

Regional Co-ordinator, Europe Section, Division for Europe, Latin America and West Asia Department of Technical Co-operation (2000/092). This P-5 post will manage the Europe regional nuclear safety and nuclear power projects; ensure that the programme of regional projects remain responsive to participating countries' needs in the light of rapidly changing national and technical developments in the field of nuclear safety; ensure co-operation and co-ordination of the nuclear safety and power programmes with other major donors and international organizations. The post requires an advanced university degree in nuclear engineering and sciences; at least 15 years' experience in the field of nuclear safety and power engineering and nuclear safety regulatory practices; five years' experience in a senior position in the field of international relations concerned with assistance programmes to the CEEC (Central and Eastern European Countries) and NIS (Newly Independent States) is required; ability to promote participation and commitment to projects; and proficiency in English and another IAEA official language of the region (i.e. French, Spanish or Russian).

Closing Date: 9 February 2001

Head, Technical Services Unit, Technical Services Unit, VIC Library, Division of Scientific and Technical Information, Department of Nuclear Energy (2000/101). This P-4 position directs, and supervises the work of the Technical Services Unit (TSU), assures the analysis, procurement, delivery and processing of the information resources needed for the programme of the VIC-based organizations and the Seibersdorf and Monaco Laboratories. The

position requires an advanced university degree in library or information science or a related field; total of 10 years' work experience in libraries or information centres, including at least 5 years' experience in a supervisory position; the most recent five-year work experience should be in technical services, including collection development, acquisition and library information materials processing using integrated library systems; and direct experience with library applications in a networked environment. Work experience in the provision of reference and circulation services and familiarity with UN system and documents is desired. Fluency in English. Knowledge of other official Agency languages (Arabic, Chinese, French, Russian, Spanish) desirable.

Closing Date: 7 March 2001

Unit Head, Operations B2, Division of Operations B, Department of Safeguards (2000/097). This P-5 position will participate in the implementation of the Agency's safeguards system and, subject to the approval of the Board of Governors, function as a Safeguards Inspector. The position requires an advanced university degree in nuclear science, engineering, chemistry, physics or equivalent; at least 15 years' combined research, industrial and safeguards experience in nuclear materials, nuclear material accounting and/or destructive and non-destructive analysis; experience in safeguards-related activities including the planning and performance of inspections, design information verifications, data analysis and preparation of inspection reports and statements; progressively more responsible supervisory or managerial experience; experience in the development of safeguards

approaches; ability to guide effective teams towards the achievement of stated objectives; to provide feedback on performance and to encourage staff development; and knowledgeable use of electronic data processing for the treatment of information. Fluency in English essential. Knowledge of French and any other UN language (Arabic, Chinese, Russian or Spanish) desirable. Ability to draft technical documents in English essential.

Closing Date 28 February 2001

READER'S NOTE

The IAEA Bulletin publishes short summaries of vacancy notices as a service to readers interested in the types of professional positions required by the IAEA. They are not the official notices and remain subject to change. On a frequent basis, the IAEA sends vacancy notices to governmental bodies and organizations in the Agency's Member States (typically the foreign ministry and atomic energy authority), as well as to United Nations offices and information centres. Prospective applicants are advised to maintain contact with them. Applications are invited from suitably qualified women as well as men. *More specific information about employment opportunities at the IAEA may be obtained by writing to the Division of Personnel, P.O. Box 100, A-1400 Vienna, Austria.*

POST ANNOUNCEMENTS ON THE INTERNET

The IAEA's vacancy notices for professional positions, as well as sample application forms, are available through a global computerized network that can be accessed directly. Access is through the Internet. They can be accessed through the IAEA's *World Atom services on the World Wide Web* at the following address: <http://www.iaea.or.at/worldatom/vacancies>. Also accessible is selected background information about employment at the IAEA and a sample application form. Please note that applications for posts cannot be forwarded through the computerized network, since they must be received in writing by the IAEA Division of Personnel, P.O. Box 100, A-1400 Vienna, Austria.

