



News from the INIS and Nuclear Knowledge Management Section
No. 2, September 2006

<http://www.iaea.org/inisnkm>

e-mail: inisnkm@iaea.org

Contents

• Kazakhstan: Expert Mission on Nuclear Knowledge Management	2
• Nuclear Knowledge Management in Hungary	2
• INIS Training Course in the Syrian Arab Republic	2
• Message from the Section Head	3
• INIS – Moving Forward	3
• New Website Launched	3
• Structure of the INIS and NKM Section	4
• News from INIS	4
- NUCLEUS	
- Increase in INIS Input	
- More Languages for INIS Thesaurus	
- Digitization of INIS Full-Text	
- Resources	
- INIS Database: New Online Version	
• News from Nuclear Knowledge Management	6
- International Conference on Knowledge Management	
- Guidance Documents for Managing Nuclear Knowledge	
- CRP on Knowledge Preservation	
• Training the Next Generation of Nuclear Experts	8
• Recent Publications	10
• Forthcoming Meetings	11
• Nuclear Knowledge Portal	12

For further information, please contact:

International Atomic Energy Agency
P.O. Box 100, Wagramer Strasse 5
A-1400 Vienna, Austria
Telephone (+431) 2600-0
Fax (+431) 2600-7
E-mail: Official.Mail@iaea.org

Responsible for the contents of this publication:

Mr. Peter J. Gowin
INIS & NKM Section
Department of Nuclear Energy

Assisting Member States in Nuclear Information and Knowledge Management

New INIS Member States

Two African Member States recently joined the International Nuclear Information System (INIS) following an AFRA meeting (see article below). We are pleased to welcome

- **The Central African Republic**
- **Namibia**

as the 115th and 116th INIS Member State, respectively, bringing the total number of INIS Members to 138.

Nuclear Information for African Member States

The INIS and Nuclear Knowledge Management Section was represented at the Seventeenth Technical Working Group Meeting of the African Regional Cooperative Agreement for Research, Development and Training Related to Nuclear Science and Technology (AFRA), held in Bamako, Mali, on 24-28 April 2006. This provided an opportunity to present the International Nuclear Information System (INIS), and invite AFRA Member States to take maximum advantage of the services that INIS can offer to them. The presentation triggered an extensive discussion about various aspects of nuclear information, and how AFRA Member States can face effectively the many challenges posed by a lack



17th Technical Working Group Meeting of AFRA, Bamako, Mali

of reliable data on nuclear science and technology. One of the recommendations of the meeting was to organise a regional workshop on INIS.

Presenting the advantages of INIS products and services to the AFRA community has successfully enhanced participation of African Member States in INIS activities:

- **South Africa's** national INIS Centre reactivated its participation by sending input to the INIS Database, arranging free access to the database for national universities as well as additional paid subscriptions.
- **Botswana** requested IAEA assistance to establish a national INIS Centre.
- **Ethiopia** nominated a new INIS Liaison Officer and reactivated its participation in the system.
- **Ghana** requested access to the INIS Database for the "School of Nuclear and Allied Sciences" and the Ghana Atomic Energy Agency.
- **Sudan** requested equipment for its national INIS Centre and training of staff.



From left: Joachim Rouauld, Central African Republic, and Sylvie Seck Gassama, Senegal, in discussion with Taghrid Atieh, INIS & Nuclear Knowledge Management Section

Kazakhstan: Expert Mission on Nuclear Knowledge Management

The IAEA assisted national authorities in Kazakhstan to develop a new project on nuclear knowledge management. In April 2006, a team of experts met in Almaty with representatives of the Kazakhstan Atomic Energy Committee and the national nuclear industry to provide advice and assistance in the area of Nuclear Knowledge Management (NKM).

The nuclear industry's current approaches to knowledge management, expected maturity within the industry and potential future strategies were discussed in a workshop-style atmosphere. The expert team shared "best practice" examples in nuclear knowledge management, and assisted

the national authorities in developing a concept and an action plan for a new IAEA Technical Co-operation Project on Nuclear Knowledge Management and Preservation in Kazakhstan.

Nuclear Knowledge Management in Hungary

At the request of the management of the Paks Nuclear Power Plant (NPP) in Hungary, the IAEA assembled a team of experts for an on-site mission to address knowledge management issues and provide practical assistance in nuclear knowledge management.



