

# Technical Working Group on Research Reactors (TWGRR)

February 9-11, 2009  
Vienna, Austria

Programme & Budget  
Subprogramme 1.4.2 (D.2)  
Research Reactors  
Cycle 2010 - 2011



**IAEA**

International Atomic Energy Agency

# Subprogramme

Responsible Officer – Pablo Adelfang

## Projects

- 1.4.2.01 - Enhancement of utilization and applications of research reactors
- 1.4.2.02 - Research reactor infrastructure, planning, and innovation
- 1.4.2.03 - Addressing research reactor fuel cycle issues
- 1.4.2.05 - Research reactor operation

# Subprogramme

## Changes from cycle 2008-2009

- Projects phased out - 1.4.2.4-Facilitating transfer of know-how on decommissioning of research reactors and irradiated core
- Activities cancelled - 1.4.2.3/11-Organize an international training course on research reactor core conversion from HEU to LEU using very high density U-Mo fuels (2009)
- Activities completed - 1.4.2.5/01-Prepare a technical document on research reactor availability and reliability

# Project 1.4.2.01 - Enhancement of RR utilization and applications

Responsible Officers – Danas Ridikas and Ira Goldman  
2010

- CS – RR networks & coalitions
- CS – RR Users' network coordination
- CS – Increased neutron fluence
- TM – RR applications for materials in energy sector
- TM – RR products and services catalogue
- CS – Organize international RR conference
- TR – Use of intense neutron fluxes
- CS – Report on utilization of RRs to support RR and NPP management

2011

- CS – RR networks & coalitions
- TM & final report – RR Users' network, "Use of RR by not host member state"
- RCM – Materials testing
- RCM and report – Increased neutron fluence
- Final report – RR applications for materials in energy sector
- TM & final report – RR products and services catalogue
- CN – International RR conference
- CS – Report on utilization of RRs to support RR and NPP management

# 1.4.2.02 - RR infrastructure, planning, and innovation

Responsible Officers – Ed Bradley and Danas Ridikas  
2010

- Workshop on RR infrastructure, including New RR projects
- M&R Technical Meeting (combined with Ageing)
- CS on RRDB
- RCM – Homogeneous reactors
- RCM – Innovative methods of RR analysis
- TM – RR support of innovative NPPs & fuel cycles

2011

- Workshop on RR infrastructure including New RR projects
- Update M&R document (if recommended)
- Report – Homogeneous reactors
- Report – Innovative methods of RR analysis
- CS and final report – RR support of innovative NPPs & fuel cycles

# 1.4.2.03 - Addressing RR fuel cycle issues

Responsible Officer – Pablo Adelfang

2010

- CS – Data collection & evaluation for update of core conversion guidebook
- CS – Document good practices: RR spent fuel management and storage
- TR – Collaborative activity on ADS use of LEU
- TM – TWGRR
- RCM – Small scale indigenous production of Mo-99 using LEU or neutron activation
- RCM – Conversion of MNSRs to LEU

2011

- CS – Update of core conversion guidebook
- Final document – Good practices: RR spent fuel management and storage
- Report / TECDOC – ADS use of LEU
- TM – TWGRR
- RCM & draft report – Small scale indigenous production of Mo-99 using LEU or neutron activation
- Final report – Conversion of MNSRs to LEU

# 1.4.2.05 - RR operation

Responsible Officer – Ed Bradley

2010

- CS – Technical report on RR integrated management systems
- TM – RR Ageing management
- RCM - On-line monitoring systems

2011

- Final report – RR Integrated management systems
- CS and final report – RR Ageing management
- RCM report - On-line monitoring systems

# Thank You

For your attention