

THE TECHNICAL WORKING GROUP ON RESEARCH REACTORS (TWGRR)

Mission, Objectives, Organization and Methods of Work

P. ADELFIANG

Research Reactors Group

Division of Nuclear Fuel Cycle and Waste Technology

IAEA

First Meeting of the TWGRR

Vienna, Austria, February 5-7, 2008



Outline

- ◆ Introduction
- ◆ Background
- ◆ Scope
- ◆ Functions
- ◆ Membership
- ◆ Chairmanship
- ◆ Methods of work and Deliverables
- ◆ Proposed methods of work for future meetings
- ◆ Expected output from this meeting



TWGRR INTRODUCTION

- ◆ New international collaborative undertaking under IAEA's Subprogramme D.2
- ◆ Group of experts to provide IAEA:
 - Advice and support programme implementation
 - Reflecting a global network of excellence and expertise in the area of RRs



TWGRR BACKGROUND

- ◆ Recommended by the International Conference on ‘Research Reactors Utilization and Spent Fuel Management’ November 2003
- ◆ The Standing Advisory Group of Nuclear Energy (SAGNE) recommended its implementation and highlighted its crosscutting nature



TWGRR SCOPE

- ◆ All types of RRs;
- ◆ Facilities for: RR fuel fabrication, RR fuel development, RR fuel post irradiation and RR spent fuel storage
- ◆ All managerial areas involved in those facilities;
- ◆ Wide range of technical areas covered by Subprogramme D.2
- ◆ Scope cuts across all pertinent IAEA structures dealing with RRs.



TWGRR FUNCTIONS

- ◆ Guidance on the Agency's activities covered by D.2
- ◆ Forum for information and knowledge sharing
- ◆ Identify relevant issues and topics which might increase cooperation among different RRs
- ◆ Link between the Agency's activities and national scientific communities
- ◆ Advice on organizing collaborative activities
- ◆ Encourage and facilitate regional and international collaborative programmes in RRs areas
- ◆ Develop and/or review documents from the Nuclear Energy Series



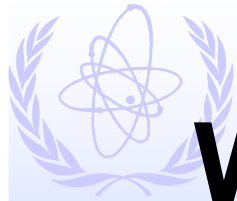
TWGRR FUNCTIONS

- ◆ Identify important topics for discussion at SAGNE
- ◆ Guidance to MS to improve utilization of RRs
- ◆ Identify issues and topics to increase cooperation among different RRs
- ◆ Encourage and facilitate regional and international collaborative programmes
- ◆ Propose the realization of events for the exchange of information in all RR areas
- ◆ Address the projected needs for RRs on a global and regional basis with a long-term time horizon
- ◆ Encourage participation of young professionals, as appropriate, in Agency activities



TWGRR MEMBERSHIP

- ◆ Members appointed by the DDG NE;
- ◆ Recognized experts that worked with RRs
- ◆ Appropriate representation from all RR areas and users
- ◆ Membership shall not exceed 20
- ◆ Participate in their personal capacity as experts
- ◆ Members will normally serve for at least four years



TWGRR METHODS OF WORK AND DELIVERABLES

- ◆ Will determine its own methods of work: agenda and keeping of records
- ◆ Activity between periodic meetings coordinated by the Scientific Secretary
- ◆ Meet at regular intervals (no more than once in a year and up to 5 days)
- ◆ Provide DDG NE with a report on achievements and recommendations
- ◆ Chairman communicates to SAGNE recommendations for strategic development and topics to be discussed at SAGNE meetings



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS



- ◆ Work in two stages:
 - Stage 1 Meeting work
 - Stage 2 Between-Meetings work



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS



- ◆ Meetings to include four types of sessions:
 - Organization/Administrative sessions
 - General (issues and trends) sessions
 - Topical sessions
 - Drafting of recommendations and strategic orientation and reporting



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS

Organization/Administrative Sessions

- ◆ Welcoming / Opening address
- ◆ Chairperson introductory remarks
- ◆ Introduction of participants
- ◆ Adoption of the Agenda
- ◆ Administrative remarks
- ◆ TWGRR Terms of Reference
- ◆ TWGRR Organization
- ◆ P&B presentations and updates on IAEA's activities



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS

General (issues and trends) Sessions

- ◆ Issues and trends selected in previous meeting
- ◆ Structured approach:
 - Members reply to a pro forma asking for specific data
 - Data sets are then summarized by a rapporteur
 - More time left to discuss selected projects and areas
- ◆ Contributions of issues and trends submitted by members in advance in a prescribed format
- ◆ A session rapporteur captures discussions and recommendations



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS

Topical Sessions

- ◆ Scientific Secretary from IAEA staff
- ◆ Rapporteur from TWGRR members
- ◆ Rapporteur presents TWGRR views on topic
- ◆ Scientific Secretary presents IAEA current activities / future programme orientations on topic
- ◆ Discussion
- ◆ Summing up / Recommendations
- ◆ A session rapporteur captures discussions and recommendations



PROPOSED METHODS OF WORK FOR FUTURE MEETINGS

Drafting of Recommendations and Strategic Orientation and Reporting

- ◆ Presentations by session rapporteurs
- ◆ Discussion
- ◆ Summing up / Recommendations
- ◆ Draft conclusions/recommendations and prepare TWGRR report
- ◆ Strategic orientations for future P&B
- ◆ Reporting to the DDG-NE and SAGNE
- ◆ Proposals for next TWGRR meeting



EXPECTED OUTPUT FROM THIS MEETING

- ◆ Mainly formulation of the operating mechanisms and structure of the TWGRR for 2009 and beyond
- ◆ Comprehensive chairperson's report including:
 - Format for future meetings (Secretariat proposal)
 - Topics for topical sessions at TWGRR 2009
 - TWGRR contributions to the 2009 meeting
 - Date of the 2009 meeting
 - Preparation of the questionnaire
 - Appointment of the different rapporteurs
 - Discussion on activities in P&B 2008-2009
 - Discussions on proposals for P&B 2010-2011



THANK YOU FOR YOUR
ATTENTION!

THE RESEARCH
REACTORS TEAM





PABLO ADELFGANG



EDWARD E. BRADLEY JR



IRA N. GOLDMAN



DARIO O. JINCHUK

IAEA, Vienna



REENA THOTTAKKARA

2/19/2008



BEKHZAD YULDASHEV

19