Paks Nuclear Power Plant, Hungary

Visiting the Paks NPP in April 2006, the team of experts shared international experiences on knowledge management with nuclear specialists of the Paks NPP, including lessons learned from previous missions undertaken in 2005 (in cooperation with WANO, the World Association of Nuclear Operators) to the Krško Nuclear Power Plant in Slovenia and to Kozloduy in Bulgaria. The experts also identified and analysed issues critical for establishing and improving knowledge management at the Paks NPP. Discussions focussed on how best to retain critical explicit and tacit knowledge held by individual experts in the power plant. Finally, the expert team presented proposals for implementing knowledge management at the Paks Nuclear Power Plant.

Forthcoming INIS Training Course in the Syrian Arab Republic

The Syrian Atomic Energy Commission will host a five-day INIS Regional Training Course in Damascus, Syrian Arab Republic, at the end of November 2006. Information specialists and professionals from several national INIS Centres, as well as academic institutions, universities and research centres with nuclear curricula or activities from Member States in the region, will participate in this course. They will learn about how to make contributions to the INIS Database and use INIS products and services. Participants will also be trained in how to best promote INIS. The course, to be conducted in Arabic, will include "hands-on" training for input to the INIS Database and highlight the important role of the national INIS Centres.



Message from the Section Head

This is the second newsletter to be produced by the INIS & Nuclear Knowledge Management Section this year. This issue is especially directed

towards the Member States - particularly those countries participating in the IAEA General Conference in September and the 33rd Consultative Meeting of INIS Liaison Officers in October 2006.

This newsletter highlights several activities in nuclear information and knowledge management undertaken by the Section in Member States. It also reports about a recent consultancy meeting which discussed strategic directions for INIS to meet the needs of Member States over the coming years. Preparations are progressing for the International Conference on Knowledge Management in Nuclear Facilities, to be held at the IAEA in June 2007 (see p.6). This major meeting will bring together decision-makers and professionals from the nuclear industry, regulatory bodies and academia in Member States. Our experts are also involved in several cooperative activities to educate and train the next generation of nuclear experts. In this issue you will find reports about the 2006 Summer Institute of the World Nuclear University, the School of Nuclear Knowledge Management at ICTP, Trieste, and news from ANENT, the Asian Network for Education in Nuclear Technology.

I trust that this issue has included material of interest to you in the related fields of nuclear information and knowledge management. If you wish to learn more about our activities, I invite you to visit our Section's new website at www.iaea.org/inisnkm.

To those attending the General Conference, I extend an invitation to visit the INIS & Nuclear Knowledge Management Section's exhibition. Staff from the Section will be glad to discuss with you any matter related to the Section's activities.

Finally, I would like to thank those who provided such encouraging feedback on the first issue of this newsletter.

Robert Workman

INIS & Nuclear Knowledge Management Section

International Atomic Energy Agency

P.O. Box 100, Wagramer Strasse 5

A-1400 Vienna, Austria

Telephone (+431) 2600-22882

Fax (+431) 2600-29882

E-mail: r.workman@iaea.org

INIS - Moving Forward:

Strategies for the International Nuclear Information System

To review INIS operations before the forthcoming Meeting of INIS Liaison Officers, scheduled for late October 2006, a five-day INIS Strategic Consultancy Meeting was held in April 2006 at the IAEA headquarters in Vienna. The consultancy gathered INIS Liaison Officers from Brazil, France, Germany, Japan, the Russian Federation and the USA to discuss strategies that will meet the needs of Member States during the period 2007-2011. Their recommendations will be used as the basis for the 33rd Consultative Meeting of INIS Liaison Officers, and as input to future INIS action plans.

Most importantly, the consultancy recommended the following Vision and Mission for INIS:

Vision

Recognizing that knowledge powers the future,

- To be the world's most authoritative and comprehensive source of reliable information and knowledge on the peaceful uses of nuclear science and technology;
- To see INIS products and services at the core of a web of nuclear information and knowledge bases.

