

Annual Report for 2004

Article VI.J of the IAEA's Statute requires the Board of Governors to submit "an annual report to the General Conference concerning the affairs of the Agency and any projects approved by the Agency".

This report covers the period 1 January to 31 December 2004.



IAEA

International Atomic Energy Agency

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Member States of the International Atomic Energy Agency

(designation as of 31 December 2004)

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

The Agency's Statute was approved on 23 October 1956 by the Conference on the Statute of the IAEA held at United Nations Headquarters, New York; it entered into force on 29 July 1957. The Headquarters of the Agency are situated in Vienna. Its principal objective is "to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world".

The Board of Governors

The Board of Governors oversees the ongoing operations of the Agency. It comprises 35 Member States and generally meets five times a year, or more frequently if required for specific situations. Among its functions, the Board adopts the Agency's programme for the incoming biennium and makes recommendations on the Agency's budget to the General Conference.

In 2004, the Board considered the *Nuclear Technology Review – 2004* and various activities related to nuclear science, technology and applications. This included authorizing the implementation of the Programme of Action for Cancer Therapy (PACT).

In the area of safety and security, it considered the *Nuclear Safety Review for the Year 2003*

and related activities. It approved four Action Plans on various safety related activities and the 2005 edition of the Agency's *Regulations for the Safe Transport of Radioactive Material*, and adopted the Code of Conduct on the Safety of Research Reactors.

As regards verification, the Board considered *The Safeguards Implementation Report for 2003*. It also approved a number of safeguards agreements and additional protocols.

Further to the report of the Chairman of the Working Group on Assessed Programme Costs (APCs) and Technical Cooperation Fund Targets, the Board established the mechanism of 'National Participation Costs' to replace APCs.

Composition of the Board of Governors (2004–2005)

Chairperson: H.E. Ms. Ingrid HALL
Ambassador, Governor from Canada

Vice-Chairman: Mr. Parvez BUTT
*Chairman, Atomic Energy Commission,
Governor from Pakistan*

Vice-Chairman: Mr. Jerzy NIEWODNICZAŃSKI
*President, National Atomic Energy Agency,
Governor from Poland*

Algeria	Nigeria
Argentina	Pakistan
Australia	Peru
Belgium	Poland
Brazil	Portugal
Canada	Russian Federation
China	Singapore
Ecuador	Slovakia
France	South Africa
Germany	Sri Lanka
Ghana	Sweden
Hungary	Tunisia
India	United Kingdom of Great Britain and Northern Ireland
Italy	United States of America
Japan	Venezuela
Korea, Republic of	Vietnam
Mexico	Yemen
Netherlands	

The General Conference

The General Conference comprises all Member States of the Agency and meets once a year. It considers the annual report of the Board of Governors on the Agency's activities during the previous year; approves the Agency's accounts and the budget; approves any applications for membership; and elects members to the Board of Governors. It also conducts a wide ranging general

debate on the Agency's policies and programmes and passes resolutions directing the priorities of the Agency's work.

In 2004, the Conference — upon the recommendation of the Board — approved for membership of the Agency the Islamic Republic of Mauritania, the Republic of Chad and the Togolese Republic.

The Agency at a Glance

(as of 31 December 2004)

138 Member States.

65 intergovernmental and non-governmental organizations worldwide having formal agreements with the Agency.

47 years of international service by 2004.

2244 professional and support staff.

\$304 million total regular budget for 2004, supplemented by extrabudgetary contributions received in 2004 amounting to **\$54.5 million**.

\$74.75 million target in 2004 for voluntary contributions to the Agency's Technical Cooperation Fund, supporting projects involving **2618** expert and lecturer assignments, **2296** meeting and workshop participants, **2041** participants in training courses and **1444** fellows and visiting scientists.

2 liaison offices (in New York and Geneva) and **2** safeguards regional offices (in Tokyo and Toronto).

2 international laboratories and research centres.

130 active Coordinated Research Projects involving **1680** approved research contracts and agreements.

237 safeguards agreements in force in **152** States (and with Taiwan, China) involving **2302** safeguards inspections performed in 2004. Safeguards costs in 2004 amounted to **\$103.7 million** in regular budget and **\$16.3 million** in extrabudgetary resources.

17 national safeguards support programmes and **1** multinational support programme (European Union).

8 million monthly hits to the Agency's *iaea.org* web site.

2.54 million records in the International Nuclear Information System, the Agency's largest database.

200 publications and newsletters issued (in print and electronic formats) in 2004.

