MODARIA

Current status

Ms Jane R. Simmonds
MODARIA Chair, United Kingdom
69. Encourages the participation of Member States in the *Modelling and Data for Radiological Impact Assessments (MODARIA)* programme to foster, develop and maintain capabilities in assessing radiological impacts from radionuclides being released or extant in the environment;
Previous Technical Meetings

1\textsuperscript{st} Meeting November 2012
- 151 participants
- 43 Member States

2\textsuperscript{nd} Meeting November 2013
- 153 participants
- 43 Member States

3\textsuperscript{rd} Meeting November 2014
- 150 participants
- 38 Member States
The new Scientific Secretary for WG3 is Ms Michelle ROBERTS, who joined the Agency in mid-October.

Michelle has experience in Uranium mining as both a regulator and an operator.

Michelle’s experience extends to environmental operational and regulatory aspects as well as critical risk management of uranium processing.

Jim Walker has left the Agency so Gerhard Proehl is now Scientific Secretary for WG7.
2015 MODARIA Interim Working Group Meetings

- **Working Group 1: Remediation strategies**
  - 22–26 June 2015, EDF CIDEN, Lyon, France (including a site visit to the Creys-Malville facility)

- **Working Group 2: Urban Environments**
  - 1–3 June 2015, IAEA Headquarters, Vienna

- **Joint Working Group 3: NORM and Legacy Sites & Working Group 10: Modelling Marine**
  - 17–19 June 2015, University of Seville, Spain
2015 MODARIA Interim Working Group Meetings

• Joint Meeting of Working Group 4, Working Group 8 & STAR Project Meeting
  • 20–21 April 2015

• Working Group 4: Radioecological Data
  • 22–23 & 24 April 2015

• Working Group 8: Biota Modelling
  • 22–23 April 2015

• All at IAEA Headquarters, Vienna
2015 MODARIA Interim Working Group Meetings

• Working Group 5: *Routine Discharges*
  • 20–24 April 2015, EDF CIDEN, Lyon, France (including a site visit to the Bugey NPP)

• Working Group 6: *Waste Disposal Facilities*
  • 1–3 June 2015, CIEMAT, Madrid, Spain

• Working Group 7: *Accidental Tritium Releases*
  • 22–26 June 2015, IAEA Headquarters, Vienna

• Working Group 9: Effects on Wildlife
  • 30 June – 2 July 2015, IAEA Headquarters, Vienna
Developments since last meeting

• IAEA published a comprehensive report on the Fukushima Daiichi Accident in 5 Volumes:
  • WG 1: Description of the Accident
  • WG 2: Safety Assessment
  • WG 3: Emergency Preparedness and Response
  • WG 4: Radiological Consequences
  • WG 5: Post-Accident Recovery
• Presentation on Tuesday on this report.
Developments (2)

- IAEA Safety Standards for protection of the public and the environment.
- Presentation on Tuesday will address the work being carried out to produce updated guidance.
Future Work

• Production and publication of final reports of the MODARIA working groups.

• Development of a programme for MODARIA II
  • Proposals submitted to secretariat
  • Discussion of proposals in plenary session on Wednesday
  • Programme developed first half of 2016

• Strong focus on models and applications to support regulatory requirements.
MODARIA II – General areas for consideration

Assessing radiological impacts for regulatory purposes

- Routine discharges
- Accidental releases
- Remediation of existing contaminations
- Long-term safety studies for waste disposal facilities

Scientific and public interest

- Long-term behaviour of radionuclides in the environment
  - Tritium
  - Marine systems
- Retrospective doses assessment
1st Technical Meeting of MODARIA II

Vienna

31 October - 4 November 2016
Reception

Tonight @ 17:30
M-Building,
2nd floor
Just outside Board Room A