Mission

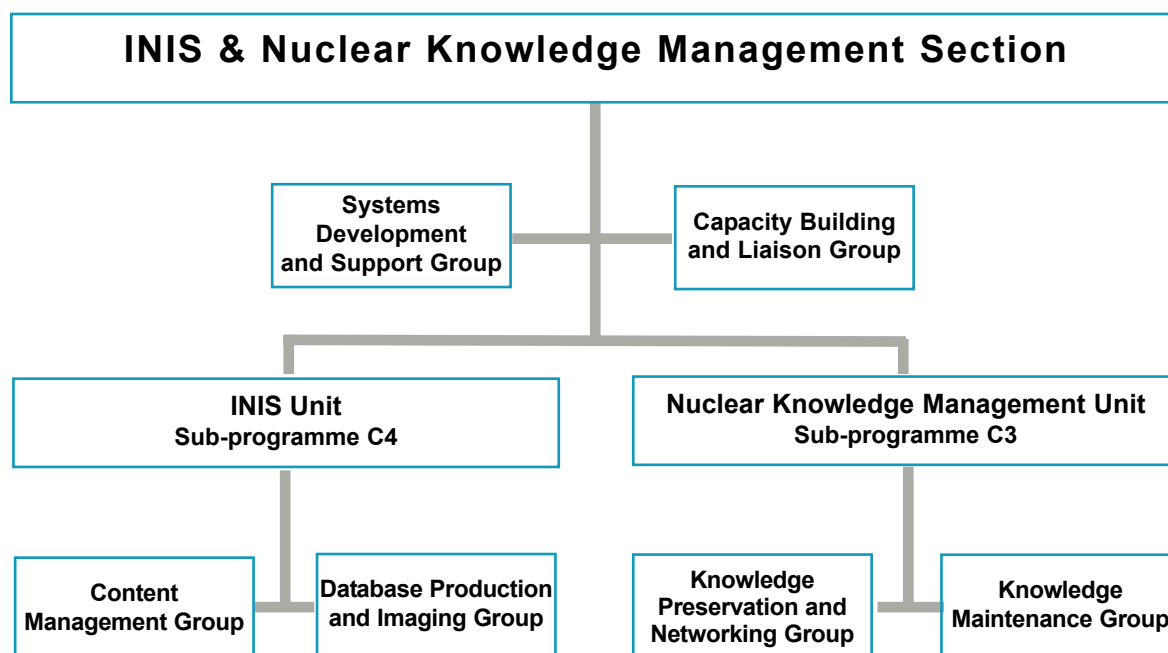
- To create a reservoir of nuclear information and knowledge for future generations;
- To provide quality nuclear information and knowledge management services to Member States;
- To assist with the development of a culture of knowledge sharing within the Agency and amongst Member States;
- To maintain and develop INIS in co-operation with Member States and active partners to preserve scientific and technical nuclear information.

New Website Launched

The INIS and Nuclear Knowledge Management Section launched its new website in August 2006. It integrates information from the former INIS (www.iaea.org/inis) and Nuclear Knowledge Management (www.iaea.org/km) sites and presents the Section's activities, products, services, meetings, publications and other useful information. Our new website can be found at

www.iaea.org/inisnkm.

Structure of the INIS and Nuclear Knowledge Management Section

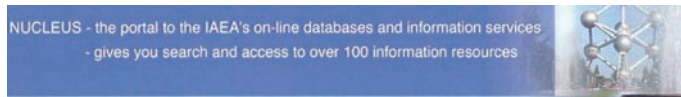


News from INIS

Access to INIS through New Internet Portal

A new Internet portal project - NUCLEUS - has been initiated by the IAEA. It integrates the existing information resources on nuclear science and technology and provides a gateway to access the IAEA's rich nuclear knowledge and information base. This will include access to the INIS Database and its unique collection of non-conventional "grey" literature on nuclear science and technology.

At present, NUCLEUS contains about 130 information resources (databases and web sites) of the IAEA and is publicly accessible. In the near future, it will also serve as the gateway for information exchange with other partner organizations in Member States and the international community.



Recently, agreements were negotiated with major publishers to acquire more electronic bibliographic records of journal articles. So far, the IAEA has signed agreements with Elsevier Science BV and the American Institute of Physics (AIP). In addition, the Institute of Physics Publishing (IOPP) and the British Library now provide electronic records free of charge. These records are converted to the INIS format, upgraded and indexed to INIS standards by Member States on a voluntary basis, and by the INIS Secretariat, and then incorporated into the INIS Database.

Record Figures. This initiative generated the addition, during 2005, of more than 53 000 bibliographic records of core journals to the INIS Database. As a direct consequence, the highest-ever annual input to the INIS Database - **116 626 records** - was achieved.

