



**IAEA**

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# IAEA Endeavours in Radioecology and Environmental Protection

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The International Atomic Energy Agency is the world's central intergovernmental forum for scientific and technical co-operation in the nuclear field. It works for the safe, secure and peaceful uses of nuclear science and technology, contributing to international peace and security and the United Nations' Sustainable Development Goals.

# MODARIA II programme

## Proposed topics:

- Remediation and decision making;
- Exposures in urban and rural environments following accidents;
- Modelling radionuclide releases to the environment;
- Analysis and evaluation of radioecological data, including radionuclide transfer in tropical and sub-tropical environments;
- Radiation exposures and effects on wildlife;
- Biosphere modelling for long-term safety assessments of waste disposal facilities;
- Marine modelling.

**First technical meeting 31 Oct. – 4 Nov 2016**

**(deadline 19 Sept!)**

# RESRAD courses

- Joint with US State Department
- 2-week course on all RESRAD models
  - Week 1: radioecology and RESRAD-BIOTA
  - Week 2: RESRAD ONSITE, OFFSITE, BUILD, RDD
- 3<sup>rd</sup> course in 2017:
  - 2014: Europe
  - 2015: Asia-Pacific
  - 2017: Africa and Latin America

# Future of RESRAD course

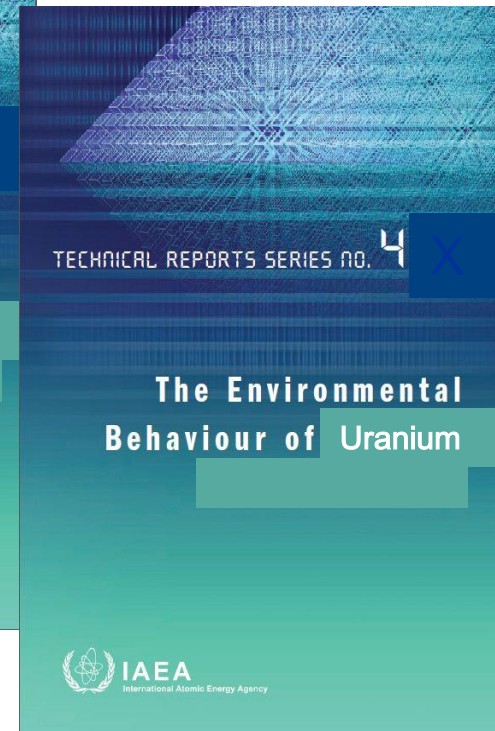
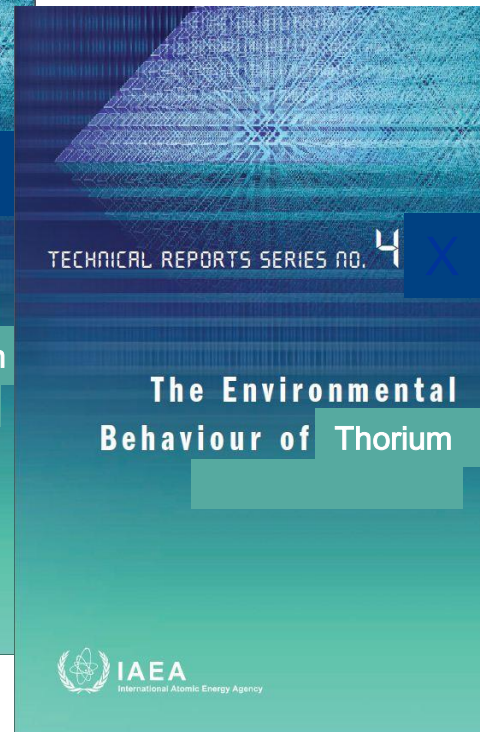
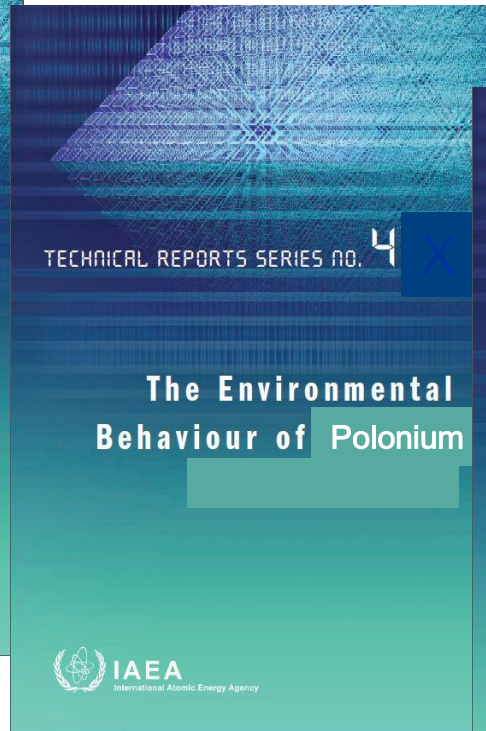
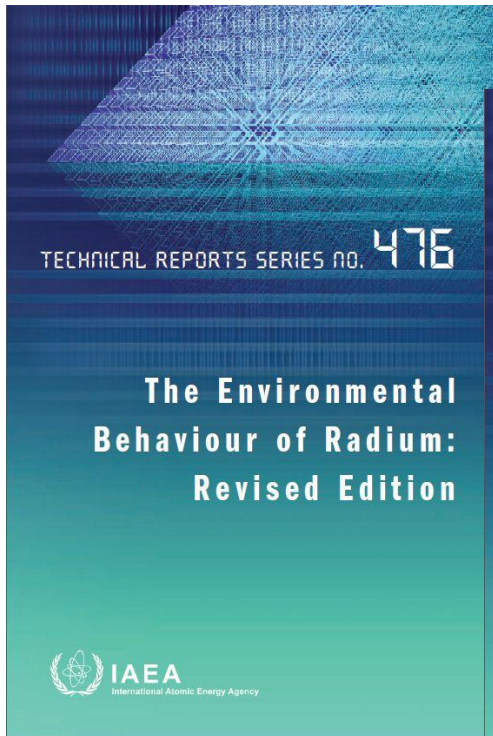
- Looking for hybrid course, in 2018 or 2019
  - Radioecology basics
  - RESRAD
  - ERICA
- Co-funding:
  - IAEA
  - US State Department
  - IUR/STAR

Still in discussions / idea stage !

# Technical Cooperation (TC)

- RAS7028 – Enhancing Regional Capabilities for Marine Radioactivity Monitoring and Assessment of the Potential Impact of Radioactive Releases from Nuclear Facilities in Asia-Pacific Marine Ecosystems (RCA) 2016-2019
  - Australia, Bangladesh, China, India, Indonesia, Japan, Cambodia, Malaysia, Mongolia, Myanmar, New Zealand, Pakistan, Philippines, Palau, Korea (Rep. of), Sri Lanka, Thailand, Viet Nam
- FIJ7001 – Establishing an Environmental Monitoring Laboratory for the Protection of the Marine Coastal Resources in the Context of Mining
- MHL7001 – Developing a National Radioactivity Monitoring Capacity
- SIN9022 – Strengthening Capacity in Radiation Protection and Radiation Monitoring
- Collaboration with Australia (ANSTO), Thailand, Philippines, French Polynesia
  - In the past, establishment of biomonitoring programme for Ni-Mining-ores by-product contamination of the lagoon in New Caledonia (REL – lab and field assessment ; lab with radioisotopes).

# Radionuclide Series



SPERA conference  
Wednesday, 7 Sept. @ 12:00



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*Thank you!*