Notes

- The *Annual Report* reviews the results of the Agency's programme according to the three "pillars" of **technology, safety** and **verification**. The main part of the report, starting on page 13, generally follows the programme structure as it applied in 2004. The introductory chapter, "The Agency and the World in 2004", seeks to provide a thematic analysis, based on the three pillars, of the Agency's activities within the overall context of notable developments during the year. Information on specific issues can be found in the latest editions of the Agency's *Nuclear Safety Review*, *Nuclear Technology Review* and *Technical Cooperation Report*. For the convenience of readers, these documents are available on the CD-ROM attached to the inside back cover of this report.
- Additional information covering various aspects of the Agency's programme is also provided on the attached CD-ROM, and is also available on the Agency's *iaea.org* web site (<http://www.iaea.org/Publications/Reports/Anrep2004/>).
- All sums of money are expressed in United States dollars.
- The designations employed and the presentation of material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat concerning the legal status of any country or territory or of its authorities, or concerning the delimitation of its frontiers.
- The mention of names of specific companies or products (whether or not indicated as registered) does not imply any intention to infringe proprietary rights, nor should it be construed as an endorsement or recommendation on the part of the Agency.
- The term "non-nuclear-weapon State" is used as in the Final Document of the 1968 Conference of Non-Nuclear-Weapon States (United Nations document A/7277) and in the NPT.

Abbreviations

ABACC	Brazilian–Argentine Agency for Accounting and Control of Nuclear Materials
ADB	Asian Development Bank
AFRA	African Cooperative Agreement for Research, Development and Training Related to Nuclear Science and Technology
ARCAL	Regional Cooperative Arrangements for the Promotion of Nuclear Science and Technology in Latin America
BWR	Boiling water reactor
CRP	Coordinated Research Project
CTBTO	Comprehensive Nuclear-Test-Ban Treaty Organization
ESTRO	European Society of Therapeutic Radiology and Oncology
Euratom	European Atomic Energy Community
FAO	Food and Agriculture Organization of the United Nations
FORATOM	Forum Atomique Européen
HWR	Heavy water reactor
IAEA-MEL	IAEA Marine Environment Laboratory
ICAO	International Civil Aviation Organization
IEA	OECD International Energy Agency
ICTP	International Centre for Theoretical Physics
IPCC	Intergovernmental Panel on Climate Change
IIASA	International Institute for Applied Systems Analysis
ILO	International Labour Organisation
IMO	International Maritime Organization
INDC	International Nuclear Data Committee
INIS	International Nuclear Information System
IOC	Intergovernmental Oceanographic Commission (UNESCO)
ISO	International Organization for Standardization
LWR	Light water reactor
NEA	OECD Nuclear Energy Agency
NPT	Treaty on the Non-Proliferation of Nuclear Weapons
OCHA	United Nations Office for the Coordination of Humanitarian Affairs
OECD	Organisation for Economic Co-operation and Development
OLADE	Organización Latinoamericana de Energía
OPANAL	Organismo para la Proscripción de las Armas Nucleares en América Latina y el Caribe
PAHO	Pan American Health Organization/WHO
PHWR	Pressurized heavy water reactor
PWR	Pressurized water reactor
RAF	Regional Africa
RAS	Regional East Asia and Pacific
RAW	Regional West Asia
RBMK	Light boiling water cooled graphite moderated pressure tube reactor (former USSR)
RCA	Regional Cooperative Agreement for Research, Development and Training Related to Nuclear Science and Technology
SQ	Significant quantity
UNAIDS	Joint United Nations Programme on HIV/AIDS

UNDESA	United Nations Department of Economic and Social Affairs
UNDP	United Nations Development Programme
UNECE	United Nations Economic Commission for Europe
UNECLAC	United Nations Economic Commission for Latin America and the Caribbean
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNFCCC	United Nations Framework Convention on Climate Change
UNFPA	United Nations Fund for Population Activities
UNICEF	United Nations Children's Fund
UNIDO	United Nations Industrial Development Organization
UNMOVIC	United Nations Monitoring, Verification and Inspection Commission
UNOPS	United Nations Office for Project Services
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation
UPU	Universal Postal Union
WANO	World Association of Nuclear Operators
WCO	World Customs Organization
WEC	World Energy Council
WFP	World Food Programme
WHO	World Health Organization
WMO	World Meteorological Organization
WTO	World Trade Organization
WWER	Water cooled and moderated energy reactor (former USSR)

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