



INTERNATIONAL ATOMIC ENERGY AGENCY

Technical Meeting
on

**Implementation of the Fast Reactor Data Retrieval and Knowledge
Preservation Initiative**

28 November - 1 December 2006

IAEA Headquarters, Vienna

INFORMATION SHEET AND CALL FOR PAPERS

1. INTRODUCTION AND BACKGROUND

In response to needs expressed by the Member States¹, and within a broader Agency wide effort in nuclear knowledge management and preservation, and transmission to the younger generation, the IAEA is implementing a concrete initiative on fast reactor data retrieval and knowledge preservation². The IAEA's FRKP initiative provides an overall framework for the various programs being implemented in the Member States. The main goals of this initiative are to halt the ongoing destruction of information, data retrieval, data assessment to determine which data and information should be retained, consideration of how information from different programs could be linked, and what standards should exist and be employed in software and hardware to allow knowledge preservation over the next 30 to 40 years.

In line with the objective of the Agency's FRKP initiative to develop a Knowledge Base into which existing Knowledge Preservation Systems will fit, and which will complement and integrate ongoing and future Member States' efforts to preserve fast reactor data and knowledge, its implementation rests on two pillars:

- (i) IAEA contributions;
- (ii) Member States contributions.

The Agency contributes its own data and knowledge accumulated over nearly 40 years of activities performed within the frame of the TWG-FR [formerly International Working Group on Fast Reactors (IWG-FR)]. It is further creating a FRKP Initiative network among the interested Member States, and supporting and coordinating fast reactor data retrieval and knowledge preservation activities in Member States. Last, but not least, after having defined the structure of the knowledge preservation system, it is developing the means for precise and efficient knowledge retrieval through specialized taxonomies and classification systems, as well as the appropriate software tools. The fast reactor data and knowledge will be made accessible on suitable platforms, including an Internet based Knowledge Portal. Clearly, the implementation of the Agency's FRKP initiative asks for a joint effort between the NPTD and INIS/NKM Sections (projects A.4.02 and C.3.03 in the P&B 2004-2005, respectively).

The Member States joining the initiative, on the other hand, bear the responsibility for data retrieval and interpretation, as well as quality assurance. More specifically, the Member States' contributions can be summarized as follows:

- Identification of the location of fast reactor development, operation, and decommissioning data and knowledge;
- Assessment of the quality and completeness of the data and information, as well as of the degree to which it is endangered;
- Conversion of the data into a robust and secure digital form;
- Development of interpretive documents that are defining the final state of affairs and its rationale;
- Preparation of bibliographical records, including index/key words in cooperation with and using INIS resources;
- Facilitation of the provision of access to the information (not necessarily open release if commercial) within the international Knowledge Portal to be administered and preserved by the IAEA.

¹ Needs expressed at various occasions, e.g., (i) IAEA Advisory Group Meeting on "Evaluation of Fast Reactor Core Physics Tests, 22 – 24 November 1999; (ii) Special Session at the 2001 American Nuclear Society Winter Meeting "Passing on Fifty Years of Fast Reactor Knowledge to a New Generation in Nuclear Research and Development", co-chaired by Argonne National Laboratory and IAEA; (iii) Meeting of senior officials convened by the IAEA Director General, Vienna, 17 – 19 June 2002; (iv) IAEA international consultancy hosted by the Argonne National Laboratory in Idaho Falls, 2 – 4 April 2002; (v) IAEA General Conference resolution GC(47)/RES/10.B, Vienna, September 2003

² Acronym: FRKP

2. OBJECTIVES

The objectives of the Technical Meeting (TM) are to:

- i) Review national activities in the area of fast reactor data and knowledge preservation; and
- ii) Develop the requirements and specifications for the Fast Reactor Knowledge Portal to be implemented and maintained by the Agency.

3. PROVISIONAL PROGRAMME

Since, from a functional point of view, the Agency's fast reactor knowledge preservation system will draw on the information resources of Member States and on existing IAEA databases and resources, it will be necessary to develop appropriate interfaces to permit data transfer between the different databases and structures. It is the goal of the initiative to ensure that the end-user will only have to deal with the IAEA Knowledge Portal when accessing fast reactor data, information or knowledge. Therefore, the programme of the TM will include papers addressing the following topics:

- Existing relevant information/knowledge resources in the respective Member State;
- Compatibility of these resources with the structure of the IAEA Fast Reactor Knowledge Preservation System;
- Linking of these resources with the IAEA Fast Reactor Knowledge Portal;
- Development of the specifications for the interfaces and software tools required for the Fast Reactor Knowledge Portal.