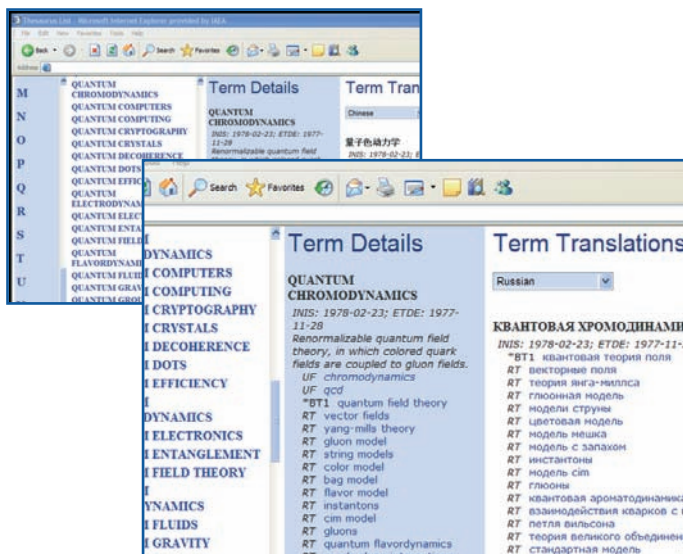
More Languages for INIS Thesaurus

INIS specialists have developed a controlled vocabulary for indexing the INIS Database - the INIS Thesaurus. Recently, the national INIS Centres of China and the Syrian Arab Republic completed versions of the INIS Multilingual Thesaurus in Chinese and Arabic, respectively,

Increase in INIS Input

Agreements with Major Publishers. As part of its quality assurance programme, the INIS Secretariat monitors the coverage of literature from INIS subject areas.

adding two more languages to earlier versions in English, French, German, Russian and Spanish. The multilingual vocabulary represents a unique thesaurus in the nuclear field.



INIS Multilingual Thesaurus

The INIS Secretariat has acquired a thesaurus management system, which has been upgraded to support all INIS languages, including Arabic, Chinese and Russian. Its new standard format for data exchange (XML) allows uploading thesauri in all official UN languages, plus German, into the new thesaurus management system, so that they can be distributed to, or exchanged with, national INIS Centres. Monolingual and multilingual dictionaries (thesauri) in all INIS languages will be available electronically, with HTML versions including navigation capabilities.

Digitization of INIS Full-Text Resources

The unique collection of full-text documents - non-conventional literature (NCL) - referenced in the INIS bibliographic database contains about 700 000 documents. Prior to 1997 this collection was stored in microfiche format. Since 2002 the INIS Secretariat has been digitizing the NCL microfiche collection at an annual rate of one million pages. To date, about half of the microfiche collection has been digitized. Plans are to complete the project within the next 3 or 4 years.

INIS is also supporting the preservation of nuclear knowledge and information initiatives at the IAEA and in Member States. Digitization of older IAEA publications and full-text documents on the German KNK-II experimental fast reactor is now completed. All IAEA Technical Documents (IAEA-TECDOCs), Board of Governors

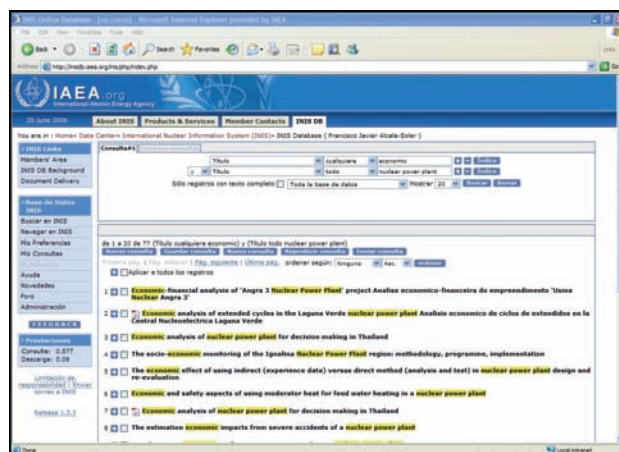
documents, the International Nuclear Data Centre (INDC) collection, the French CEA-R microfiche collection, and Mexican Instituto Nacional de Investigaciones Nucleares (ININ) documents are now being digitized and made available in electronic form. Further initiatives include the production of CDs and DVDs on specific topics to serve selected conferences and events.

INIS Database: New On-line Version

A modified and more user-friendly version of the INIS Online Database is now available at <http://inisdb.iaea.org> for authorized users. Presenting a new "look", this on-line version of the INIS Database offers also a number of improved features:

- Direct on-line access to full-text documents of non-conventional (grey) literature in PDF format.
- An export feature that allows downloading and saving bibliographic records in different formats including HTML, XML and MS Excel.
- An enhanced multi-lingual interface; individual users registered with the system are able to select their preferred language, which at present includes English, German and Spanish.
- An on-line discussion forum for users to share experiences and exchange information on the development and functionality of the INIS On-line Database.
- An extensive on-line "help system" that replaces printed user manuals.

The new INIS On-line Database can be accessed with the same user ID, password, and IP address as the previous version.



The new INIS On-line Database offers several improved features

News from Nuclear Knowledge Management

Conference Announcement

International Conference on Knowledge Management in Nuclear Facilities

18 - 21 June 2007
IAEA Headquarters, Vienna, Austria

Background

In recent years, new issues have emerged in Member States, including ageing facilities and personnel, nuclear phase-out policies, the expectation of nuclear growth in some regions and the objective to further improve the economic competitiveness of nuclear energy, while maintaining a high level of safety.

