	27	68	103	143
107	Botswana	26	29	32	36
108	Latvia	25	27	35	46
109	Namibia	24	25	33	39
110	Oman	24	33	66	88
111	Luxembourg	23	25	35	45
112	Guinea	22	30	31	31
113	Paraguay	21	28	59	74
114	Uzbekistan	21	76	106	117
115	Cyprus	19	39	83	126
116	Mongolia	18	26	49	56
117	Afghanistan	17	22	38	53
118	Kuwait	17	18	27	28
119	Mozambique	17	18	28	40
120	Burundi	16	147	383	540
121	Haiti	16	16	18	21
122	Mauritius	16	19	23	30
123	Albania	15	15	19	22
124	Bahrain	15	17	21	25
125	Palestine	15	15	18	23
126	Yemen	14	14	27	41
127	El Salvador	13	14	16	18
128	Guatemala	12	13	17	20
129	Kosovo	12	13	21	27
130	Congo - Kinshasa	11	11	11	13
131	Jamaica	10	10	13	14
132	Lesotho	9	11	16	22
133	Mali	9	10	13	13
134	Nicaragua	9	17	25	37
135	Panama	9	10	18	21
136	Honduras	8	8	14	16
137	Macau	8	8	10	12

138	Rwanda	8	8	9	9
139	Tajikistan	8	8	10	10
140	Cape Verde	7	9	11	12
141	Dominican Republic	7	10	16	17
142	Iceland	7	7	8	10
143	Kyrgyzstan	7	10	12	13
144	Trinidad & Tobago	7	7	9	10
145	Somalia	6	6	12	20
146	Chad	6	6	8	8
147	Liberia	5	12	14	15
148	Montenegro	5	5	5	6
149	Puerto Rico	5	7	11	13
150	Central African Republic	4	4	6	6
151	Laos	4	4	4	4
152	Sierra Leone	4	4	4	4
153	Swaziland	4	4	4	4
154	Angola	3	3	4	4
155	Brunei	3	3	5	7
156	Gabon	3	3	3	3
157	Guyana	3	3	3	3
158	Mauritania	3	3	5	10
159	Malta	3	9	17	22
160	Papua New Guinea	3	3	3	3
161	Aruba	2	2	4	8
162	Barbados	2	2	2	2
163	Bhutan	2	3	3	3
164	Congo - Brazzaville	2	2	4	4
165	Fiji	2	2	2	2
166	Jersey	2	2	5	7
167	North Korea	2	2	2	2
168	Martinique	2	2	3	3
169	Maldives	2	2	2	3
170	Curaçao	1	1	2	3
171	French Guiana	1	1	1	1
172	Guernsey	1	1	1	1
173	Gibraltar	1	1	1	1
174	St. Lucia	1	1	1	1
175	Malawi	1	1	1	1
176	Seychelles	1	1	1	1
177	Suriname	1	1	2	2
178	South Sudan	1	1	1	1
179	U.S. Virgin Islands	1	1	1	1
180	Mayotte	1	1	1	1

TABLE 4.   INIS MEMBERS' WEBSITE STATISTICS 2017

(http://www.iaea.org/INIS/Members-area)

