

World Association of Nuclear Operators



“Post-Fukushima stress tests peer review”

Perspectives on the stress tests and peer review



WANO



London

Created in 1989
Scope expanded in 2011

118 member utilities affiliated to one or more RC



Atlanta



Moscow



Paris



Tokyo

WANO after Fukushima

WANO SOER to check WANO Members' ability to deal with a beyond design basis event



Significant Operating Experience Report
WANO SOER 2011-2

**Fukushima Daiichi
Nuclear Station Fuel
Damage Caused by
Earthquake and Tsunami**

March 2011
Limited Distribution



SOER 2011-2 Recommendation Response Data

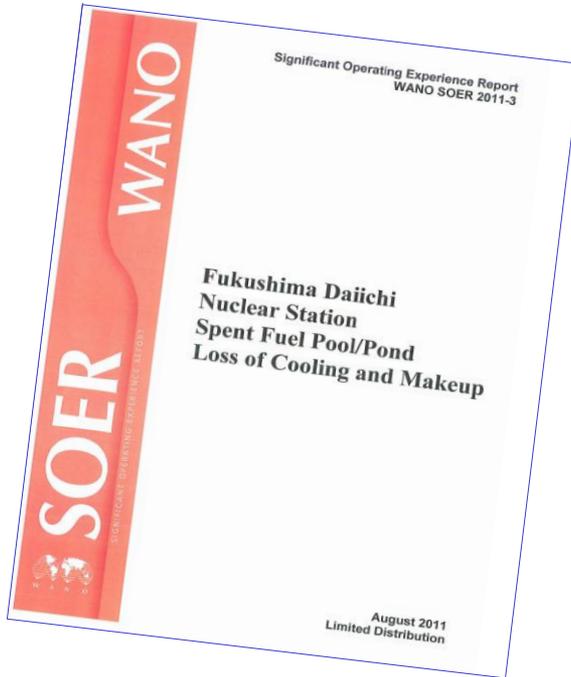
**Analysis of SOER 2011-2
Recommendation
Response Data**

Summary of the Common Issues Identified
during NPP Reviews of SOER 2011-2
*Fukushima Daiichi Nuclear Station Fuel
Damage Caused by Earthquake and
Tsunami Recommendations*

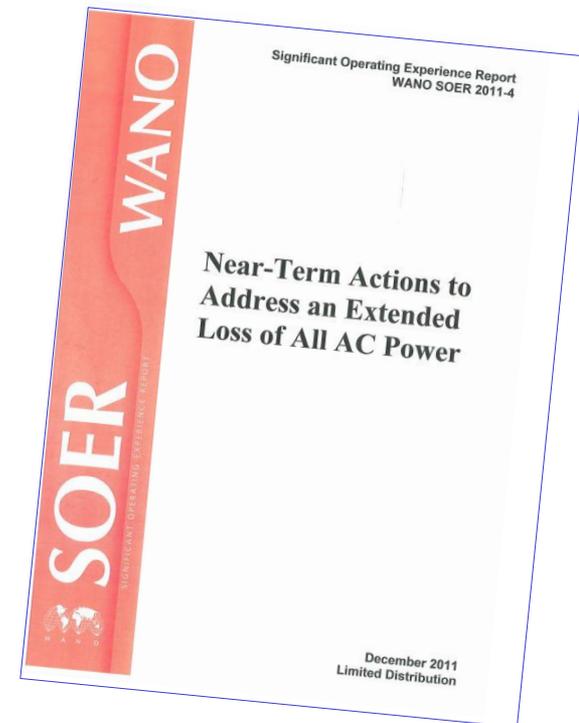
July 2011
Restricted Distribution

WANO after Fukushima

Spent Fuel Pools Loss of Cooling and Makeup



Near Term Actions to Address an Extended Loss of all AC Power



WANO after Fukushima

Prevention



Prevention & Mitigation



WANO after Fukushima

- WANO Scope Expansion :
 - ✓ Expand the scope of WANO activities to include emergency preparedness
 - ✓ Expand the scope of WANO activities to include severe accident management
 - ✓ Expand the scope of WANO activities to include some aspects of design (operator's capability to perform periodic safety re-assessment)



WANO after Fukushima

Capability to mitigate conditions that result from beyond design basis events whatever the cause of the event.



WANO after Fukushima

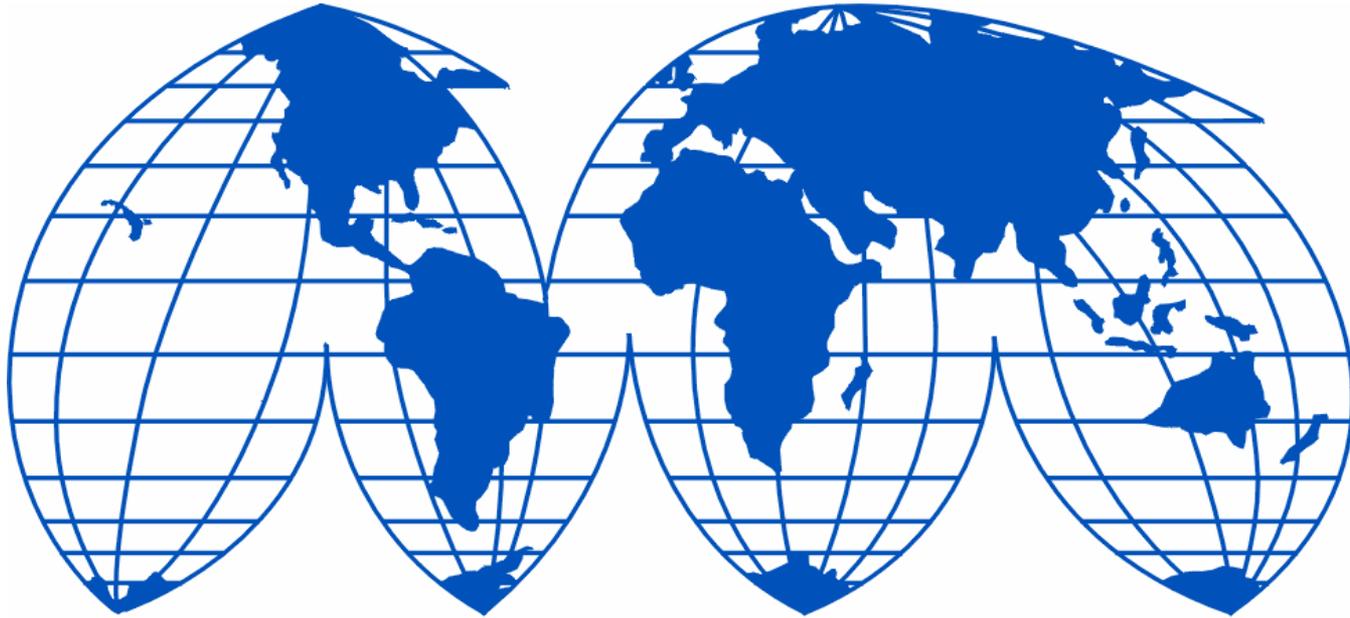
Same goal from WANO and international organisations (IAEA, INPO ...):

Increase the robustness of the plants to face any event:

- In the design basis as well as beyond the design basis



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