Updates from WHO Radiation Programme’s Activities in the EPR area

Dr Zhanat Carr

The 5th meeting of EPRESCEPRES
08-09 Nov, 2017 – IAEA, Vienna
NEW CLUSTER!!!

Climate Change and Other Determinants of Health

Public Health, Environmental and Social Determinants of Health (PHE)

PROGRAM

- Radiation Health
- Occupational Safety
- Chemical Safety
- Water and Sanitation
- Climate Change
- Indoor Air Quality
- Children Environment
- Social Determinants of Health
WHO's Relevant Emergency Networks


- **WHO BioDoseNet** (since 2007)
  - Global Network of Biodosimetry Laboratories
  - some 90 labs world-wide

- **INFOSAN** – WHO-FAO joint network of national food authorities

- **Public health emergency operations centres network (EOC-NET)** 38 MS
  
Three Key Functions of REMPAN

- Technical support to WHO in response to actual radiological and nuclear emergencies
- Strengthening national and regional preparedness to radiation emergencies
  - Technical guides/tools development
  - Trainings and workshops
  - Exercises
  - Information sharing platform
- Technical support of activities aimed at implementation of International Health Regulations in the area of radiation emergencies
  - IHR Emergency Committee roster
  - JEE expert roster
WHO Strategic Partnership Portal (SPP)

A one-stop, Web-based, interactive portal for multisectoral donors and partners that facilitates the sharing and exchange of information:

https://extranet.who.int/spp/jee-dashboard
2017 (28 countries):  Belgium (June 19-23), Benin (May 22-26), Chad (August 7-11), Comoros (August 20-25), Finland (March 27-31), Ghana (February 6-10), Guinea (April 23-28), Kenya (February 27-March 3), Kuwait (14-18 May), Latvia (May 8-12), Lao PDR(February 17-24), Lesotho (July 10-14), Madagascar (July 10-14), Maldives (March 6-10), Mali (June 26-30), Mauritania (March 27-31), Mongolia (May 12-19), Myanmar (May 3-9), Nigeria (June 11-20), Oman (April 02-06), S.Korea (August 28- September 02), Saudi Arabia (March 12-16), Slovenia (June 5-9), Sri Lanka (June 19-23), Thailand (June 26-30), Uganda (June 26-30), United Arab Emirates (March 19-23), Tanzania (Zanzibar) (April 23-28), Zambia (August 7-11).

2016 (28 countries):  Afghanistan (December 5-9), Albania (September 5-9), Armenia (August 15-19), Bahrain (September 4-8), Bangladesh (May 8-12), Belize (July 4-8), Cambodia (September 26 – October 3), Côte d'Ivoire (December 5-9), Eritrea (October 3-7), Ethiopia (February 29 – March 4), Jordan (August 28 – September 1), Kyrgyzstan (November 28 - December 2), Lebanon (July 11-15), Liberia (September 5-9), Morocco (June 20-24), Mozambique (April 18-22), Namibia (November 28 - December 2), Pakistan (April 26 - May 6), Qatar (May 29 - June 2), Senegal (November 28 - December 2), Sierra Leone (October 31 – November 4), Tunisia (November 28 - December 2), Somalia(September 25-30), Sudan (October 9-13), Turkmenistan (June 6-10), Tanzania (February 22-26), United States of America (May 23-27), Viet Nam (November 1-6).
## Upcoming JEE Missions (as of Oct.2017, provisional)

