Updates from the WHO Radiation Programme

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The 9th EPRSSC meeting – 04 December 2019 – Vienna
Global Programme of Work - (GPW 13) is WHO’s new 5-year strategy

- Aligns all work with the Sustainable Development Goals (SDGs)
- Establishes a clear mission
- Sets 3 strategic priorities attached to ambitious goals

...to focus our work on impact at country level
Global Programme of Work – GWP-13 for 2019-23

Who we are

What we will do

How we will do it

Transformation agenda

Who we are

What we will do

How we will do it

Transformation agenda
## IHR Monitoring and Evaluation Framework

<table>
<thead>
<tr>
<th></th>
<th>States Parties self-assessment annual reporting (SPAR)</th>
<th>After action reviews (AAR)</th>
<th>Simulation exercises (SimEx)</th>
<th>Voluntary External Evaluations</th>
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</thead>
<tbody>
<tr>
<td><strong>Purpose</strong></td>
<td>Monitor progress towards implementation of IHR core capacities</td>
<td>Assess the functionality of capacities during real events</td>
<td>Assess the potential functionality of capacities for non-real events</td>
<td>Evaluates objectively IHR contribute to health security</td>
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<tr>
<td><strong>Mandate</strong></td>
<td>Mandatory</td>
<td>Voluntary</td>
<td>Voluntary</td>
<td>Voluntary</td>
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<tr>
<td><strong>Focus</strong></td>
<td>Existence of capacities</td>
<td>Functionality of capacities</td>
<td>Functionality of capacities</td>
<td>Existence of capacities</td>
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<tr>
<td><strong>Periodicity</strong></td>
<td>Annually</td>
<td>Within 3 months of specific real events</td>
<td>Regularly when required as part of the exercise programme</td>
<td>Every 4-5 years</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Quantitative</td>
<td>Qualitative</td>
<td>Qualitative</td>
<td>Quantitative</td>
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Status of the implementation of IHR MEF in 196 State Parties (29 Nov 2019)

- 111 Joint External Evaluation
- 121 Simulation Exercises
- 59 After Action Reviews
- 65 National Plans for Health Security
- 29 One Health National Bridging Workshops
- 19 Resource Mapping
Radiation and Health Team (RAD)

- Located within the Division of Healther Populations (HEP) – led by the Assistant Director General, Dr Naoko YAMAMOTO

- Within the Department of Public Health, Climate Change and Environment (PHE) – Director – Dr Maria NEIRA

- RAD Team consists of three staff dealing globally with
  - Non-ionizing radiation (EMF, UV, mobile phones, etc.)
  - Ionizing radiation (natural, planned, accidental)

- Backstopping for 6 Regional offices and 150 Country Offices

- Supports WHO Work in Health Emergencies (WHE Division)

- WHO focal point for IEC/IAEA and other stakeholders in the area of RN emergencies
International Partnerships

- Relevant UN agencies and other IOs - members of the Inter-Agency Committee for Radiological and Nuclear Emergencies (IACRNA)

- Member/observer organization of IAEA’s EPRSSC

- Member of NEA’s CRPPH / and Working Party on Nuclear Emergency Matters - WPNEM

- Global Health Security Initiative (GHSI) WG on Radiological and Nuclear Emergencies

- Regional partnerships (HERCA WE, NERIS, RENEB etc.)

- NGOs and professional societies (ICRP, IRPA, etc.)

- WHO Collaborating Centres and expert networks
WHO's Relevant Emergency Networks


- **WHO BioDoseNet** (since 2008)
  - Global Network of Biodosimetry Laboratories
  - some 90 labs world-wide

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

- Public health emergency operations centres network (EOC-NET) in 40+ member states
WHO-NEA cooperation on non-radiological health effects of radiation emergencies

- Working Party on Nuclear Emergency Matters (NEA/OECD) and WHO agreed to develop a joint project addressing management of psycho-social impact on radiological and nuclear emergencies.

- A two-phase project
  - Phase 1: Development of a policy framework document based on the WHO guidelines on mental health to radiation emergencies (2018-19)
  - Phase 2: Development of practical arrangements to support emergency response planners and managers to provide tools for efficient mitigation of psychosocial impact (WPNEM-led task, 2019-20)

- Draft development:
  - First draft was circulated for comments in August 2019
  - Feedback collected by end September 2019

- Joint NEA-WHO workshop will be organized in Munich, **18-20 March 2020**
Draft development main steps:

