



WM'2013  
Phoenix, 24 – 28 February 2013

## IAEA Activities in Decommissioning Area after Fukushima

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# Content

- Action Plan on Nuclear Safety
- International Experts' Meeting on Decommissioning and Remediation after an Accident
- Update of other relevant activities

# Action Plan on Nuclear Safety

- Action Plan on Nuclear Safety (NSAP) prepared after Fukushima accident and endorsed by the Member States at GC 2011
- The ultimate goal of the Action Plan is to strengthen the global nuclear safety framework
- NSAP includes 12 Actions, 39 Sub-actions, 172 Activities and 647 Tasks in different areas
- NSAP action: protection of people and the environment from ionizing radiation following a nuclear emergency



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The IAEA Action Plan

Meetings News Reports

□ Fukushima Ministerial Conference on Nuclear Safety, 15-17 December 2012

International Experts Meetings

□ International Experts' Meeting on Decommissioning and Remediation After a Nuclear Accident, 28 January-1 February 2013

IAEA Action Plan on Nuclear Safety

A Ministerial Conference on Nuclear Safety adopted a Declaration that requested the Director General to develop a draft *Action Plan on Nuclear Safety*. In September 2011, the IAEA Action Plan on Nuclear Safety was adopted by the IAEA's Board of Governors and subsequently unanimously endorsed by the *IAEA General Conference*. The ultimate goal of the *Action Plan* is to strengthen nuclear safety worldwide.


Action Plan Dashboard

The IAEA Action Plan for Nuclear Safety dashboard is dedicated to sharing *Action Plan* information across the world nuclear community. This website


# IEM on D&D and ER after an Accident

- International Expert Meeting (IEM) organized as part of the NSAP (Action 11)
- Fourth of six planned IEMs, held from 28 January to 1 February 2013 in Vienna

International Experts' Meeting on  
**Decommissioning and Remediation  
after a Nuclear Accident**



IAEA Action Plan on Nuclear Safety  
IAEA Headquarters  
28 January – 1 February 2013  
Vienna, Austria

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# IEM Objectives

- To assist MSs to prepare for and to be able to manage the consequences resulting from a nuclear accident
- To focus on the complex technical, societal, environmental and economic issues that need to be considered after the emergency exposure situation of an accident has been declared ended
- To highlight specific short and long term issues to be addressed during decommissioning of facilities and remediation of the off-site environment affected by a nuclear accident



# IEM Topics

- National and international frameworks for decommissioning and ER following accidents;
- Lessons learned from the dismantling of facilities and remediation of lands and water resources affected by past accidents, including constraints to further progress;
- Analysis of decommissioning and remediation challenges that result from a major accident;
- Management of materials and waste resulting from a nuclear accident;
- The status of characterization, decommissioning and remediation efforts at the Fukushima Daiichi NPP and adjacent lands;
- Optimization of remediation and decommissioning in a post-accident context; and
- International and national coordination/cooperation



# IEM Recommendations

- The IAEA should strengthen its programme on remediation after a nuclear accident to assist Member States to facilitate the return of affected areas to normal conditions.
- The accident at the Fukushima Daiichi NPP has highlighted the concern of people to be assured of their safety. The international community should strive to develop a practical definition of 'safe' as an aid for communicating with the public.
- The Agency should assist MSs with the development of end states and strategies for decommissioning of accident damaged facilities.
- Large volumes of RAW and materials with residual amounts of radionuclides are in many countries. The Agency should review its guidance on the management of these wastes and materials with the view of ensuring their practical application after a nuclear accident.



# Summary of IEM

- Topics and timing of the meeting well selected
- Good participation: more than 200 participants from 38 MSs + four international organizations;
- Eight sessions (plenary and parallel), presentations of invited speakers, panel discussions and selected posters' oral presentations;
- All presentations + Summaries of sessions available on the IAEA website:

<http://www-pub.iaea.org/iaeameetings/IEM4.aspx>



## Other relevant activities

- Number of on-going and planned NSAP activities:
  - report on the experience and lessons learned worldwide in clean-up and decommissioning of nuclear facilities in the aftermath of accidents
  - collecting experience on approaches, techniques, tools and equipment to deal with clean-up, decontamination and decommissioning after an accident

## Review Missions

- October 2011: Expert Mission on remediation of large contaminated areas around Fukushima Daiichi NPP
- On-site Peer review of Mid-and-long term Roadmap towards the decommissioning of Fukushima Daiichi NPP units 1-4 scheduled in 2013 in two steps (two missions):
  - First mission in April 2013
  - Second mission in second half of 2013
- Review mission on off-site remediation also discussed