Awareness of the importance of nuclear knowledge management in addressing the challenges the industry is facing has grown significantly, both in the industry and in regulatory authorities, and a large number of projects is underway. Knowledge management is becoming an important element of the organizational behaviour of the nuclear industry.

In 2002, the IAEA General Conference adopted a new resolution on Nuclear Knowledge, emphasizing the importance of nuclear knowledge management. The resolution was reiterated in subsequent years. The conference is organized in response to those resolutions, also following the first International Conference on Nuclear Knowledge Management - Strategies, Information Management and Human Resource Development, organized by the IAEA in 2004 in France.

Objectives

The objectives of the conference are:

- to take stock of the recent developments in nuclear knowledge management;
- to demonstrate and discuss the benefits of nuclear knowledge management in promoting excellence in operation and safety of nuclear facilities;
- to promote the use of nuclear knowledge management in the nuclear industry;
- to provide insights and recommendations to the nuclear community.

Audience

The conference addresses decision makers and professionals in the nuclear industry, including in particular all nuclear facilities in all phases of their life cycle, and from regulatory organizations, governments, academia, vendors and other bodies concerned with the topic.

Details of the conference will be made available on the Section's website at www.iaea.org/inisnkm.

Guidance Documents for Managing Nuclear Knowledge

The IAEA is developing guidance documents on nuclear knowledge management including preservation and transfer of knowledge in the nuclear sector. This activity assists nuclear organizations in Member States to effectively apply methodologies and policies in knowledge management and benchmark their practices against those of other organizations.

One of the documents, *Nuclear Knowledge Management in Government, Industry and Academia* is being developed to serve the needs of managers in governmental, research, academic, and non-generation organizations in their work outside the power generation sector. The document offers guidance in terms of identifying the fundamental elements needed for an effective NKM system; sharing relevant lessons learned regarding NKM, including selected examples from organizations outside the nuclear field; and providing guidance concerning methods for NKM implementation.

An IAEA Technical Meeting will be held on 9-13 October 2006 to facilitate the development of this new document. Experts from Member States will review lessons learned in nuclear enterprises; identify basic trends in relevant subject areas; and catalogue potential NKM practices that would improve safety and performance in government, research, academic, and non-generation organizations.

IAEA Guidance Documents on Nuclear Knowledge Management

Managing Nuclear Knowledge: Strategies and Human Resource Development

Summary of an International Conference
7 - 10 September 2004, Saclay, France (see p. 10)

Nuclear Knowledge Management: Glossary

Revised August 2006

Risk Management of Knowledge Loss in Nuclear Organizations

Publication in late 2006 (see p. 11)

Knowledge Management for Nuclear Industry Operating Organizations

IAEA-TECDOC Series No. 1510 (see p. 10)

Coordinated Research Project on Knowledge Preservation

Preserving existing nuclear knowledge has received significant attention in many Member States. They have started, or intend to initiate, projects on nuclear knowledge preservation to prevent the loss of information as a strategic resource in the nuclear sector. This includes developing knowledge preservation approaches and tools based on modern information technology.

The main objective of the new Coordinated Research Project (CRP) is to assist Member States in selecting and implementing appropriate technological solutions for cost-effective preservation of critical knowledge in the nuclear sector. This objective will be reached through coordinated research, and analysis of the various methods and tools developed in Member States, which are used for nuclear knowledge preservation.



Particular focus will be given to methods and tools to capture, interpret, analyse, visualize and disseminate data and information, as well as the knowledge that is ultimately derived from them. A special framework for this analysis will be established. Based on the result of the analysis, guidelines for nuclear knowledge preservation will be elaborated. This will facilitate interoperability and knowledge integration in Member States. It will also seek to improve the present understanding of various technological aspects of nuclear knowledge preservation, and help increase the efficiency of nuclear knowledge preservation projects in Member States.

If your institute would like to join the CRP or requires more information, view the CRP Information Sheet at:

www.iaea.org/km/documents/InformationSheet_CRP.pdf

Training the Next Generation of Nuclear Experts

World Nuclear University: 2006 Summer Institute

The IAEA is supporting the World Nuclear University (WNU). The 2006 WNU Summer Institute was held from 8 July to 18 August, hosted by the Swedish Centre for Nuclear Technology (SKC), Sweden's Royal Institute of Technology (KTH) and the Commissariat à l'Energie Atomique (CEA), France.

For five weeks, more than 75 participants (fellows) from over 25 countries participated in formal lectures, presentations by distinguished speakers and group-work activities in Stockholm.



