MODARIA
Modelling and Data for Radiological Impact Assessment

Current status

3rd Technical Meeting
Vienna, 10-14 November 2014
60. Encourages the participation of Member States in the Modelling and Data for Radiological Impact Assessments (MODARIA) programme, launched in November 2012 to foster, develop and maintain capabilities in assessing radiological impacts from radionuclides being released or extant in the environment;
1\textsuperscript{st} and 2\textsuperscript{nd} Technical Meetings

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

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

IAEA
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<th>WG</th>
<th>Topic</th>
<th>Location</th>
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<td>Remediation strategies</td>
<td>Prague</td>
<td>23-27 June</td>
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<td>Urban environments</td>
<td>Vienna</td>
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<td>NORM and legacy sites</td>
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<td>Routine discharges</td>
<td>Bratislava</td>
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<td>Waste disposal facilities</td>
<td>Bristol</td>
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<td>Accidental tritium releases</td>
<td>Cherbourg</td>
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<td>Biota modelling</td>
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<td>Effects on wildlife</td>
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<td>Marine modelling</td>
<td>Monaco</td>
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Changes to Scientific Secretaries

• **Russel Edge** left the Agency replaced as Scientific Secretary for WG 3 by **Ron Stenson**

• **Hartmut Nies** left IAEA Monaco – Scientific Secretary for WG 10 is **Iolanda Osvath**

• **Jim Walker** joined the Agency - now Scientific Secretary for WG 7 “Accidental Tritium Releases”
Status of reports from EMRAS II

- WG 8: Environmental Sensitivity
  *Environmental sensitivity in nuclear emergencies in rural and semi-natural environments Published as TECDOC 1719*

- WG 6: Biota Dose Modelling
  *Modelling of biota dose effects, Published as TECDOC 1737*

- WG 7: Tritium Accidents
  *Transfer of tritium in the environment after accidental releases from nuclear facilities, Published as TECDOC 1738*

*Other reports in preparation and over 40 papers published.*
Other developments since last meeting

• Publication of UNSCEAR report
  • Levels and effects of radiation exposure due to the nuclear accident after the 2011 great east-Japan earthquake and tsunami. UNSCEAR 2013 Report to the General Assembly, Volume 1 Scientific Annex A, UN, 2014 (www.UNSCEAR.org)
Developments (2)

- IAEA to produce 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
Developments (3)

- Publication by the International Commission on Radiological Protection
  - Protection of the environment under different exposure situations ICRP Publication 124 (www.icrp.org)
  - Presentation on Wednesday will address the implementation of this publication into IAEA Safety Guides
4th Technical Meeting of MODARIA

Vienna

9 - 13 November 2015