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International Atomic Energy Agency

*Atoms for Peace and Development*

# Agency's Activities in EPR and Potential Support from GNSSN

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# Assistance in Strengthening Member States Preparedness



- Safety Standards, guidance and tools:
  - EPR Requirements: GSR Part 7
  - Different SS under development
  - Technical guidance on different practical aspects of EPR and associated tools
  - EPRIMS - a tool for self-assessment against GSR Part 7

# Assistance in Strengthening Member States Preparedness (cont'd)



- EPR capacity building activities:
  - Training events (~ 50 per year, including several Schools of Radiation Emergencies Management)
  - EPREV missions – 20 years of experience
  - Providing advice on EPR through Expert Missions
  - Promotion of Capacity Building in EPR
    - CBC-EPR at regional level for capacity building activities
    - Six CBC-EPR established to date
  - Planned establishment of EPR knowledge network (iNET-EPR)
    - CBC-EPR and educational institutions
    - master degree in EPR

# TM on Next Generation Reactors and EPR



- Building on conclusions of 2017 TM
  - 22-25 April, 2019, Vienna
- Discussion among EPR experts, new reactors' technology developers and safety assessment experts on definition of EPR arrangements, based on GSR Part 7 Requirements and taking into account safety features of new reactors
- Particular focus on SMR
- Analyzing progress made, existing gaps and challenges

# TM on Advances in EPR Technology and Arrangements



- TM on Advances in Emergency Preparedness and Response Technology and Arrangements
  - 8-12 April, 2019, Vienna
- Discuss latest advances in EPR technology and arrangements used to respond to emergencies, and to identify potential gaps and possible solutions
- Sharing the current innovative and state-of-the-art solutions to challenging problems

# Potential GNSSN Support for Activities in EPR



- Increasing awareness of EPR activities and events across GNSSN members and GNSSN Regulatory Fora (FORO, ANSN, FNBA, ANNuR, EuCAS)
- Fostering participation of experts from this fora in TMs, EPREV missions and development of Safety Standards and technical guidance in EPR
- Participation of iNET-EPR

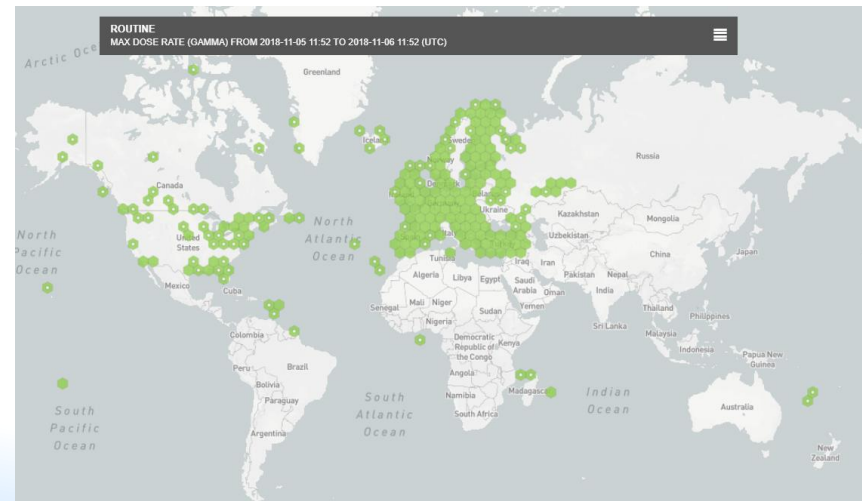
# Potential GNSSN Support for Activities in EPR (cont'd)



- Encouraging Member State participation in:
  - New ConvEx-2f and exercises
  - Revision of EPR-IEComm 2012
  - Registration in new functional areas in EPR-RANET 2018
  - Use of new encrypted information handling capabilities within USIE
  - social media simulation training and exercises

# Potential GNSSN Support for Activities in EPR (cont'd)

- Support for continued development of prognosis capabilities for IAEA assessment and prognosis process
  - Assessment procedures and tools are well tested and developed
  - Prognosis procedures and tools are now becoming a focus
- International Radiation Monitoring Information System
  - Helping to increase Member State participation in sharing routine monitoring data







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*Thank you!*