The programme covered a wide range of subjects:

"Global Settings" were introduced through lectures on world energy demand, climate change, emission reductions and nuclear technology for sustainable development.

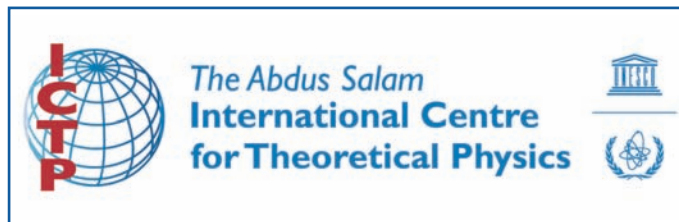
"International Regimes" were addressed, for example, nuclear law, nuclear verification and IAEA safeguards.

"Global Safety Culture", "Nuclear Industry" and **"Innovation"** were topics of further lectures.

The French component of the 2006 Summer Institute was a one-week technical tour of several of France's nuclear fuel cycle and research facilities.

Learn more about the WNU on their website:
<http://www.world-nuclear-university.org/>

ICTP School of Nuclear Knowledge Management



The Abdus Salam International Centre for Theoretical Physics (ICTP), in cooperation with the IAEA and the World Nuclear University (WNU), is organizing a School of Nuclear Knowledge Management, to take place from 18 to 22 September 2006 in Trieste, Italy.

Managing nuclear knowledge requires special skills that can be derived from various disciplines and fields, including data management, information technology, archives and libraries, human resource planning, academic institutional planning and training.

The objective of the School is to provide participants with an overview and basic understanding of the tools, mechanisms and challenges in each of those fields, exchange experiences and information on implementing nuclear knowledge management, and present lessons learned. Common difficulties, possible solutions and good practices are the main focus, with the aim to make results and insights directly applicable to the nuclear sector.

See <http://www.ictp.it/pages/events/calendar.html> for details.



IAEA Nuclear Knowledge Management experts Yanko Yanov (right) and Andrey Kosilov are the Directors of the ICTP School of Nuclear Knowledge Management, Trieste, Italy, 18-22 September 2006

ANENT - Asian Network for Education in Nuclear Technology

In 2004, several Asia-Pacific countries agreed to establish the Asian Network for Education in Nuclear Technology (ANENT), a new regional partnership cooperating in capacity building and human resource development in nuclear technology, with the support of the IAEA.

While traditional education and training has targeted participants on sites, ANENT is striving to disseminate knowledge and information to a broader audience by networking people and utilising information technology. This regional partnership intends to enable access to abundant and reliable knowledge on nuclear technology at any time and place.

ANENT Members

The current ANENT members are 28 institutions in 12 countries, including Australia, China, India, Indonesia, Malaysia, Mongolia, Pakistan, Republic of Korea, Sri Lanka, Thailand, the Philippines and Vietnam. ANENT also has six collaborating members including the European Nuclear Education Network Association (ENEN) and the World Nuclear University (WNU). Five member countries play leading roles in various activities:

- **Republic of Korea** - in exchanging information and materials;
- **Malaysia** - in facilitating personnel exchange;
- **Philippines** - in distance learning;
- **Vietnam** - in establishing reference curricula;
- **Sri Lanka** - in liaison and outreach.



ANENT Web Portal

ANENT's initial efforts, led by the Republic of Korea, focused on establishing a web portal for both internal and external communications. Based on a pilot model created by the Korean Atomic Energy Research Institute (KAERI), various technical and operational aspects, including portal design, structure and functions, were modified.



IAEA Regional Workshop on the Development of a Web Portal for ANENT, held in March 2005 at the Nuclear Training Center of KAERI in Daejeon, Republic of Korea

NET Database

The Nuclear Education and Training (NET) Database currently contains more than 900 data entries of lectures and training courses in the Asia-Pacific region. A search function helps members to understand and analyse those data.

Proposed Master's Degree Programme

Towards the end of 2005 another group, led by Vietnam, held a meeting with the aim of establishing reference curricula to facilitate credit transfer and mutual recognition of academic degrees and qualifications. This is directly connected to school education, and thus has the potential to influence nuclear education and training in the region.

At the first meeting, priority was given to developing an initial proposal of standard curricula for acquiring a master's degree in nuclear engineering. Depending on the combination of acquired credits, it is proposed that a master's degree programme be established in nuclear engineering on power application, nuclear engineering on non-power generation, and in fusion technology. The proposal is currently being circulated among the members for further study and refinement.