4. PARTICIPATION

Participation is solicited from governmental, national and international organisations, research centres, universities, and industries. To ensure maximum effectiveness in the exchange of information, the participants should be persons actively involved in the subject of the meeting.

Participants should complete the attached Participation Form as soon as possible and send it to the competent official authority (ministry of Foreign Affairs or National Atomic Energy Authority) for transmission to the IAEA Secretariat, to arrive not later than **30 September 2006**.

The designation of a participant will be accepted only if forwarded by the Government of an IAEA Member State or by an Organisation invited to participate.

Please note that the participant and family member information requested on the Participation Form is needed by the host, Indira Gandhi Centre for Atomic Research (IGCAR), to comply with security requirements. This information should be provided as early as possible to facilitate orderly processing of meeting attendees by IGCAR security personnel.

The meeting is, in principle, open to all officially designated persons. The Agency, however, reserves the right to limit participation should this become necessary due to limitations imposed by the available seating capacity. It is therefore recommended that interested persons take the necessary steps to obtain their official designation as early as possible.

A preliminary meeting Agenda will be sent to the participants when the completed Participation Forms are received.

5. LOCATION OF THE MEETING

The meeting will be held at IAEA Headquarters in Vienna, Austria.

6. MEETING ORGANIZATION

Official correspondence with regard to the technical aspects of the meeting should be addressed to the Scientific Secretaries:

Mr. Alexander Stanculescu	Phone:	+43 1 2600 22812
Department of Nuclear Energy	E-mail:	A.Stanculescu@iaea.org
International Atomic Energy Agency	Fax:	+43 1 26007
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and

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Department of Nuclear Energy	E-mail:	A.Kossilov@iaea.org
International Atomic Energy Agency	Fax:	+43 1 26007
P. O. Box 100, Wagramerstrasse 5		
A-1400 Vienna, Austria		

Correspondence regarding the local arrangements should be addressed to:

Ms. Jasna Šegota	Phone	+43 1 2600 22865
	E-mail:	J.Segota@iaea.org
	Fax:	+43 1 26007

7. SUMMARIES AND PAPERS

The Participation Form (see attachment) should be submitted through the appropriate government channels with an indication of the intention to present a paper. Participation Forms must be transmitted to the Agency in time to reach the Agency by **30 September 2006**, together with a copy of a one-page abstract. The abstract will be used to select papers (based on coherence with the objectives and scope of the Technical Meeting, novelty and significance of results, clarity of presentation, etc.) and to establish the final programme. Authors will be notified of the status of their paper by the IAEA.

The submission of a paper implies that the author intends to participate in the meeting if the paper is accepted, and to provide the IAEA (Mr. A. Stanculescu) at the Technical Meeting with a camera-ready original of the paper for publication by the IAEA in the proceedings after the Technical Meeting. A digital version of the paper on a disk (or CD ROM) in MS Word format is desirable to facilitate editing and publication of the proceedings. All papers - apart from invited reviews - must present original work; they should not have been published elsewhere.

Detailed instructions for preparation of the manuscript for publication will be provided to authors upon notification of acceptance of their paper. Authors should bring to the meeting (or send in advance to the local organizing committee) 40 copies of their papers.

The time for presentation of papers will be limited to approximately 30 minutes in order to have sufficient time for discussions. Both an overhead and a video projector, and a screen for viewgraphs will be provided. Any additional equipment requirements should be noted on the attached Participation Form.

The meeting agenda will be provided to the participants sufficiently in advance of the meeting for them to plan their presentation.

8. WORKING LANGUAGE

The working language of the meeting will be English, with no interpretation provided. All communications, abstracts and papers must be in this language.

9. VISAS

Designated participants who need a visa for entering Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria as early as possible.

10. EXPENDITURES

No registration fee will be charged to the participants. The costs for the organization of the meeting are born by the IAEA.

The Agency is not in a position to bear the travel and other costs of designated participants in the Technical Meeting.

11. PROCEEDINGS

The proceedings of the meeting will be prepared by the Agency as soon as possible after the meeting.

12. LOCAL ARRANGEMENTS

The meeting venue, hotel reservation, and other necessary information will be sent to officially designated participants upon receipt by the IAEA of the Participation Form.

