

*Nuclear Safety Action Plan  
- Key Achievements -*

*Regulatory Information Conference RIC 2012*  
Washington , DC

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**IAEA**  
International Atomic Energy Agency

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**Background**

- IAEA Ministerial Conference
  - Ministerial Declaration
  - Working Session Conclusions and recommendations
- Fact-Finding Mission to Japan
- INSAG
- Member States consultations
- Nuclear Safety Action Team



IAEA Ministerial Conference on Nuclear Safety  
20 - 24 June 2012, Asunción, Paraguay



MAKING NUCLEAR POWER  
**SAFER**  
The IAEA Action Plan



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**ASSESSMENT OF SAFETY VULNERABILITIES**

- IAEA Methodology to assess safety vulnerabilities of NPPs against site specific extreme natural hazards
- Support and Advice to Member States
- International Expert Mission to Japan
  - January 2012



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**STRENGTHEN IAEA PEER REVIEWS**

- IRRS + EPREV
  - Dedicated 'Fukushima' Modules
- OSART
  - Severe Accident Management
- DRS
  - Assessment of Accident Management
- Increase in Demand for Peer Reviews



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**STRENGTHEN EMERGENCY PREPAREDNESS AND RESPONSE**

- IAEA Response Assistance Network (RANET)
  - Meeting on operational arrangements and reporting processes for RANET Teams October 2011
  - Meeting on extension of RANET assistance capabilities February 2012
- Meeting of Inter-Agency Committee on Radiological and Nuclear Emergencies IARCNE
  - December 2011



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**STRENGTHEN THE EFFECTIVENESS OF NATIONAL REGULATORY BODIES**

- Conferences on "Effective Nuclear Regulatory Systems"
- IRRS - more systematic and comprehensive assessment of national regulations and guidance based on IAEA Safety Standards
- IRRS International workshop
  - USA October 2011



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### STRENGTHEN EFFECTIVENESS OF OPERATING ORGANIZATIONS

- Cooperation with World Association of Nuclear Operators (WANO)
  - Coordinate Peer Reviews
  - Safety Standards
  - Embarking Countries
  - New MoU
- IAEA DG Amano
  - WANO Conference October 2011



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### REVIEW AND STRENGTHEN IAEA SAFETY STANDARDS

- Systematic Review of IAEA Safety Standards
  - Requirements for NPPs
  - Gaps Review
- Streamline Review Process
- Report to IAEA Director General
  - June 2012



Development Process for the Standards

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### IMPROVE EFFECTIVENESS OF INTERNATIONAL LEGAL FRAMEWORK

- International Expert Group on Nuclear Liability (INLEX)
- Nuclear Law Institute (NLI)
- Convention on Nuclear Safety
  - Extraordinary Meeting Aug 2012



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### MEMBER STATES EMBARKING ON NUCLEAR POWER PROGRAMME

- Infrastructure Workshop
  - January 2012
- INIR Mission
  - Embarking Countries
- Safety Infrastructure Guide SSG-16



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### STRENGTHEN AND MAINTAIN CAPACITY BUILDING

- Guidance on capacity building
- Self-assessment, including
  - Human resources,
  - Education and training,
  - Knowledge management and networks



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### PROTECTION OF PEOPLE + ENVIRONMENT FROM IONIZING RADIATION

- International Expert Mission on Remediation Japan October 2011
- Models and Data for Radiological Impact Assessment



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**COMMUNICATION AND DISSEMINATION OF INFORMATION**

- International Experts' Meetings IEMs
  - Reactor and Spent Fuel Safety, **March 2012**
  - Enhancing Transparency and Communication Effectiveness Communication, **June 2012**
  - Remediation and Decommissioning, **March 2013**
- Workshop on Seismic and Tsunami Hazards, **August 2012**
- Ministerial Conference on Nuclear Safety
  - Fukushima Prefecture, **December 2012**
- Effective Regulatory Systems Conference
  - Canada, **April 2013**



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**RESEARCH AND DEVELOPMENT**

- Technical and Scientific Support Organization (TSO) Forum
- Strengthen scientific and technical coordination and collaboration among Member States
- Steering Committee January 2012



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**OUTLOOK**

- Strengthening communication to facilitate information sharing with IAEA Secretariat and Member States
- Ensure broad dissemination of Action Plan outcomes
- Reporting to Board of Governors and IAEA General Conference



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### Action Plan: Next Steps

- Report to June 2012 Board of Governors
- Progress on the implementation of the Action Plan will be reported to the September 2012 Board of Governors
- Next General Conference 2012
- Further reporting annually
- Other International Experts Meetings in the area of Emergency Preparedness and Response and International Legal Instruments during 2013



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### CONCLUSION

- The purpose of the Action Plan is to define a **programme of work** to strengthen the global nuclear safety framework
- The success of this Action Plan in strengthening nuclear safety is dependent on its implementation through:
  - **Full cooperation and participation** of Member States and will require also the involvement of many other stakeholders, and
  - The availability of appropriate **financial resources** (MS voluntary contributions)



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