ANENT Technical Meeting 2006

Following the 2005 ANENT Meeting in Hanoi, experts from member and non-member countries met in September this year for the Technical Meeting of ANENT in Daejeon, Republic of Korea. They discussed nuclear knowledge issues facing the Asian nuclear community, regional initiatives for nuclear knowledge transfer, and NET networking. In conjunction, the 3rd meeting of the ANENT Coordination Committee, a regular annual convention for members, was also held, in which action plans to establish a new Regional Technical Cooperation Project were discussed.



Participants in the 2005 ANENT Meeting, held in Hanoi, Vietnam

Recent Publications from the INIS & Nuclear Knowledge Management Section

IAEA publications can be ordered and/or downloaded for free at: <http://www.iaea.org/Publications/index.html>

Thirty-five years of successful international cooperation in nuclear knowledge preservation: the International Nuclear Information System (INIS)

Atieh, T. and Workman, R. 2006. *International Journal of Nuclear Knowledge Management*, Vol. 2, No. 1, pp 76- 89

This journal article describes the operations and main activities of the International Nuclear Information System (INIS), which was established 35 years ago as the international mechanism for exchanging information in the field of peaceful uses of nuclear science and technology. It outlines the system's main features, users and products. International cooperation and decentralisation are the distinguishing features of this system. INIS produces, maintains and preserves Member States' knowledge in these

fields. The system has been instrumental in supporting national nuclear programmes. Thousands of scientists, researchers and university students are using INIS products to retrieve current and historical nuclear information.

Managing Nuclear Knowledge

IAEA Proceedings, to be published in Oct./Nov. 2006

This document summarizes the main points emerging from the presentations, panel discussions and practical exercises conducted during the workshop "Managing Nuclear Knowledge" that was jointly organized by the IAEA, the Abdus Salam International Center for Theoretical Physics (ICTP) and the World Nuclear University (WNU) in August 2005 in Trieste, Italy. It contains most of the presented papers and all presentations.

Knowledge Management for Nuclear Industry Operating Organizations

IAEA-TECDOC Series No. 1510, 2006

This document identifies the fundamental elements needed for an effective knowledge management system, shares lessons learned from within and outside the nuclear industry, and provides guidance concerning methods for implementing knowledge management.

The document also provides practical information based on the experiences of operating organizations in Member States and other related industries. This report is intended for senior and middle-level managers of nuclear industry operating organizations.

Managing Nuclear Knowledge: Strategies and Human Resource Development

Summary of an International Conference held in Saclay, France, 7-10 September 2004;

IAEA Proceedings Series, 2006. STI/PUB/1235; ISBN 92-0-110005-1.



This conference provided a forum for professionals and decision makers in the nuclear sector, comprised of industry, government and academia, as well as professionals in the knowledge management and information technology sectors. The goals of the conference were: to exchange information and share experiences on nuclear knowledge management, comprising strategies, information manage-

ment and human resource development; to identify lessons learned; and to embark on the development of new initiatives and concepts for nuclear knowledge management in IAEA Member States.

Keynote papers delivered by leading experts in the field, industry leaders and government officials covered important aspects of nuclear knowledge management. The sessions were devoted to managing and preserving nuclear knowledge; managing nuclear information; human resources for the nuclear sector; and networking for education and training.

Risk Management of Knowledge Loss in Nuclear Industry Organizations

IAEA Publication; STI/PUB/1248, 2006

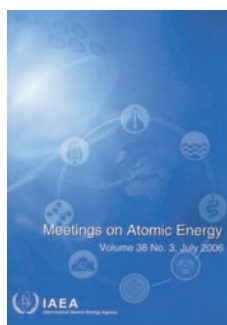
Maintaining nuclear competencies in the nuclear industry and nuclear regulatory authorities is a critical challenge. As many nuclear experts around the world are retiring, they are taking with them a substantial amount of knowledge and corporate memory. The loss of such employees, who hold knowledge critical to either operations or safety, poses a clear threat to the safe and reliable operation of nuclear facilities.

This report is based on actual experiences of Member State operating organizations, and is intended to increase awareness of the need to develop a strategic approach and action plans to address the potential loss of critical knowledge and skills in nuclear industry organisations.

Meetings on Atomic Energy

Do you want to meet colleagues and present your work? The INIS and Nuclear Knowledge Management Section maintains and issues a world-wide list of current and planned conferences, symposia, seminars, exhibitions and training courses related to nuclear energy and its peaceful uses.

Meetings on Atomic Energy is available online and in printed format. The on-line edition is updated regularly and features the most current information available to the IAEA. Go to: <http://www.iaea.org/cgi-bin/maeps.page.pl/search.htm> to use the search function or download a printable version of the listed conferences, exhibitions, training courses, IAEA meetings and meetings held in cooperation with the IAEA. The list is also available as a print publication which is issued quarterly. It has a world-wide distribution and is intended to be comprehensive within the field of nuclear science. The IAEA would therefore welcome information on future meetings.



