NEA activities of interest for the EPReSC

Item 8 – Reports from International Organisations

Olvido Guzmán
CRPPH/WPNEM Secretariat

6th EPReSC Meeting, Vienna, 12-14 June 2018
CRPPH identified priorities

Committee on Radiological Protection and Public Health

CRPPH

- Expert Group on International Recommendations (EGRIR)
- Expert Group on Legacy Management (EGLM)
- Expert Group on Recovery Management (EGRM)
- Expert Group on experience in the ICRP dose limit lens of the eyes (EGDLLE)
- High-level Group on Global Low-Dose Radiation Protection (HLG-GLDRP)
- Ad-hoc Group on Radiation Risk and Communication (EGRRC)

Working Party on Nuclear Emergency Related Matters (WPNE)

- Expert Group on communication platforms.
- Expert Group on Radiological Public Health Aspects of Radiation.
- Expert Group on building nationally adapted frameworks for recovery
- Expert Group on benchmarking on dose projection code outputs
- Update WPNE member country Protective Measures Handbooks.
- Involvement of decision-makers in protective action strategy.
- EGRIR on update of ICRP 109, 111 (EPR and recovery).

Other activities
- Joint NEA-OCDE/EC/IJC Workshop 2020
- Joint NEA-WHO Workshop
- Possible Joint CRPPH-OLC Workshop

Tri-bureau WP Deep Geological repository (WPDRG)

ISOE Information system on Occupational exposures

Joint Project organ Dose Variability with Gender, Age & BMI

Workshop
19-21 Sept. 2018
- 5th Science and Values
- 2nd stakeholder involvement
- Theme “risk communication”

NEA Workshop 2019
- Optimisation in Decommissioning, Waste and Legacy Management

Joint Workshop CRPPH-EC/JRC Workshop 2020
- ICRP in the nuclear and non-nuclear fields
- Non-radiological health effects of radiation
- Emergency preparedness, response and nuclear liability

IRPS
- International RP School – Stockholm, 20-24/8/2018

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New WPNEM Programme of Work

Driven by follow up of INEX 5 outcomes & activities towards an “all-hazards” approach in EPR

CRPPH

Working Party on Nuclear Emergency Matters (WPNEM)

- Expert Group on real-time communication platforms.
- Expert Group on non-radiological Public Health Aspects of Radiation (in collaboration with WHO)
- Expert Group on building nationally adapted frameworks for recovery
- Expert Group on benchmarking on dose projection code outputs
- Update WPNEM member country Protective Measures Handbooks.
- Involvement of decision-makers in protective action strategy.
- EGIR on update of ICRP 109, 111 (EPR and recovery).

Joint NEA-OECD-EC/JRC Workshop 2020

EPR in the nuclear and non-nuclear fields

Joint NEA-WHO Workshop

Non-radiological health effects of radiation
INEX-5 Cross-border coordination testing

Two cases where alignment of recommendations was exercised but with very different results

Protective actions implemented/ordered in the regional exercise involving:

Slovenia-Austria-Croatia-Hungary-Italy

Germany and the Netherlands

Case A: Alignment of Croatia with the decision by Slovenia to sheltering under EPZ.
But EPZ are different: sheltering in 10 Km Croatia: sheltering in 25 Km. Sheltering rationale also different

Case B: in the early phase of a nuclear accident the Dutch authorities in principle will adopt the decided by the accident country.
EPZ flexibility to align is a key factor
Bilateral and multilateral agreements

All players have bilateral or multilateral arrangements on EPR with other countries.

*Number varies from country to country (up to 13).*

- Content may range from notification (86%) and information sharing (71%) to adoption of urgent protective actions (e.g. sheltering, evacuation, iodine prophylaxes) of the accident country.

