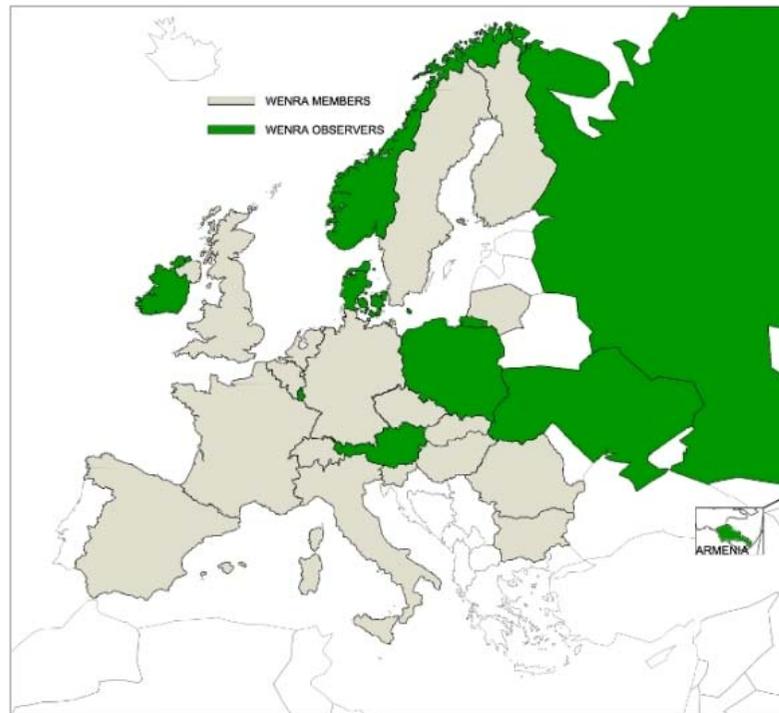


WENRA support activities for ENSREG

Hans Wanner
Chairman, WENRA

EU Stress tests = international benchmark



Policy Statements

- Commitment to continuous improvement of nuclear safety
- Safety is the responsibility of the operator
- Common approach to nuclear safety

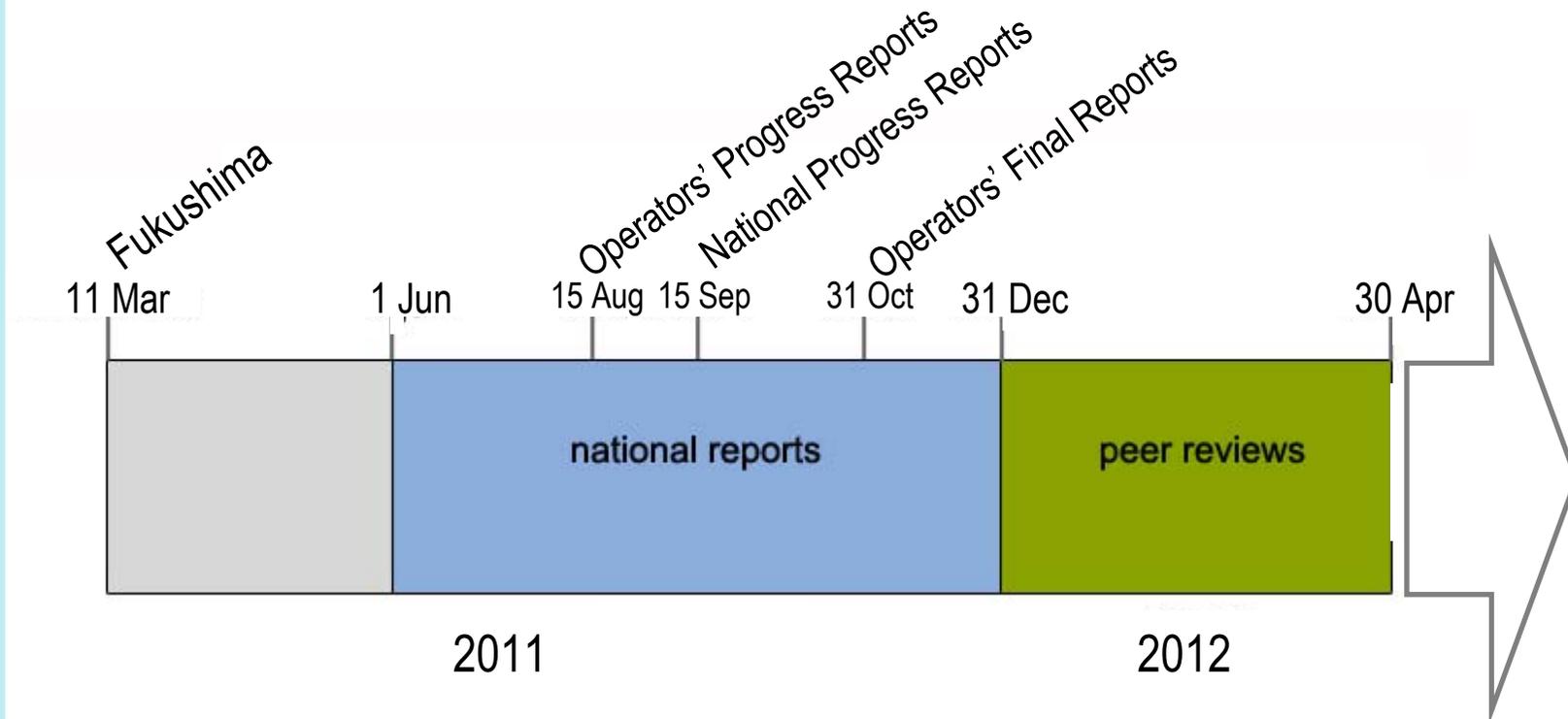
WENRA concept of stress tests

- Definition: Targeted reassessment of safety margins of NPPs in the light of Fukushima
- Evaluation of the behaviour of the plant when facing a set of extreme situations
- Events potentially leading to loss of safety systems requiring accident management
- WENRA task force to define the details
- Reassessments to be carried out by licensees

Technical scope of stress tests

- Initiating events:
 - Earthquake
 - Flooding
 - Other extreme natural events
- Consequential loss of safety systems:
 - Loss of electrical power (including SBO)
 - Loss of ultimate heat sink
 - Combination of both
- Severe accident management issues:
 - Loss of core cooling functions
 - Loss of cooling function in the fuel storage pool
 - Loss of containment integrity

Chronological sequences



Follow-up

- Results of stress tests → appropriate measures at national level
- Transparency is important
- More lessons to be learned from Fukushima
- Safety is not a state – safety is a process