<table>
<thead>
<tr>
<th>Region</th>
<th>Country</th>
<th>Year</th>
<th>Quarter</th>
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<tbody>
<tr>
<td>AMRO</td>
<td>Canada</td>
<td>2018</td>
<td>Q1</td>
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<tr>
<td>EURO</td>
<td>Bulgaria</td>
<td>2018</td>
<td>Q3 or Q4</td>
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<tr>
<td>EURO</td>
<td>Liechtenstein</td>
<td>2017</td>
<td>Oct 30 – Nov 03</td>
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<td>EURO</td>
<td>Netherlands</td>
<td>2018</td>
<td>TBC</td>
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<td>EURO</td>
<td>Switzerland</td>
<td>2017</td>
<td>Oct 30 – Nov 03</td>
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<td>SEARO</td>
<td>Indonesia</td>
<td>2017</td>
<td>Nov 19-24</td>
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<tr>
<td>WPRO</td>
<td>Australia</td>
<td>2017</td>
<td>Nov 24- Dec 01</td>
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<tr>
<td>WPRO</td>
<td>Japan</td>
<td>2018</td>
<td>Feb 26 – Mar 02</td>
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<tr>
<td>WPRO</td>
<td>New Zealand</td>
<td>2018</td>
<td>Q4</td>
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<tr>
<td>WPRO</td>
<td>Philippines</td>
<td>2018</td>
<td>NEW May 10-17</td>
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<tr>
<td>WPRO</td>
<td>Singapore</td>
<td>2018</td>
<td>Apr 16-23</td>
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<td>REMPAN experts supporting JEE</td>
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<tr>
<td>Chunsheng Li</td>
<td>Canada</td>
<td>Research Scientist</td>
<td>Health Canada</td>
</tr>
<tr>
<td>Jean-Francois Lafortune</td>
<td>Canada</td>
<td>General Manager</td>
<td>International Safety Research Inc. (ISR)</td>
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<tr>
<td>Fahad Mohamed Al Blooshi</td>
<td>UAE</td>
<td>Manager, Emergency Preparedness &amp; Response</td>
<td>Federal Authority for Nuclear Regulation (FANR)</td>
</tr>
<tr>
<td>Mohammed RBAI</td>
<td>Moroccan</td>
<td>Head of Health Security and Surveillance Division</td>
<td>Military Health Services, Royal Armed Forces Morocco</td>
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<tr>
<td>Wael Elkhouly</td>
<td>Egyptian</td>
<td>Head of Safety Sector of Radiation Facilities &amp; Sources</td>
<td>Egyptian Nuclear and Radiological Regulatory Authority</td>
</tr>
<tr>
<td>Nick Gent</td>
<td>British</td>
<td>Senior Medical Specialist</td>
<td>Public Health England</td>
</tr>
<tr>
<td>Andrey Bushmanov</td>
<td>Russia</td>
<td>Physician</td>
<td>Federal medical-Biological Agency</td>
</tr>
<tr>
<td>Christophe Murith</td>
<td>Switzerland</td>
<td>Head of Section</td>
<td>Swiss Federal Office of Public Health</td>
</tr>
<tr>
<td>Makoto Akashi</td>
<td>Japanese</td>
<td>Executive Officer</td>
<td>National Institutes for Quantum and Radiological Science and Technology (QST)</td>
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<tr>
<td>Alexandre de Ruvo</td>
<td>French/Italian</td>
<td>Higher Radiation Protection Scientist</td>
<td>Public Health England</td>
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<td>Wolfram Rother</td>
<td>German</td>
<td>Radiation protection officer</td>
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<tr>
<td>Zhanat CARR</td>
<td>Kazakhstan</td>
<td>Scientist</td>
<td>Radiation Programme, FWC/PHE/IHE, WHO HQ</td>
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Development of technical tools/reports

- Policy Briefing on Public Health Response to radiological or nuclear emergency will be developed (2018)
  - elaboration on the requirements from GSR Part 7

- WHO guidelines on iodine thyroid blocking (ITB)
  - In press, Nov 2017
  - Infographics, FAQs will follow the publication

- KI national policies 2016-17 survey report
  - draft report is available, will be circulated for comments to all contributors to the survey
  - A paper in RPD journal in 2018, then as a WHO technical report

- Risk communication tool for radioactively contaminated food – draft developing is at the final stage
Rad-Nuc EPR-related activities in the second half of 2017

- The 4th EPReSC meeting – June 2017
- The 15th meeting of the WHO REMPAN network members – Geneva, July 2017
- HERCA WG on Emergencies meeting – Oslo, Sept 2017
- The 5th Advanced Course on Case Management and Medical Response to Radiation Emergencies – Stockholm, October 2017
- The 42nd Meeting of the Working Party on Nuclear Emergency Matters – Paris, October 2017
- Revision of the IHR Annual Monitoring Tool – circulated to WHO Regional Offices and key stakeholders for comments – Sept-Oct 2017
- EUROSAFE meeting in Paris – 07 Nov
15th Coordination meeting of WHO REMPAN
3-5 July, 2017- Geneva, Switzerland

• was held at the WHO HQ, marking the 30th anniversary of network
• attended by some 100 participants from 30 countries
• meeting’s proceedings are being prepared, to be published in RPD journal next year
• REMPAN webpage http://www.who.int/ionizing_radiation/a_e/rempan/en/
**Key issues addressed:**

- Regional JEE reports, hosting and evaluating experts views
- Fukushima survey updates, thyroid screening situation
- Long-term medical follow up criteria, practices, pros and cons, lessons
- Non-radiological health impact management
- Emergency risk communication
- Countermeasures development R&D

**Proceedings** will be published in 2018 as a special issue of RPD journal
WHO-NEA cooperation on non-radiological health effects of radiation emergencies

- Proposal of Germany to the WPNEM (NEA/OECD) and to WHO at the 42nd meeting of the WPNEM in Paris
  - BfS is WHO’s Collaborating Center and currently undergoing re-designation process for next 4 years, ToR are being reviewed and updated

- A two-phase project being currently discussed
  - Year 1: Development of a policy framework document on application of WHO guidelines on mental health in emergencies to the setting of nuclear emergencies, to support decision making.
  - Year 2: Development of practical arrangements to support emergency response planners and managers to provide tools for efficient mitigation of psychosocial impact

- Year 3: a joint workshop is envisioned
UPCOMING EVENTS

- ITB guideline publication and launch – Nov 2017
- JEE mission to Indonesia – 19-24 Nov 2017
- IACRNE meeting – Brussels, 27-29 Nov
- Regional training programs held by WHO Collaborating Centres
  - 3rd Asian REMPAN workshop Seoul, Korea –Q1 of 2018
- The 5th WHO BioDoseNet laboratories network meeting – Munich, June 2018
- Co-sponsorship of the regional IRPA conferences in 2018
- Co-sponsorship of the IRPA-15 Congress in 2020 in Seoul, Korea
- The 16th meeting of WHO REMPAN in 2020 in Seoul, Korea