

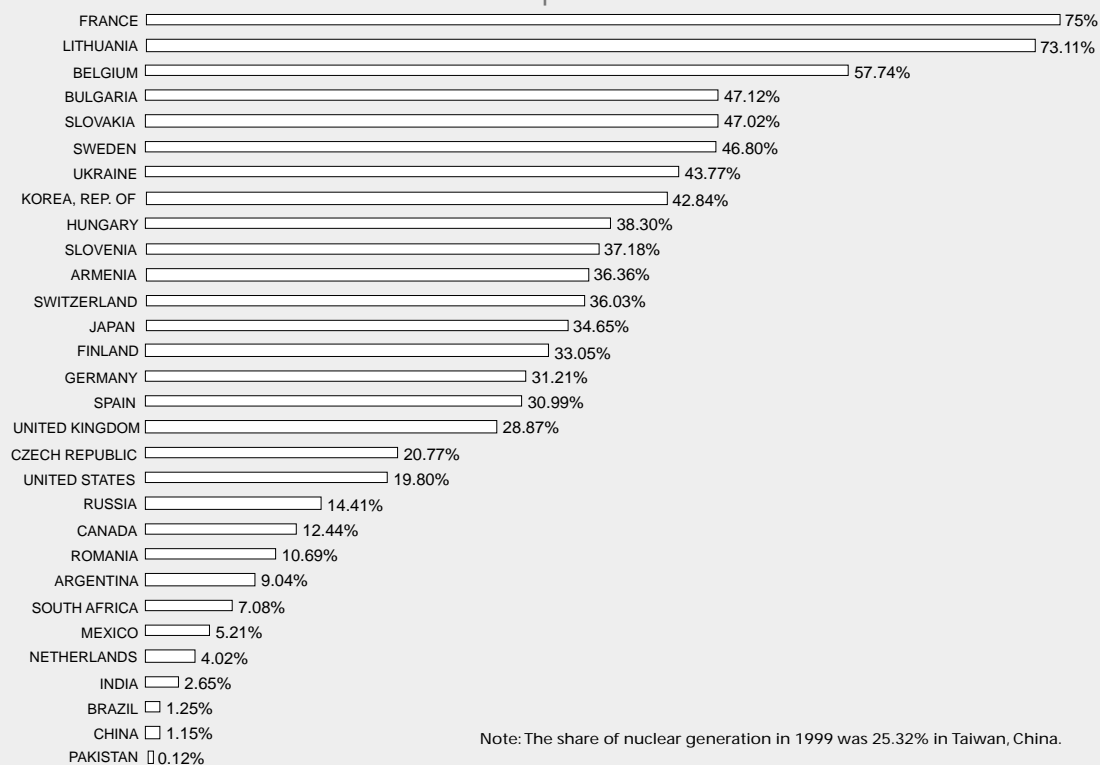
NUCLEAR POWER STATUS AROUND THE WORLD

	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	5712		
BRAZIL	2	1885		
BULGARIA	6	3538		
CANADA	14	9998		
CHINA	3	2167	7	5420
CZECH REPUBLIC	5	2569	1	912
FINLAND	4	2656		
FRANCE	59	63103		
GERMANY	19	21122		
HUNGARY	4	1729		
INDIA	14	2503		
IRAN			2	2111
JAPAN	53	43691	4	4515
KOREA, REP. OF	16	12990	4	3820
LITHUANIA	2	2370		
MEXICO	2	1308		
NETHERLANDS	1	449		
PAKISTAN	2	425		
ROMANIA	1	650	1	650
RUSSIA	29	19843	3	3375
SOUTH AFRICA	2	1842		
SLOVAKIA	6	2408	2	776
SLOVENIA	1	632		
SPAIN	9	7470		
SWEDEN	11	9432		
SWITZERLAND	5	3079		
UNITED KINGDOM	35	12968		
UKRAINE	13	11207	4	3800
UNITED STATES	104	97145		
WORLD TOTAL*	438	351086	31	29891

*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 2001 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.

Satellite Imagery Specialist, Director's Office, Division of Safeguards Information Technology, Department of Safeguards (2001/021). This P-5 position is responsible for the successful implementation of a limited satellite imagery capability and geographic information laboratory, in line with the needs of the Department of Safeguards. To establish a capability for using commercial satellite imagery and other geographic information derived from geographic data, photos, commercial satellite imagery, tabular data and open source data. The post requires a university degree or equivalent in computer science, information management or a related field; at least 15 years of practical experience, including at least 5 years of recent experience, in information management, analysis tools and the use of computers for large information systems; recent experience in nuclear related research either in the nuclear industry or international/government service; and proficiency in English.
Closing Date: 15 June 2001

Satellite Imagery Database Administrator, Director's Office, Division of Safeguards Information Technology, Department of Safeguards (2001/901). This P-2 position is responsible for the successful implementation of a limited satellite imagery capability and geographic information laboratory, in line with the needs of the Department of Safeguards and assisting in establishing a capability for using commercial satellite imagery and other geographic

information derived from maps, aerial and ground photos, tabular data and open source data. The post requires a university degree in computer science or equivalent practical experience, including at least 4 years of experience in using HTML and JavaScript programming skills; recent experience using FLASH technology in the development of on-line systems; desktop publishing and report preparation skills using industry standard tools such as Adobe Photo shop, Corel draw and MSOffice; at least 2 years' experience in geographical systems applications and data archiving and proficiency in English.

