

World Association of Nuclear Operators



**“New Reactor Design activities
focusing on new reactors and vendor /
licensee’s responses ”**

2nd MDEP Conference September, 15 2011 - Paris

First lessons from the Fukushima accident

100% WANO Members answered to the SOER
(excluding Fukushima Daiichi and Daiini NPPs)



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

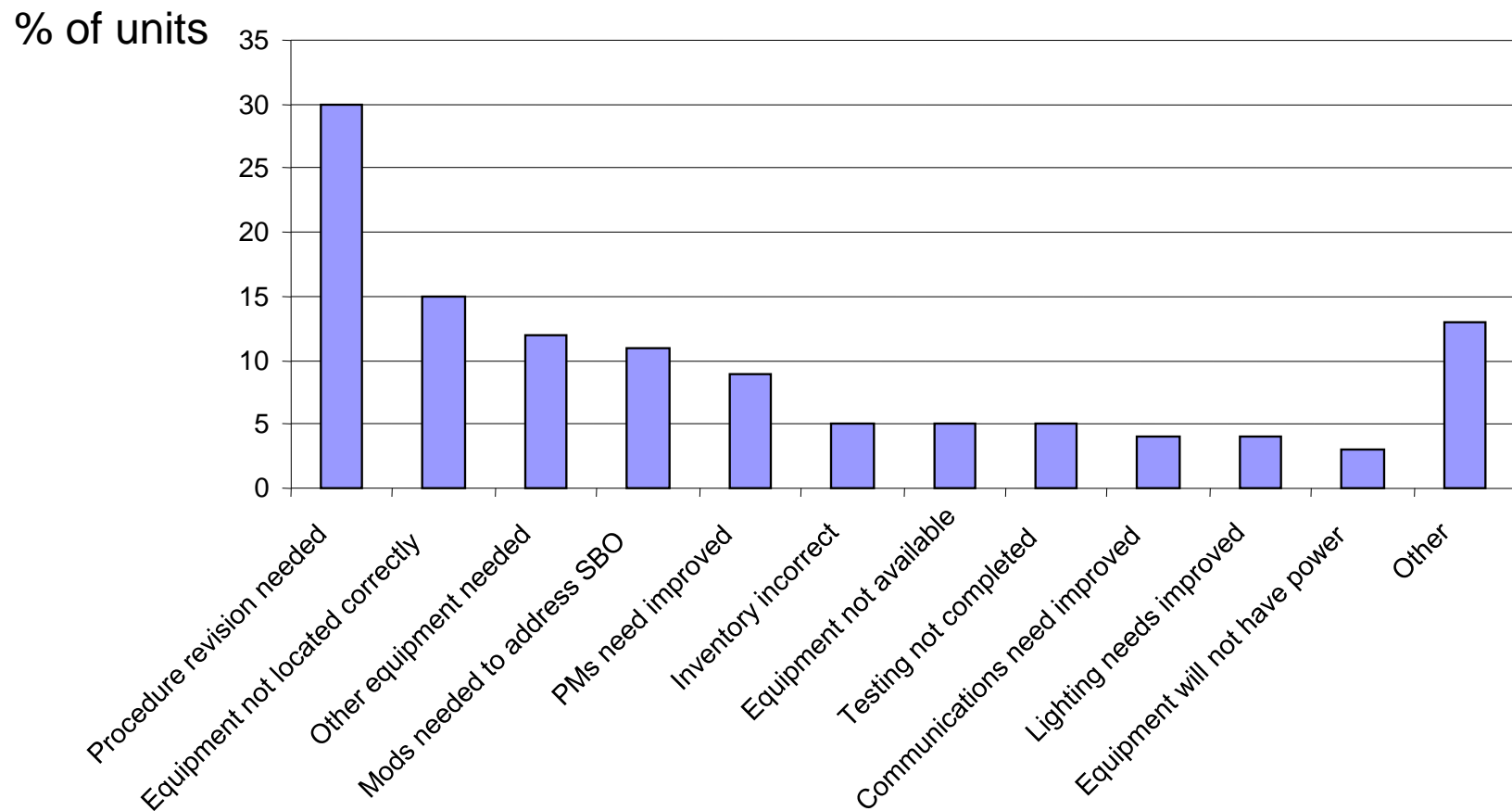
**Analysis of SOER 2011-2
Recommendation
Response Data**

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

First lessons from the Fukushima accident

All WANO members responded to SOER Example of analysis : Station Black-out



WANO's Commission to propose improvements

As a result of Fukushima :

- **Close the SOER gaps in emergency preparedness of each utility :**
 - **Procedures**
 - **Equipment availability**
 - **Drills & training**
- **Better define WANO's roles & responsibilities of WANO & WANO members in an emergency :**
 - **Reinforce the Emergency Team**
 - **Inventory of available equipment from other members**
 - **Coordination with IAEA and other organisations**