Order your free copy of "Meetings on Atomic Energy" from the INIS and Nuclear Knowledge Management Section, Meetings on Atomic Energy (Ms Divna Pertot-Sinozic, Editor), International Atomic Energy Agency, P.O.B. 100, A-1400 Vienna, Austria, or by email: moae@iaea.org.

Forthcoming Meetings

Title	Dates, Location
Technical Meeting to Develop Guidance Documents for Nuclear Knowledge Management in Government, Industry and Academia (GIA)	9 - 13 October 2006 Vienna, Austria
33 rd Consultative Meeting of INIS Liaison Officers	30 Oct. - 1 Nov. 2006 Vienna, Austria
Research Coordination Meeting for the CRP on Comparative Analysis of Methods and Tools for Nuclear Knowledge Preservation	13 - 17 November 2006 Vienna, Austria
Technical Meeting on Implementation of the Fast Reactor Data Retrieval and Knowledge Preservation Initiative	28 Nov. - 1 Dec. 2006 Vienna, Austria
International Conference on Knowledge Management in Nuclear Facilities	18 - 21 June 2007 Vienna, Austria

Visit the Nuclear Energy Knowledge Portal

www.iaea.org/inisnkm

The purpose of the Nuclear Energy Knowledge Portal is to offer professionals in the nuclear field a direct and efficient access path to scientific and technical expert knowledge. You can access:

Find-an-Expert Facility

Looking for an expert? By searching recent entries in the INIS Database, you can identify experts who are presently active in a given subject domain. The query will return the names and affiliations of authors together with the titles of their recent publications.

IAEA Nuclear Knowledge Desk

Has searching public resources failed to provide you with satisfying answers? Pose your scientific/technical question to the Ask-an-Expert Service. Nuclear experts will try to answer your question or put you in contact with a specialist.

Nuclear Reactors Knowledge Base

Do you need comprehensive information on specific reactor types? In the nuclear reactors knowledge base, technical information and information on related IAEA activities, as well as activities in Member States are arranged by reactor type.

IAEA Databases

Do you need specific data? The IAEA maintains well over 100 databases related to its activities in the nuclear field, many of which are available to the public.

IAEA Web Resources

You know your subject area and want to find related information? The IAEA maintains a public web site with more than 50 000 individual web pages. This site facilitates subject-oriented access to the main working areas of the IAEA.

Internet Directory of Nuclear Resources

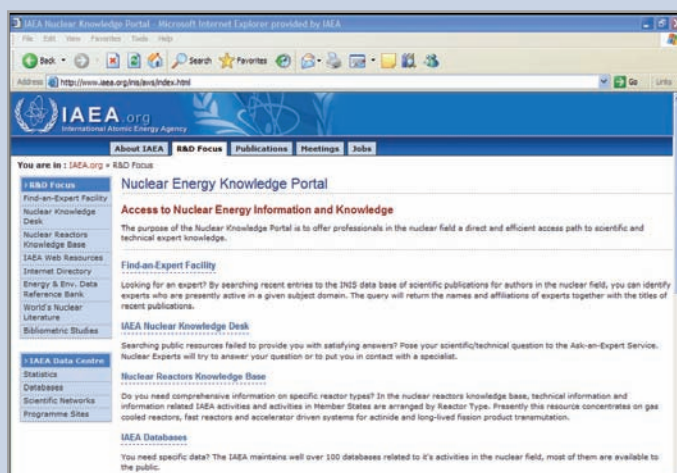
Do you find that searching the Internet is too imprecise? The IAEA maintains a growing database of annotated links to websites on the Internet that are related to various fields of nuclear science and technology and the IAEA's work. Consult the IAEA's annotated collection of thousands of nuclear resources on the Internet.

IAEA Publications

Looking for IAEA publications? Extensive information on IAEA publications issued since 1960, plus data on new publications, appear on the website on the day they are released.

Meetings on Atomic Energy

An edited worldwide listing of current and planned conferences, symposia, seminars, exhibitions and training courses related to nuclear energy and its peaceful uses is now available online as well as in printed format.



IAEA

International Atomic Energy Agency

Nuclear Information & Knowledge
No. 2

September 2006

06-27181

Wagramer Strasse 5, P.O. Box 100,
A-1400 Vienna, Austria

The Nuclear Information and Knowledge Newsletter is prepared twice per year by the
INIS and Nuclear Knowledge Management Section, Department of Nuclear Energy.
Printed by the IAEA in Austria, September 2006