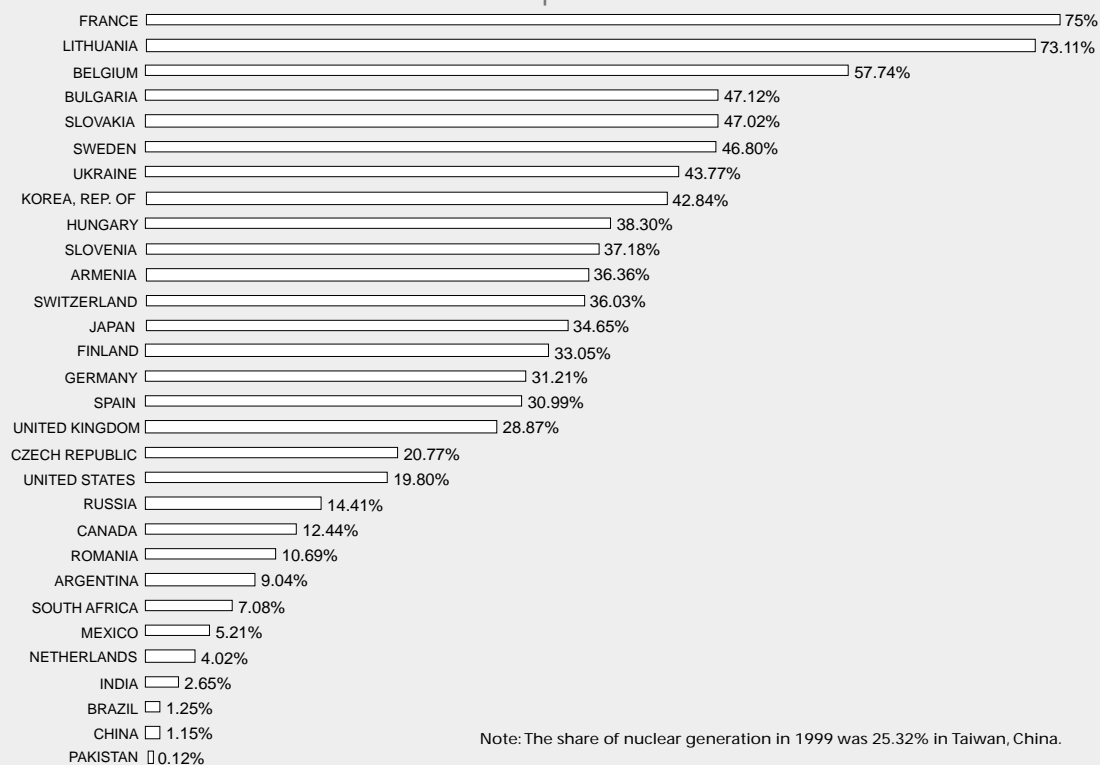
NUCLEAR POWER STATUS AROUND THE WORLD

	REACTORS IN OPERATION		REACTORS UNDER CONSTRUCTION	
	NO. OF UNITS	TOTAL NET MWE	NO. OF UNITS	TOTAL NET MWE
ARGENTINA	2	935	1	692
ARMENIA	1	376		
BELGIUM	7	5 712		
BRAZIL	1	626	1	1 229
BULGARIA	6	3 538		
CANADA	14	9 998		
CHINA	3	2 167	7	5 420
CZECH REPUBLIC	4	1 648	2	1 824
FINLAND	4	2 656		
FRANCE	59	63 103		
GERMANY	19	21 122		
HUNGARY	4	1 729		
INDIA	11	1 897		
IRAN			3	606
JAPAN			2	2 111
KOREA, REP. OF	53	43 691	4	4 515
LITHUANIA	16	12 990	4	3 820
LITHUANIA	2	2 370		
MEXICO	2	1 308		
NETHERLANDS	1	449		
PAKISTAN	1	125	1	300
ROMANIA	1	650	1	650
RUSSIAN FEDERATION	29	19 843	3	3 375
SOUTH AFRICA	2	1 842		
SLOVAKIA	6	2 408	2	776
SLOVENIA	1	632		
SPAIN	9	7 470		
SWEDEN	11	9 432		
SWITZERLAND	5	3 079		
UNITED KINGDOM	35	12 968		
UKRAINE	14	12 115	4	3 800
UNITED STATES	104	97 145		
WORLD TOTAL*	433	349 063	37	31 128

*This total includes Taiwan, China where six reactors totaling 4884 MWe are in operation. Two units are under construction. Table reflects status as of April 2000 as reported to the IAEA.

