



# Views and proposals for improving the nuclear safety framework

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# Views and proposals for improving the nuclear safety framework

- **Immediate response to Fukushima accident**
  - Promotion by IAEA of safety assessment campaigns (“stress tests”) for all nuclear installations seeking harmonization
  - Providing comprehensive information and results in a transparent manner to the public and stakeholders





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- **Assessment of external hazards and plants upgrades**

- Working on methodology for assessing tsunami
  - Need for international review
  - Update of IAEA safety standards and/or national implementation

→ Generalization to other extreme external hazards

- Peer reviews to assess national PSR with special focus on siting and related design and layout upgrades.

**Peer review results**  
**New knowledge**  
**Methodologies**

**IAEA Safety**  
**Standards**





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- **First positive lessons learnt from Fukushima to be considered in IAEA Safety Standards and national implementation**
  - On-site response emergency centre protected against external hazards and radioactive contamination
  - On-site mobile equipments easily connected to provide energy and cooling water
  - Hydrogen risk to be revisited, including accumulation in unexpected locations





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- **Allocation of responsibility for safety**

*(IAEA Safety Fundamentals 1 & 2)*

- Strengthening international cooperation and peer reviews missions
  - Ex : IRRS missions, report to CNS
- Supporting utilities efforts at the international level to promote their responsibility (Ex: WANO)
- Enhancing experience sharing and promotion of progress between IAEA and industry associations (Ex: WANO peer reviews and OSART)





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- **International cooperation for the recovery of evacuated areas**
  - International mobilization to make the best expertise and methodologies available to Japan
  - Ambitious objectives and corresponding actions to be implemented as soon as possible
  - Support to Japan upon request
  - Commensurate and comprehensive approach (radiation protection, remediation, health monitoring, communication, regulation, financial compensation, etc.)

**Remediation in Japan is remediation everywhere**

