



*60 Years*

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# Workshop on Nuclear Safety: Current Status and Future Challenges

Hosted by Vienna Center for Disarmament and Non-Proliferation and Permanent Mission of Japan to the International Organizations in Vienna, 4 July 2016

**Session 4: Cross-Cutting Issues**

## Emergency Preparedness and Response

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# IAEA Roles and Responsibilities: in Response



- Notification & official information exchange
- Provision of public information
- Assessment of potential emergency consequences and prognosis of possible emergency progression
- Provision of assistance on request
- Coordination of inter-agency response

# IAEA Roles and Responsibilities: in Preparedness



- Emergency Preparedness and Response (EPR) standards, guidance and tools
- EPR capacity building
  - IAEA RANET CBC in Fukushima Prefecture
- Emergency Preparedness Review (EPREV)
- IAEA's in-house and inter-agency preparedness

# IAEA Safety Standards in EPR

- Published in November 2015
- 13 international intergovernmental organizations as co-sponsors
- Assisting in implementation: regional and national workshops, webinars

## Implementation is a key

### IAEA Safety Standards for protecting people and the environment

#### Preparedness and Response for a Nuclear or Radiological Emergency

Jointly sponsored by the  
FAO, IAEA, ICAO, ILO, IMO, INTERPOL,  
OECD/NEA, PAHO, CTBTO, UNEP, OCHA, WHO, WMO



#### General Safety Requirements No. GSR Part 7

# EPRIMS: Emergency Preparedness and Response Information Managements System

Address the needs for:

- Self-assessment
  - on the basis of GSR Part 7
- Consistency in response actions
  - through active awareness on other countries' EPR arrangements
- Promoting global understanding
  - by sharing information on challenges
- Continuous enhancement of national capabilities
  - through Sharing knowledge on best practices and solutions
- Operational prognosis and assessment in an emergency
  - through sharing data on reactor static parameters



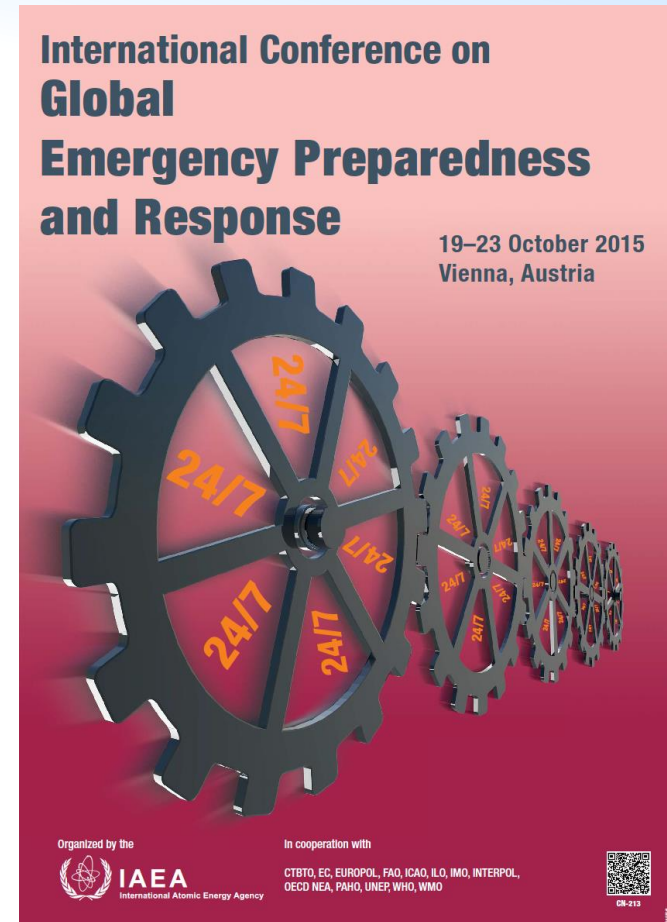
The screenshot shows the EPRIMS website interface. The browser address bar displays <https://iec.iaea.org/eprims/Restricted/>. The page header includes the IAEA logo and the text "IAEA | EPRIMS Emergency Preparedness and Response Information Management System". A navigation menu contains links for "News Feed", "EPR Info", "Reports", "Reactor Information", "Administration", and "About". The main content area features a "Welcome to EPRIMS!" message, followed by a detailed description of the system's purpose and capabilities. The footer contains contact information for the International Atomic Energy Agency (IAEA) and copyright details for 2016.

<https://iec.iaea.org/eprims>



# International Conference on Global EPR

- 19-23 October 2015 in Vienna
- over 420 participants from more than 80 Member States, 18 international organizations and other relevant stakeholders
- Conference Report



<http://www-pub.iaea.org/MTCD/Meetings/PDFplus/2015/cn213/cn213Report.pdf>

# President's Summary

- Based on Sessions' Key Points
- Practically oriented recommendations
  - Communicating with the public and putting health hazard into prospective
  - Implementing Observations and Lessons from the IAEA Report on the Fukushima Daiichi Accident
  - EPR as a cross-cutting area in nuclear safety and nuclear security
  - Developing international guidance for the transition phase
  - Enhancing international cooperation and building capacity



# 8<sup>th</sup> Meeting of the Representatives of Competent Authorities

identified under the Convention on Early Notification of a Nuclear Accident and the Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency

- Over 80 countries and 6 international organizations
- Over 150 participants
- Conclusions on:
  - further strengthening and exercising operational arrangements for implementation of Conventions
  - implementation of GSR Part 7
  - enhancement of communication in an emergency
  - putting consequences of nuclear and radiological emergencies in perspective
  - harmonized approaches to decision making at national levels



# Emergency Preparedness and Response Standards Committee (EPReSC)

- Members from over 60 Member States and observers from 10 international organizations
- Guidance on transitioning from emergency to existing exposure and on communication with the public are top priorities



# EPR – Continuous Efforts

- To maintain and further enhance Agency, national and international EPR capabilities and arrangements for effective response to nuclear and radiological emergencies in line with up-to-date safety standards, and addressing topics identified as priorities
  - Continuously improved and tested/exercised EPR arrangements
    - ConvEx-3 (2017) exercise hosted by Hungary
  - Continuously improved EPR capabilities



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*Thank you!*



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