

**ESTABLISHMENT OF INTERNATIONAL NUCLEAR INFORMATION
SYSTEM - BRANCH OF THE REPUBLIC OF MOLDOVA**

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The presented materials are a synthesis of the literature about the history, activity fields and the purposes of IAEA INIS and INIS Center in Moldova.

The Republic of Moldova joined the International Nuclear Information System (INIS) in 1998 and its branch was established in the Academy of Sciences of Moldova with essential technical support of the International Atomic Energy Agency (IAEA) during 1998-1999 years. The staff of Moldova INIS benefited from staff training and scientific visits with full financial support from the IAEA and with the INIS Centers support from Austria, Romania, and Russian Federation. During the same 1998 year, INIS Moldova signed Licenses Agreements for Internet Access to IAEA INIS Database and for the INIS Database on CD-ROM for INIS Member.

The INIS activity in Moldova consists of the selection of technical-scientific local publications, patents, non-conventional literature, preparing of input according to INIS requests and their presentation to IAEA INIS. The presented data are mainly from medicine, solid-state physics, chemistry and biology fields. But, unfortunately, the number of scientific publications in Moldova is decreasing during the last years. That is why the INIS staff also participates in the input preparing on the basis of a corporative collaboration with other countries (voluntary contributions).

The INIS Center in Moldova, offers to the scientific personnel free access to the Moldova INIS Database on CD-ROM or to the IAEA INIS Database through Internet. The INIS Center Library from Moldova contains also literature about the IAEA activity.

The INIS was launched in May 1970. Today, INIS is made up 103 Member States and 19 International Organizations such as: European Organization for Nuclear Research, Food and Agriculture Organization of the United Nations, International Atomic Energy Agency, International Organization for Standardization, World Energy Council, World Health Organization, World Meteorological Organization etc.

The INIS represents the world's leading information system on the peaceful use of nuclear energy. It is operated by the IAEA in collaboration with its Member States and all co-operating international organizations.

At present time the INIS database contain more than 1 500 000 items, file available on-line contains record from 1976 to the present. It is update semi-month, with an average annual increase of 90 000 records. The latest INIS product to become available is the INIS on CD-ROM, which contains records from 1976 to the present and its update quarterly. Authorization for access may be required from Moldova INIS Liaison Officer. All above-mentioned CD-ROM products are in the archive of the INIS Moldova branch.

The INIS provides a comprehensive information reference service for literature in nuclear science and technology. In order to perform all this, the INIS processes most of the world's scientific and technical literature that corresponds to the INIS subject scope. The subject scope was developed and improved to respond to the information needs of the international community in the areas of the interests covering the peaceful uses of nuclear science and technology.

The fields covered by the INIS are following:

- Nuclear Power including: Nuclear Engineering and Instrumentation; Fission Reactors; Nuclear Fuel Cycle; Radioactive Waste Management
- Nuclear Safety
- Materials of Nuclear Interest
- Environmental Aspects (of Nuclear and Non-nuclear Energy Sources)
- Economic Aspects (of Nuclear and Non-nuclear Energy Sources)
- Safeguards, Non-proliferation
- Nuclear Applications including: Production of Isotopes and Radiation Sources; Industrial Applications of Isotopes and Radiation Sources; Radioisotopes and Radiation in Earth Sciences; Radioisotopes and Radiation in Agriculture, Biology and Medicine
- Radiation Protection
- Nuclear Aspects of Physics including: Plasma Physics and Nuclear Fusion; Condensed Matter; Atomic and Molecular Physics; Nuclear Physics; Elementary Particle Physics; Classical and Quantum Mechanics
- Nuclear Aspects of Chemistry including: Radiochemistry; Radiation Chemistry; Nuclear Chemistry; Nuclear Analytical Methods
- Legal Aspects.

A distinguished feature of the INIS is its reliance on decentralization as an operational philosophy. The collection of input and the dissemination of output to users are decentralized. The decentralized approach to input and output was selected due to its results in the most comprehensive coverage of nuclear literature, the most effective method of handling information in different languages, and the most satisfactory services for users of the information.

The main INIS output product is the INIS Atomindex file, which is available free of charge to all the INIS Members on the basis of the Membership Agreement. To ease and expedite the delivery of the INIS information, the INIS Secretariat has an Internet FTP server to distribute information. For those who do not have FTP facilities, the information is sent on CD-ROM. All the information is updated weekly and made available to Liaison officers via e-mail.

The success of the INIS philosophy is proved by more than 2 million items in the INIS Database, annual growth averaging from 70000 to 80000 items and a collection of scientific reports, brochures, dissertations, patents, exceeding 550000 documents, in microfiche and electronic form. The INIS Database is available via the Internet on the IAEA host, under Web-based retrieval software.

The basic features of the service are:

- Searchable with a Web Browser that supports the "JavaScript 1.1" standard, such as "Microsoft Internet Explorer 4.0+", or "Netscape Navigator 3.0" and "Netscape Communicator 4.0+";

- Different search interfaces to accommodate different user requirements and level of expertise;
- Current awareness services; saving queries for future execution;
- Annual subscription fee for unlimited usage for 12 months;
- Links to full text delivery sources;
- Update frequency: weekly.

Demo database available free: <http://www.iaea.org/inis/inisdemo.htm>

The INIS Database on CD-ROM is produced by IAEA and Silver Platter Information Inc. and uses the SPIRS Retrieval Software, and now being available at reduced prices.

In January 1997, a new procedure for the distribution and sale of the INIS Database CD-ROM was introduced. The INIS Liaison Officers have the exclusive right to distribute the product within their countries.

<http://www.iaea.org/inis/inis.htm> represents Internet information and news of the INIS Secretariat of IAEA. It includes organizational information about INIS such as its mission, philosophy, membership arrangements, and provides product and service details and directions for access and/or acquisition. The latest news about the System activities, external WWW links are also available.

The INIS Clearinghouse supplies images of the full text of most of the Non-Conventional Literature of INIS. Copies are distributed on microfiche, CD-ROM or as electronic images sent by e-mail or FTP.

The INIS Non-Conventional Literature is available to the INIS Member States and co-operating international organizations participating in INIS.

The Moldova INIS staff thanks the IAEA INIS staff for literature presentation about history, activities and purposes of the INIS that is reflected in this report.

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