UNIQUE VISITORS	VISITS	UNIQUE PAGE VIEWS	PAGE VIEWS
895	1478	1494	1940

NO	COUNTRY/TERRITORY	UNIQUE VISITORS	VISITS	UNIQUE PAGE VIEWS	PAGE VIEWS
1	India	109	133	135	181
2	Austria	104	293	294	367
3	United States	41	42	42	52
4	South Korea	29	40	40	47
5	Malaysia	29	32	33	39
6	Nigeria	25	26	26	26
7	Côte d'Ivoire	24	29	29	29
8	China	23	26	26	29
9	Iran	22	48	48	79
10	Argentina	19	32	32	44
11	Ghana	19	22	22	24
12	Brazil	18	28	30	41
13	France	16	24	24	36
14	Pakistan	16	21	21	21
15	United Kingdom	15	15	15	17
16	Japan	15	19	19	21
17	Morocco	15	15	15	24
18	Germany	14	20	20	31
19	Syria	14	21	21	42
20	Indonesia	12	13	13	15
21	Mexico	12	15	15	20
22	Niger	12	118	120	156
23	Russia	12	15	15	16
24	Bulgaria	11	24	24	31
25	Macedonia (FYROM)	11	17	17	20
26	Ukraine	11	12	13	15
27	Bangladesh	10	22	24	36
28	Spain	9	12	12	16
29	Senegal	9	11	11	12
30	Togo	9	9	9	10
31	Canada	8	16	16	21
32	Egypt	8	11	11	16
33	Italy	8	10	10	13
34	Sri Lanka	8	9	9	18
35	Sudan	8	13	13	19
36	Australia	7	7	7	7
37	Costa Rica	7	8	8	11
38	Saudi Arabia	7	8	8	11
39	Belgium	5	7	7	19
40	Burundi	5	22	22	31

41	Benin	5	5	5	6
42	Switzerland	5	8	10	13
43	Cuba	5	15	15	17
44	Algeria	5	6	6	7
45	Libya	5	15	15	16
46	Tanzania	5	8	8	10
47	Vietnam	5	5	5	7
48	(not set)	5	5	5	6
49	Hungary	4	23	23	27
50	Thailand	4	5	5	6
51	Tunisia	4	6	6	7
52	South Africa	4	5	5	6
53	Cyprus	3	6	6	8
54	Czechia	3	3	3	3
55	Georgia	3	5	5	6
56	Israel	3	3	3	12
57	Kenya	3	6	6	7
58	Netherlands	3	3	3	4
59	Peru	3	3	3	3
60	Philippines	3	6	6	8
61	Paraguay	3	3	3	3
62	Taiwan	3	3	3	3
63	Uruguay	3	4	5	6
64	Armenia	2	5	5	7
65	Burkina Faso	2	2	2	2
66	Bolivia	2	2	2	2
67	Belarus	2	2	2	2
68	Ireland	2	2	2	2
69	Lesotho	2	3	4	6
70	Madagascar	2	2	2	3
71	Mongolia	2	2	2	2
72	Norway	2	2	2	2
73	Oman	2	2	2	3
74	Poland	2	2	2	2
75	Sweden	2	2	2	2
76	Singapore	2	4	4	5
77	Uzbekistan	2	4	4	4
78	Zambia	2	5	5	10
79	United Arab Emirates	1	1	1	2
80	Afghanistan	1	1	1	1
81	Chile	1	1	1	1
82	Denmark	1	1	1	2
83	Finland	1	2	2	3
84	Gambia	1	1	1	1
85	Greece	1	1	1	1
86	Hong Kong	1	1	1	1
87	Jordan	1	1	1	2
88	Lebanon	1	1	1	2
89	Montenegro	1	1	2	2
90	Myanmar (Burma)	1	1	1	2

91	Palestine	1	1	1	2
92	Portugal	1	1	1	1
93	Romania	1	1	1	1
94	Serbia	1	1	1	1
95	Slovakia	1	1	1	3
96	Turkey	1	1	1	1
97	Venezuela	1	1	1	1
98	Zimbabwe	1	1	1	2