Coordination of decisions was not mentioned in any of the bilateral agreements reported!
INEX 5 Exercise & International Workshop

24-25 October 2017, OECD NEA

- Table top exercise
- Addressing EM aspects of Notification, Communication & Interfaces related to Catastrophic Events
- 22 participating countries
- 2 regional playing
NEA committed to improve cross-border coordination

Lesson from INEX 5: New approaches for improving cross-border coordination exist, i.e. HERCA-WENRA Approach, But further work is needed for successful practical implementation

CRPPH/WPNEM Contribution

- Review of existing real-time platforms in NEA member countries to facilitate cross-border and regional information exchange and coordination of countermeasures
- To work to include decision-makers in the planning and implementation of protective action strategies
- Sharing and understanding dose projection code outputs based on same (or very similar accident) inputs
- Update WPNEM member country Protective Measures Handbook
- Not duplicate efforts, look for synergies!!!!
Towards and all-hazards approach in emergency management

Flagship Report
Launch webinar on 12 January 2018

- The report consists of a set of various contributions from the non-nuclear field illustrating the multidisciplinary nature of EPR systems.
- Very positive feedback, external and internal
- Very fruitful collaboration with the OECD family (GOV, ENV) and the EC JRC (eMars Database, Natech) leading to follow-up joint workshop

Joint workshop on EPR in the nuclear and non-nuclear fields (2020)

Report: oe.cd/nea-all-hazards-epr-2018
Non-radiological Public Health Aspects of Radiation

The World Health Organization’s definition of health encompasses physical, mental and social well-being.

CRPPH/WPNEM Contribution in collaboration with WHO

• Expert Group on Non-radiological Public Health Aspects of Radiation Emergency Planning and Response including psycho-social and other societal impacts of Evacuation, Sheltering and Relocation. Includes: WHO product (guidance) + NEA-WHO Workshop + WPNEM product (practical tools for decision-makers) NEW!

Expert Group on Recovery Management (EGRM) NEW!

• EGRM will address recovery planning, and recovery framework building
• Driven by CRPPPH integrating WPNEM experts
• It will start by describing best practices in developing a recovery framework adapted to national conditions
Communicating radiation hazards: use of index/scale concepts

Outcomes of CRPPH-76 Topical Session

Is the way in which radiation risk, effects and exposure criteria are communicated to a wide audience adequate?

• Communicating on radiation hazards included in CRPPH PoW future direction
• Addressing radiation risk communication within the CRPPH
  – cannot be done in a single step nor in the short term and
  – it should distinguish actions between experts and with the public.
• Ad-hoc Group on Radiation Risk Concept and Communication (EGRRC) to define an step-wise strategy for future work.
• Working paper on the concept of risk: developing a common understanding of what the RP community means and understands as radiation risk
NEA 2nd Stakeholder Involvement Workshop

- As one of the outcomes of the session, CRPPH agreed to lead the NEA’s 2nd Stakeholder Involvement Workshop on Risk Communication.
- Outcomes of the topical session → inputs for the workshop.
- The workshop will invite all relevant NEA Committees.
- Distinct feature as regards the 1st workshop: members of stakeholder groups will be invited to explain their circumstantial concerns and related understanding needs.
- **SAVE THE DATE: September 24-26 2019**
Global Low-Dose Research Coordination

Low radiation doses meaning below to far below about 100 mSv

- Low dose research has been an objective of government, industry, and university research programmes for some time.
- Low dose research is a vast subject, addressing such aspects as:
  - chronic versus acute exposures, dose and dose rate effects, effects of different types of radiation, organ and tissue sensitivity, cellular damage mechanisms and tumour progression pathways, etc.
- Scoping meeting in September 2018, Milan, Italy, with representatives of high level research projects and funding organizations to discuss the way forward with this issue.

Also in the field of research within CRPPH: Joint Project Uncertainty and Variability in Organ Doses from Environmental Exposures.
NEA International RP School (IRPS)

*Preparing tomorrow's RP leaders by learning from today's experts*

Understanding the "spirit" of the RP system is an integral component of its effective application.

- 20-24 August 2018, Stockholm University, Sweden
- Application period now closed. 75 applications. Notification by June 2018

Fifth Workshop on Science and Values in Radiological Protection Decision Making

*Integrating new scientific and technological developments, and evolving the understanding of social considerations into decision making*

- 19-21 September 2018, Milan, Italy
- Registration deadline extended to 25 June 2018
Thank you for your attention

More information @ www.oecd-nea.org
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