Closing Date: 15 June 2001

Regional Project Manager, Latin America Section, Division for Europe, Latin America and West Asia, Department of Technical Co-operation (2001/803). This P-4 position will be responsible for planning and co-ordinating fruit fly related programme activities in six countries: Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua and Panama; for operation assistance in the field, and seeking extra-budgetary sources of funding from governments and potential donor institutions. The position requires an advanced university degree in entomology or equivalent; at least 10 years' experience in the planning and management of fruit fly projects, including hands-on experience with: quarantines (regulations, exclusion and host treatments), detection tools (traps and fruit sampling), control technologies (baits, SIT (sterile insect technique,

parasitoids), environmental monitoring and mass rearing; proficiency in English and Spanish.

Closing Date: 15 June 2001

Safeguards Inspector (two posts). Two positions, one at the P-4 level (2001/SGO-3) and the other at P-3 (2001/SGO-4) are being recruited through the year 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.*

IAEA COORDINATED RESEARCH PROJECTS

INTEGRATED SOIL, WATER AND NUTRIENT MANAGEMENT FOR SUSTAINABLE RICE-WHEAT CROPPING SYSTEMS IN ASIA

The rice-wheat production system in the Asian sub-tropics occupies nearly 12 million hectares in South Asia and another 20 million hectares in central China. The objective of the CRP is to improve the productivity and sustainability of rice-wheat cropping systems in the region through increased efficiency of water and nutrient use. More specifically, existing water and nutrient management systems will be modified and pilot tested, and traditional soil management practices will be compared with emerging tillage systems (raised beds, non-puddled soil, direct seeding) for sustainable intensification of cereal production through the use of nuclear and related techniques. The focus of the project will be China and the major rice-wheat producing countries in the Indo-Gangetic Plains of South Asia. The project will be implemented in 2001 and preference will be given to scientists and institutions with experience in nuclear techniques and on-going research in the rice-wheat cropping systems, so that the CRP studies using nuclear techniques can be fully integrated with existing experiments and available resources.

ISOTOPE TECHNIQUES FOR SEDIMENT SOURCE CHARACTERIZATION

The overall objective of the CRP is to develop a methodology for applying nuclear techniques to the planning, designing and monitoring of erosion and sedimentation remediation strategies in watershed management and dam sustainability analysis. There are several nuclear techniques which have been already used for sediment fingerprinting, mainly through environmental radioactivity and isotopic composition. In addition to the nuclear techniques, sediment magnetic properties, major & minor elements and other conventional methods could also be applicable and should be considered and evaluated as complementary tools for sediment fingerprinting. It is intended that the contractors and the agreement holders to be selected for participating in the CRP will apply their techniques in one or two reference basins to be selected in developing countries, where active programmes for the control of soil erosion are being carried out.

ATOMIC AND MOLECULAR DATA FOR FUSION PLASMA DIAGNOSTICS

The CRP will establish a numerical database for processes that are important in the diagnostics of nuclear fusion reactor plasmas. In the core region there is a need to use soft X-ray spectroscopy as well as optical spectroscopy for diagnostics. Heating beams are used to raise the core temperature and doped beams are used for diagnostic purposes. Thus, beam spectroscopy is an important consideration in the plasma core region. Radiation from impurities in the edge region is very important in understanding the formation of advanced discharge regimes. Processes such as charge exchange can be important for diagnostic purposes and will be included in this CRP. Data generated in this CRP will undergo an evaluation process and the data will be added to the electronic database which is available through the Internet. The Atomic and Molecular Subcommittee of the International Fusion Research Council recognizes the importance of these types of data and has strongly recommended the establishment of this CRP.

IAEA SYMPOSIA & SEMINARS 2001

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

OCTOBER

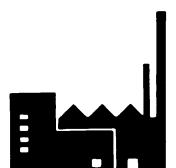
International Symposium on International Safeguards
29 October - 2 November, Vienna, Austria

NOVEMBER

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

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

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.



2002

MAY

International Symposium on Cardiovascular Nuclear Medicine
27-31-May, Beijing, China

JUNE

International Symposium on the Use of Mutated Genes in Crop Improvement and Functional Genomics
Vienna, Austria

All information subject to change. See box at left.