NUCLEAR SHARE OF ELECTRICITY GENERATION

as of April 2000



Note: The share of nuclear generation in 1999 was 25.32% in Taiwan, China.

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 <p>INTERNATIONAL NUCLEAR INFORMATION SYSTEM (INIS)</p> <p>TYPE OF DATABASE Bibliographic</p> <p>PRODUCER International Atomic Energy Agency in co-operation with 103 IAEA Member States and 19 international organizations.</p> <p>IAEA CONTACT IAEA, INIS Section P.O. Box 100 A-1400 Vienna, Austria Tel.: (43-1) 2600-22842 Fax: (43-1) 26007-22842 E-mail: INIS.CentreServicesUnit@iaea.org <i>More information over IAEA's internet service at</i> http://www.iaea.org/inis/inis.htm</p> <p>To subscribe to the INIS Database on the Internet go to http://www.iaea.org/inis/inisdb.htm Demo database available cost free.</p> <p>NUMBER OF RECORDS ON LINE FROM JANUARY 1970 TO DATE over 2 million</p> <p>SCOPE Worldwide information on the peaceful uses of nuclear science and technology; economic and environmental aspects of other energy sources</p> <p>COVERAGE The central areas of coverage are nuclear reactors, reactor safety, nuclear fusion, application of radiation or isotopes in medicine, agriculture, industry, and pest control. Also covered are related fields such as nuclear chemistry, nuclear physics, and material science. 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Box 100 A-1400 Vienna, Austria Tel.: (43-1) 2600 Telex (1)-12645 Fax: (43-1) 26007 E-mail: o.schwerer@iaea.org <i>More information over IAEA's internet service at</i> http://www.nds.iaea.org/</p> <p>SCOPE Numerical nuclear physics data files describing the interaction of radiation with matter, and related bibliographic data.</p> <p>DATA TYPES Evaluated neutron reaction data in ENDF format; experimental nuclear reaction data in EXFOR format, for reactions induced by neutrons, charged particles, or photons; nuclear half-lives and radioactive decay data in the systems NUDAT and ENSDF; related bibliographic information from the IAEA databases CINDA and NSR; various other types of data.</p> <p><i>Note: Off-line data retrievals from NDIS also may be obtained from the producer on diskettes, CD-ROMs and 4mm DAT tape cartridge.</i></p>	 <p>ATOMIC AND MOLECULAR DATA INFORMATION SYSTEM (AMDIS)</p> <p>TYPE OF DATABASE Numerical and bibliographic</p> <p>PRODUCER International Atomic Energy Agency in cooperation with the International Atomic and Molecular Data Centre network, a group of 14 national data centres from several countries.</p> <p>IAEA CONTACT IAEA Atomic and Molecular Data Unit, Nuclear Data Section E-mail: j.a.stephens@iaea.org <i>More information over IAEA's internet service at</i> http://www-amdis.iaea.org</p> <p>SCOPE Data on atomic, molecular, plasma-surface interaction, and material properties of interest to fusion research and technology.</p> <p>COVERAGE Includes ALADDIN formatted data on atomic structure and spectra (energy levels, wave lengths, and transition probabilities); electron and heavy particle collisions with atoms, ions, and molecules (cross sections and/or rate coefficients, including, in most cases, analytic fit to the data); sputtering of surfaces by impact of main plasma constituents and self sputtering; particle reflection from surfaces; thermophysical and thermomechanical properties of beryllium and pyrolytic graphites.</p> <p><i>Note: Off-line data and bibliographic retrievals, as well as ALADDIN software and manual, also may be obtained from the producer on diskettes, magnetic tape, or hard copy.</i></p>
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IAEA COORDINATED RESEARCH PROJECTS

DEVELOPING, VALIDATING AND STANDARDISING METHODOLOGIES FOR THE USE OF PCR AND PCR-ELISA IN THE DIAGNOSIS AND MONITORING OF CONTROL AND ERADICATION PROGRAMMES FOR TRYPANOSOMOSIS

The overall objective is to assist national veterinary laboratories develop and apply molecular based technologies for diagnosing major livestock diseases and improving the effectiveness of national and international control and eradication programmes. The specific objective is to introduce a molecular biological technique (PCR-ELISA) for a more effective diagnosis and surveillance of trypanosomosis.

