



# IAEA

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

*Atoms For Peace*

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2004-06-10

The Secretariat of the International Atomic Energy Agency (Agency) presents its compliments to the Ministries of Foreign Affairs of the Member States of the Agency and has the honour to request that they draw the attention of the appropriate governmental authorities to the Agency's intention to hold a Scientific Forum during the forty-eighth regular session of the General Conference on the theme of *Nuclear Fuel Cycle Issues and Challenges*. The Scientific Forum will take place on 21 and 22 September 2004 in Conference Room C of the Austria Center, parallel to the formal proceedings of the General Conference. There will be three sessions on the following topics: *Advanced Fuel Cycles and Reactor Concepts*, *Waste and Spent Fuel Management Issues*, and *Research Reactor Fuel Cycle and Related Issues*.

The *first* session is expected to cover key issues in fuel cycle options, achievements and prospects for advanced reactor design and fuel cycle, holistic consideration of fuel cycle systems for sustainable development as well as key issues requiring research and development programmes. The *second* session will examine spent nuclear fuel management, advances in reprocessing of spent fuel as well as in treatment of wastes from reprocessing of spent fuel. The *third* session will focus on research reactor fuel issues including replacement of HEU, research reactor utilization and spent fuel management.

Governments to which this note is addressed are invited to designate representatives for participation in the Forum. The Agency encourages Member States to include in their delegations representatives from organizations dealing with the issues mentioned above. The Secretariat would be grateful if the attached Tentative Programme and Participation Form could be brought to the attention of the authorities, institutions and persons that might be interested.

Governments are requested to inform the designated participants that, if they require visa to enter Austria, they should submit the necessary application to the nearest diplomatic or consular representative of Austria as soon as possible.

The Secretariat of the International Atomic Energy Agency avails itself of this opportunity to renew to the Ministries of Foreign Affairs of the Member States of the Agency the assurances of its highest consideration.

Enclosure

**SCIENTIFIC FORUM 2004**  
**NUCLEAR FUEL CYCLE ISSUES AND CHALLENGES**

**TUESDAY, 21 SEPTEMBER 2004**

**10:00 – 13:00 hours**

**Opening Address: M. ElBaradei, Director General of the IAEA**

**Session 1: Advanced Fuel Cycles and Reactor Concepts**

The keynote presentations will be followed by a panel discussion.

Keynote Topics:

- Key issues in fuel cycle options
- Achievements and prospects for advanced reactor design and fuel cycle
- Holistic consideration of fuel cycle systems for sustainable development
- Key issues requiring research and development programmes

**13:00 – 15:00 hours**

Break

**TUESDAY, 21 SEPTEMBER 2004**

**15:00 – 18:00 hours**

**Session 2: Waste and Spent Fuel Management Issues**

The keynote presentations will be followed by a panel discussion.

Keynote Topics:

- Spent nuclear fuel management
- Advances in reprocessing of spent fuel: Partitioning
- Advances in treatment of wastes from reprocessing of spent fuel: transmutation, solidification

**WEDNESDAY, 22 SEPTEMBER 2004**

**10:00 – 13:00 hours**

**Session 3: Research Reactor Fuel Cycle and Related Issues**

The keynote presentations will be followed by a panel discussion.

Keynote Topics:

- Fuel issues: Replacement of HEU

- Research reactor utilization
- Spent fuel management and decommissioning

At this session the outcome of the Senior Regulators Meeting on Application of the Code of Conduct on the Safety of Research Reactors will also be presented.

*For further information please contact:*

International Atomic Energy Agency

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To register online and for further information please go to

<http://www-pub.iaea.org/MTCD/Meetings/Meetings.asp>



**Scientific Forum**  
**21-22 September 2004, Austria Center, Vienna**  
**during the 48<sup>th</sup> Regular Session of the IAEA General Conference**

***Nuclear Fuel Cycle Issues and Challenges***

**A. PARTICIPATION FORM**

To be sent to the International Atomic Energy Agency, Vienna International Centre, Wagramer Strasse 5, P.O. Box 100, A-1400 Vienna, Austria, [Telefax No. +43-1-26007], <http://www-pub.iaea.org/MTCD/Meetings/Meetings.asp>.

FAMILY NAME:	ALL INITIALS OF GIVEN NAMES:	MR./MS
INSTITUTION:	FULL ADDRESS:	
	FOR URGENT COMMUNICATIONS PLEASE INDICATE:  TELEFAX NO.:  TELEPHONE NO.:  E-MAIL:	
NATIONALITY:	GOVERNMENT OR ORGANIZATION:	
MAILING ADDRESS (IF DIFFERENT FROM ADDRESS INDICATED ABOVE):		