- Consultant contracted to draft the 1st version by Dec 2018.
- First round of pre-review amongst a small circle of experts Jan-Mar 2019.
- Draft updated and circulated for peer-review in July 2019 with the deadline of 30 Sept 2019.
  - WHO global expert network REMPAN (100+ members)
  - Inter-Agency Committee for Radiological and Nuclear Emergencies (IACRNE)
  - NEA’s WPNEM members
  - HERCA WGE members
  - Mental health professionals community
- The meeting of the NEA’s EGNR was held Paris 05 Nov 2019
- Incorporation of comments, finalizing the draft – Nov-Dec 2019
- Development of graphics, editing – Jan-Feb 2020

Photo: NEA/EGRN members, 04.11.2019
Feedback received

- EGNR Secretariat
- WHO Secretariat
- WHO REMPAN members
- IFRC
- Canada (Health Canada)
- Germany (academia, BfS)
- Japan (FMU)
- India (MoH)
- Ireland (IRP)
- Italy (academia)
- Norway (ex-NRPA)
- Romania (Natl. Inst. for Public Health)
- Russian Federation (ARCRM, URSRM)
- The Netherlands (academia)
- UK (PHE, Warwick University)
- Ukraine
Key comments/suggestions

- To include a short info on radiological effects
- To use case-studies in boxes from Chernobyl and Fukushima, use other types of emergencies (e.g. Ebola experience) as examples
- To provide concrete examples of various types of psychological support interventions
- To include graphics and flow-charts (e.g. types of accidents, phases of emergencies, etc.)
- To simplify the structure of the document
- To use consistent vocabulary, align with GSR Part 7
- To elaborate how to build up resilience prior to an accident, how to build trust with affected communities
- To add a section on risk communication
- To reflect the effects of socio-economic aspects, e.g. compensations, on psycho-social consequences
- To consider scenario-based interventions (generic vs. scenario specific)
2017 WHO Guidelines on ITB

http://www.who.int/ionizing_radiation/pub_meet/iodine-thyroid-blocking/en/
ITB Guidelines Translations

Japanese
Spanish
Chinese
Russian (end 2019)
WHO-CDC-China National Training Course on Medical Response to Radiological and Nuclear Emergencies

- Held in Hainan / China on 22-25 October 2020
- Attended by more than 60 medical specialists from 31 provinces
- Included in the scope main principles of diagnosis and clinical management of over-exposure to ionizing radiation, e.g. acute radiation syndrome, local injuries, internal contamination, as well as psycho-social effects management and risk communication
WHO REMPAN Webinar Series

- The 1st Webinar – 03/2018 on public health impact of a nuclear detonation
  - Link to the recording: https://goo.gl/RwkYw9

- The 2nd Webinar – 09/2018 on radiation and thyroid cancer
  - Webcast link: https://goo.gl/MDB4E3

- The 3rd Webinar – 04/2019 on Mental Health impact of nuclear emergencies
  - Webcast link: https://bit.ly/2X4TFtH

- The 4th Webinar – 11/2019 on Hospital Preparedness for RN emergencies

- The 5th Webinar – 04/2020 on Clinical Management of Acute Radiation Syndrome
Upcoming events


- The 16th WHO REMPAN meeting – 12-14 May 2020, Seoul, Republic of Korea

- The 15th IRPA Congress – 11-14 May 2020, Seoul, Republic of Korea
  - WHO co-sponsorship and involvement in the International Scientific Programme committee
  - Joint sessions with other IOs and with WHO REMPAN
  - Website: [https://www.irpa2020.org/](https://www.irpa2020.org/)
  - Poster submission deadline – 31 Dec 2019

- WHO BioDoseNet 6th Coordination meeting – Japan, Nov 2020
The 16th meeting of WHO REMPAN

- To be held on 12-14 May 2020 at COEX center in Seoul, Republic of Korea as a satellite event of the IRPA-15 Congress (11-15 May 2020)

- Hosted and sponsored by Korean Institute for Radiological Medical Sciences (KIRAMS) – a WHO Collaborating Center

- Programme Committee is developing a comprehensive and exciting programme of the meeting, includes a Special Joint session with IRPA

- Usually attended by 100-120 experts in radiation emergency medicine, radiobiology, radiation dosimetry and epidemiology, radiation protection and health physics.
Topics of interest for future cooperation

- Assessment and management of internal contamination with trans-uranium elements
  - Evidence-based clinical case management protocol

- Update of the 2011 global consensus protocol on clinical management of acute radiation syndrome

- Update of the 2007 WHO report on setting up stockpiles for radiological and nuclear emergencies

- Long-term follow up of populations affected by nuclear accidents
  - Standard criteria for individuals to be followed-up do not exist
  - Clinical protocols, duration, resource allocation decision support, etc.

- Development of a strategic research agenda on medical countermeasures development
Thank you!

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