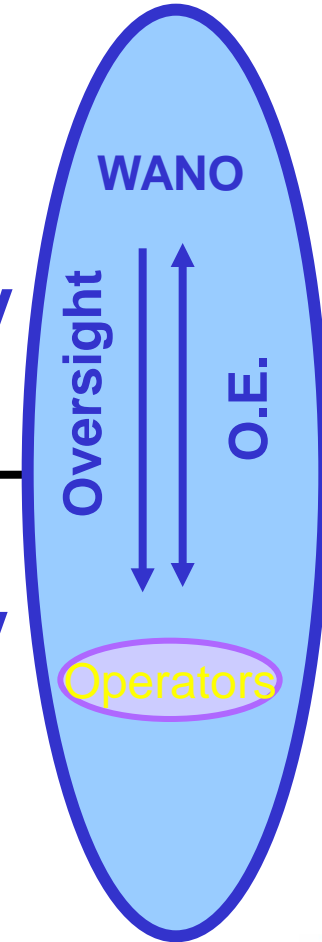
Nuclear Safety Responsibility

INTERNATIONAL
LEVEL :

Collective Responsibility

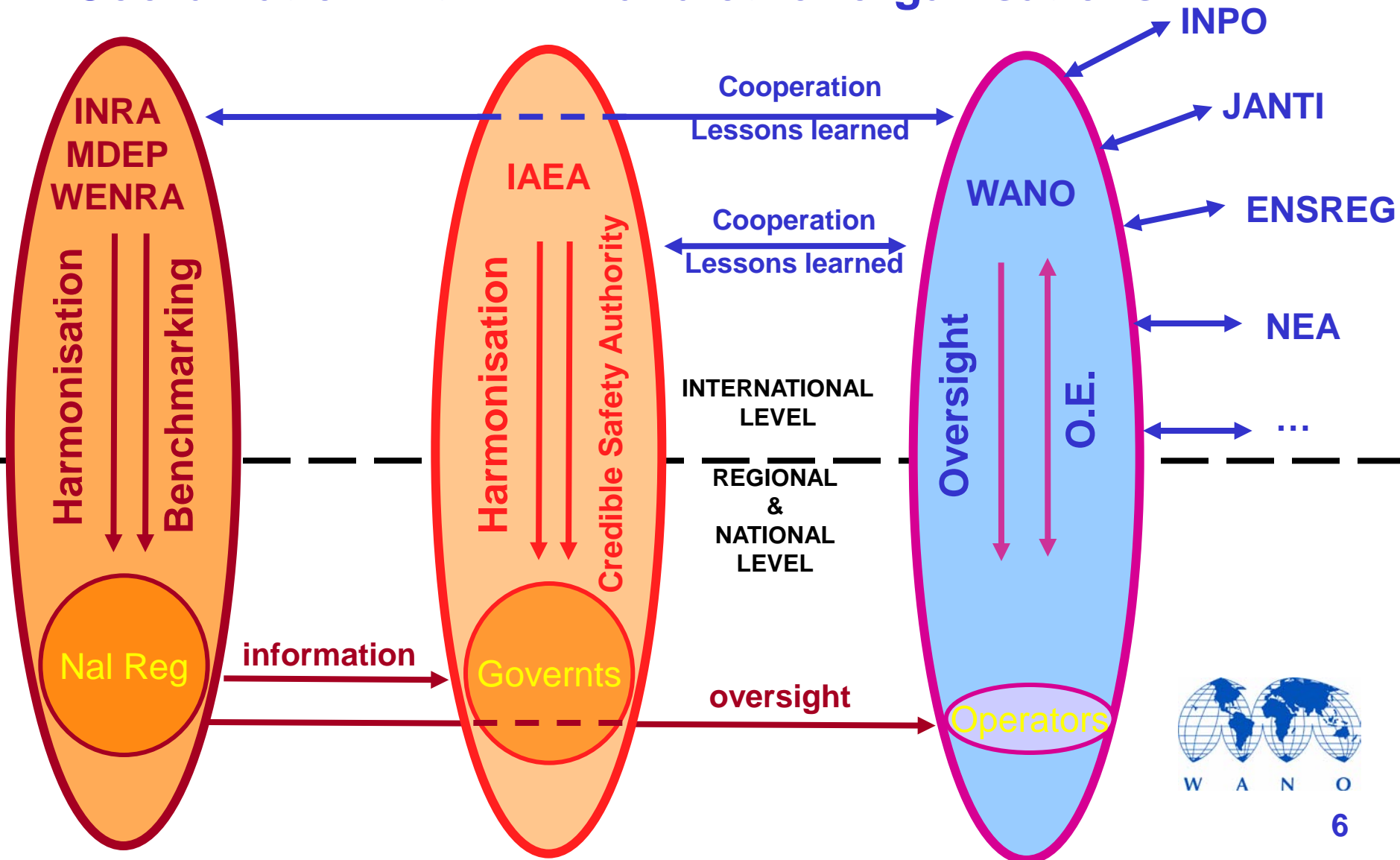
NATIONAL
LEVEL :

Individual Responsibility



WANO's Commission to propose improvements

■ Coordination with IAEA and other organisations :



WANO improvements

- **WANO will, with its members fully committed, continue to prevent TMI & Chernobyl types Accidents by focusing PRs on Nuclear Safety Fundamentals, including :**
 - **Compulsory high quality “AFIs”**
 - **Check SOER recommendations’ implementation**
- **Improve Operating Experience, sharing between operators :**
 - **Better define when a station must report**
 - **Timely report event**
 - **Implement SOER recommendations**
- **Define what is expected of WANO members & the follow-up on members that are not fully participating**

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Thank you



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