TABLE 5.   INPUT TO THE INIS REPOSITORY ARRANGED BY COUNTRY OF INPUT

Vol. 48 (1-50) 2017 - Total No. of Records 103 401

COUNTRY CODE	COUNTRY NAME	TOTAL	TOTAL VOLUNTARY	TOTAL NATIONAL
AE	United Arab Emirates	0	0	0
AF	Afghanistan	0	0	0
AL	Albania	0	0	0
AM	Armenia	102	0	102
AR	Argentina	146	0	146
AT	Austria	840	0	840
AU	Australia	362	0	362
AZ	Azerbaijan	23	0	23
BA	Bosnia and Herzegovina	0	0	0
BD	Bangladesh	0	0	0
BE	Belgium	18	0	18
BF	Burkina Faso	0	0	0
BG	Bulgaria	464	0	464
BI	Burundi	3	2	1
BJ	Benin	0	0	0
BO	Bolivia, Plurinational State of	0	0	0
BR	Brazil	2141	0	2141
BW	Botswana	0	0	0
BY	Belarus	300	0	300
CA	Canada	689	0	689
CD	Congo, The Democratic Republic of the	0	0	0
CF	Central African Republic	0	0	0
CH	Switzerland	68	0	68
CI	Cote d'Ivoire	3	0	3
CL	Chile	51	0	51
CM	Cameroon	0	0	0
CN	China	3474	0	3474
CO	Colombia	59	0	59
CR	Costa Rica	82	0	82
CU	Cuba	113	21	92
CY	Cyprus	0	0	0
CZ	Czech Republic	58	0	58
DE	Germany	7642	77	7565
DK	Denmark	0	0	0
DZ	Algeria	0	0	0
EC	Ecuador	0	0	0
EE	Estonia	0	0	0

COUNTRY CODE	COUNTRY NAME	TOTAL	TOTAL VOLUNTARY	TOTAL NATIONAL
EG	Egypt	670	0	670
ES	Spain	906	0	906
ET	Ethiopia	0	0	0
FI	Finland	0	0	0
FR	France	4 417	845	3 572
GA	Gabon	0	0	0
GB	United Kingdom	0	0	0
GE	Georgia	100	0	100
GH	Ghana	121	0	121
GR	Greece	0	0	0
GT	Guatemala	0	0	0
HR	Croatia	86	0	86
HT	Haiti	0	0	0
HU	Hungary	508	0	508
ID	Indonesia	621	0	621
IE	Ireland	0	0	0
IL	Israel	2	0	2
IN	India	2917	55	2862
IQ	Iraq	25	0	25
IR	Iran, Islamic Republic of	77	0	77
IT	Italy	303	0	303
JO	Jordan	0	0	0
JP	Japan	7925	18	7907
KE	Kenya	53	0	53
KG	Kyrgyzstan	0	0	0
KR	Korea, Republic of	4191	56	4135
KW	Kuwait	0	0	0
KZ	Kazakhstan	0	0	0
LB	Lebanon	14	6	8
LK	Sri Lanka	0	0	0
LS	Lesotho	0	0	0
LT	Lithuania	0	0	0
LU	Luxembourg	0	0	0
LV	Latvia	0	0	0
LY	Libya	26	0	26
MA	Morocco	0	0	0
MD	Moldova, Republic of	0	0	0
MG	Madagascar	13	5	8
MK	Macedonia, The former Yugoslav Republic of	18	0	18
ML	Mali	0	0	0

COUNTRY CODE	COUNTRY NAME	TOTAL	TOTAL VOLUNTARY	TOTAL NATIONAL
MM	Myanmar	0	0	0
MN	Mongolia	0	0	0
MR	Mauritania, Islamic Republic of	0	0	0
MU	Mauritius	0	0	0
MX	Mexico	138	0	138
MY	Malaysia	478	0	478
MZ	Mozambique	0	0	0
NA	Namibia	0	0	0
NE	Niger	0	0	0
NG	Nigeria	0	0	0
NI	Nicaragua	0	0	0
NL	Netherlands	0	0	0
NO	Norway	0	0	0
NZ	New Zealand	20	0	20
OM	Oman	0	0	0
PA	Panama	0	0	0
PE	Peru	20	0	20
PH	Philippines	51	0	51
PK	Pakistan	948	0	948
PL	Poland	0	0	0
PT	Portugal	0	0	0
PY	Paraguay	0	0	0
QA	Qatar	0	0	0
QM	WNA	0	0	0
QN	WNU	0	0	0
QP	ABACC	0	0	0
QQ	MERRCAC	0	0	0
QR	SESAME	0	0	0
RO	Romania	151	0	151
RS	Serbia	0	0	0
RU	Russian Federation	2046	0	2046
SA	Saudi Arabia	0	0	0
SC	Seychelles	0	0	0
SD	Sudan	29	0	29
SE	Sweden	0	0	0
SG	Singapore	0	0	0
SI	Slovenia	0	0	0
SK	Slovakia	555	0	555
SL	Sierra Leone	0	0	0
SN	Senegal	46	13	33