RADIOIMMUNOASSAY OF ADVANCED GLYCATION END PRODUCTS (AGES) IN THE LONG TERM MANAGEMENT OF DIABETES MELLITUS

To develop a radioimmunoassay method for measurement of advanced glycation end products (AGEs) for early prediction of complications of diabetes mellitus. This will be useful for mass screening of diabetics to identify high risk groups for possible preventive intervention.

MANAGEMENT OF LIVER CANCER USING RADIONUCLIDE METHODS WITH SPECIAL EMPHASIS ON TRANS-ARTERIAL RADIOCONJUGATE THERAPY AND INTERNAL DOSIMETRY

Hepatocellular cancer is one of world's most common malignancies causing almost one million deaths annually. Results are excellent if the tumor is detected early and resected surgically. However in most developing countries with no or only sub-optimal screening procedures most of the patients report late, when surgical treatment becomes impossible or inadequate. Radionuclide treatment alone or in combination with some surgery is the only treatment of choice in such cases.

COMPARATIVE ASSESSMENT OF TELETHERAPY MODALITIES

This research project seeks to engage radiotherapy departments which use both cobalt and linear accelerators for teletherapy. They should have access to the records of expenditures on their equipment and machine logs to determine costs, reliability and patient load of the equipment.

RADIOLOGICAL ASPECTS OF PACKAGE AND CONVEYANCE NON-FIXED RADIOACTIVE CONTAMINATION

To research the levels, sources and methods for controlling non-fixed radioactive contamination on packages and conveyances during the transport of radioactive material, and to reassess the radiological consequences of the current regulatory requirements and define the costs/benefits and justifications for modifying the regulatory requirements.

IAEA SYMPOSIA & SEMINARS

MEETINGS SCHEDULED FOR 2001

MARCH

International Conference on the Radiological Protection of Patients in Diagnostic and Interventional Radiology, Nuclear Medicine and Radiotherapy 26-30 March, Torremolinos (Málaga), Spain

APRIL

International Conference on the Study of Environmental Change Using Isotope Techniques 23 - 27 April, Vienna, Austria

MAY

International Conference on Security of Material -- Measures to Prevent, Intercept and Respond to the Illicit Uses of Nuclear Material and Radioactive Sources 7-11 May, Stockholm, Sweden

International Seminar on Status and Prospects for Small and Medium-Sized Reactors 27-31 May, Cairo, Egypt

AUGUST

International Symposium on Isotopic Tools for Monitoring Nutritional Status in Nutrition and Development Programmes (integral part of the 17th International Conference of the International Union of Nutritional Sciences) 27 - 31 August, Vienna, Austria

SEPTEMBER

International Conference on Topical Issues in Nuclear, Radiation, and Radioactive Waste Safety, 3-6 September, Vienna, Austria

45th General Conference of the IAEA 17-21 September, Vienna, Austria

NOVEMBER

International Symposium on International Safeguards 29 October - 2 November, Vienna, Austria

International Conference on Radioactive Waste from Non-Power Applications -- Sharing the Experience, 5-9 November, Malta

International Symposium on Utilization of Low-Energy Accelerators 26-30 November, Sao Paulo, Brazil

All information subject to change. See box at left.

These are selected listings, subject to change. More complete information about meetings can be obtained from the IAEA Conference Services Section at the Agency's headquarters in Vienna, or by referring to the IAEA's periodical *Meetings on Atomic Energy*, prepared by the Agency's Division of Public Information, and by visiting the IAEA's *WorldAtom* Internet services at <http://www.iaea.org>. More information about the IAEA's co-ordinated research projects may be obtained from the Research Contracts Administration Section at IAEA headquarters. The programmes are designed to facilitate global co-operation on scientific and technical subjects in various fields, ranging from radiation applications in medicine, agriculture, and industry to nuclear power technology and safety.