COUNTRY CODE	COUNTRY NAME	TOTAL	TOTAL VOLUNTARY	TOTAL NATIONAL
SV	El Salvador	0	0	0
SY	Syrian Arab Republic	54	0	54
TD	Chad	0	0	0
TH	Thailand	0	0	0
TJ	Tajikistan	338	0	338
TN	Tunisia	0	0	0
TR	Turkey	0	0	0
TZ	Tanzania, United Republic of	7	0	7
UA	Ukraine	674	0	674
UG	Uganda	0	0	0
US	United States	2381	547	1834
UY	Uruguay	0	0	0
UZ	Uzbekistan	108	0	108
VE	Venezuela, Bolivarian Republic of	0	0	0
VN	Viet Nam	166	0	166
XA	IAEA	54 916	52 975	1941
XB	UNSCEAR	0	0	0
XC	CERN	0	0	0
XE	EC	1	0	1
XF	FAO	0	0	0
XH	AAEA	14	0	14
XI	IIASA	0	0	0
XJ	JINR	226	1	225
XK	WMO	0	0	0
XM	ICSTI	0	0	0
XN	NEA	403	0	403
XO	OAU	0	0	0
XQ	CTBTO	0	0	0
XR	ICRP	0	0	0
XS	ISO	0	0	0
XT	UNIDO	0	0	0
XU	UN	0	0	0
XV	WONUC	0	0	0
XW	WHO	0	0	0
XX	WEC	0	0	0
YE	Yemen	0	0	0
ZA	South Africa	0	0	0
ZM	Zambia	0	0	0
ZW	Zimbabwe	0	0	0
	TOTAL:	103 401	54 621	48 780

TABLE 6.   **NCL 2017 INPUT PER COUNTRY / INTERNATIONAL ORGANIZATION**

COUNTRY / INTERNATIONAL ORGANIZATION	BIB. RECORDS WITH NCL IN INIS REPOSITORY	PDF FILES
France	2120	2120
Brazil	1712	1712
International Atomic Energy Agency (IAEA)	1188	980
Japan	822	822
Russian Federation	630	630
Nuclear Energy Agency of the OECD (NEA)	385	248
Germany	384	340
Slovakia	345	294
Belarus	214	214
China	197	197
United States	193	192
Romania	150	129
Belgium	140	4
Argentina	132	67
Austria	126	126
Egypt	120	20
Malaysia	117	117
Indonesia	102	102
Tajikistan	86	86
Mexico	73	73
Joint Institute for Nuclear Research (JINR)	69	69
Switzerland	65	65
Viet Nam	64	33
Kenya	53	52
Spain	40	40
Armenia	21	21
Sudan	10	10
Syrian Arab Republic	9	9
India	6	6
Macedonia, The Former Yugoslav Republic of	4	4
Israel	2	2
Burundi	1	1
Canada	1	1
European Commission (EC)	1	1
TOTAL:	**9 582**	**8 787**

TABLE 7.   **DIGITIZATION OF THE INIS NCL COLLECTION ON MICROFICHE**

YEAR	PDF	PAGES	SIZE (GB)
2003	531	45 499	3.5
2004	19 823	1 300 569	35.9
2005	36 731	1 523 187	30.9
2006	23 190	1 389 058	33.8
2007	9 374	676 392	16.4
2008	25 748	1 223 576	29.6
2009	81 356	3 940 533	77.9
2010	33 910	1 970 926	45.9
2011	24 011	510 299	16.2
2012	24 727	1 112 288	49.4
2013	5 666	344 506	18.5
2014	1 334	74 080	2.2
2015	14 227	847 294	48.2
2016	2 339	311 469	15.7
2017	11 486	573 122	39.4
TOTAL:	**314 453**	**15 842 798**	**463.4**