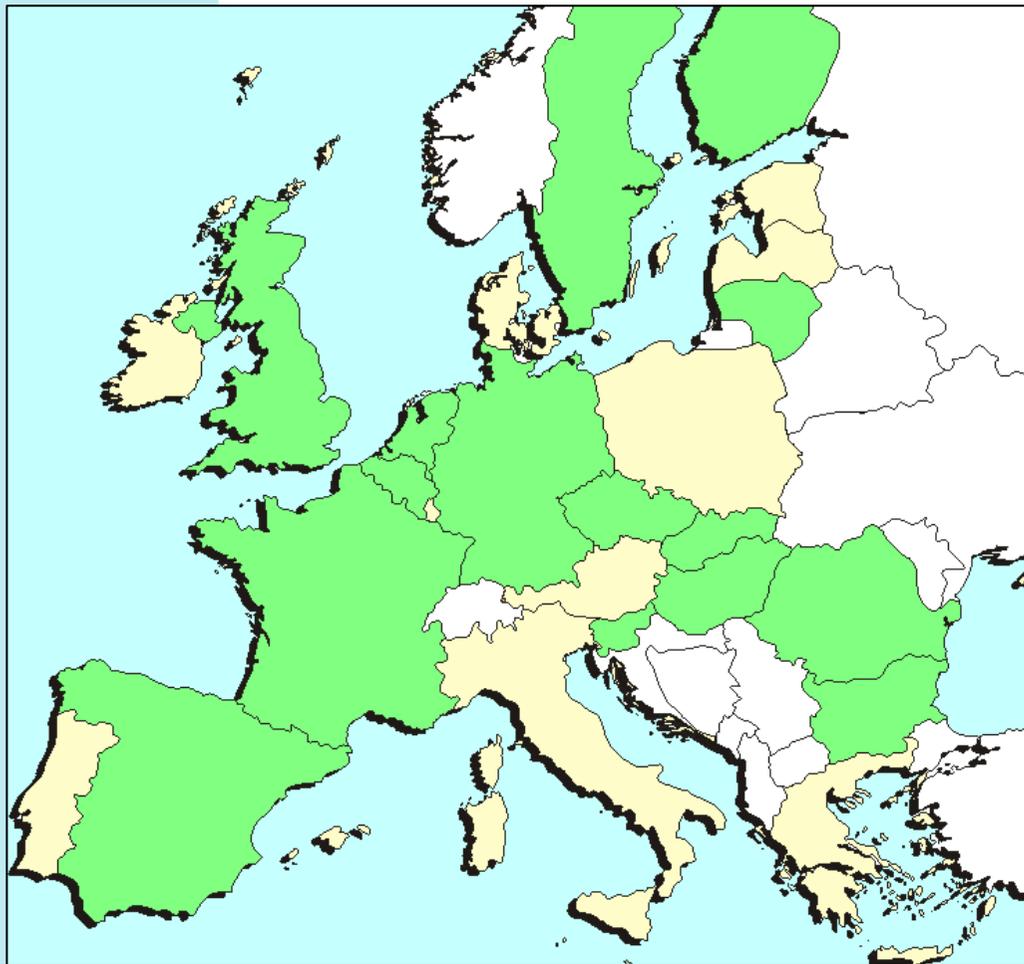


ENSREG and Stress Tests

Andrej Stritar
Chairman, ENSREG

ENSREG – who are we?

European Scene



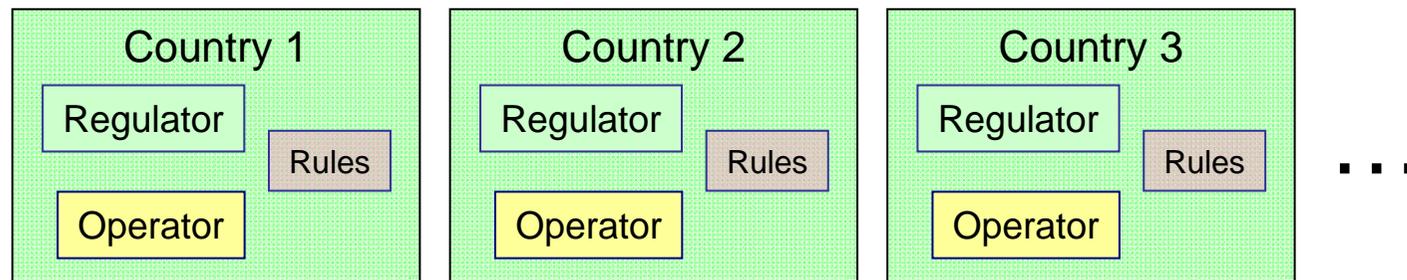
- In European Union ...
- ... there are almost 150 power reactors...
- ...in 15 EU member countries,
- producing ~1/3 of all electricity in EU

**We must keep them
operating safe!**

Before 2000

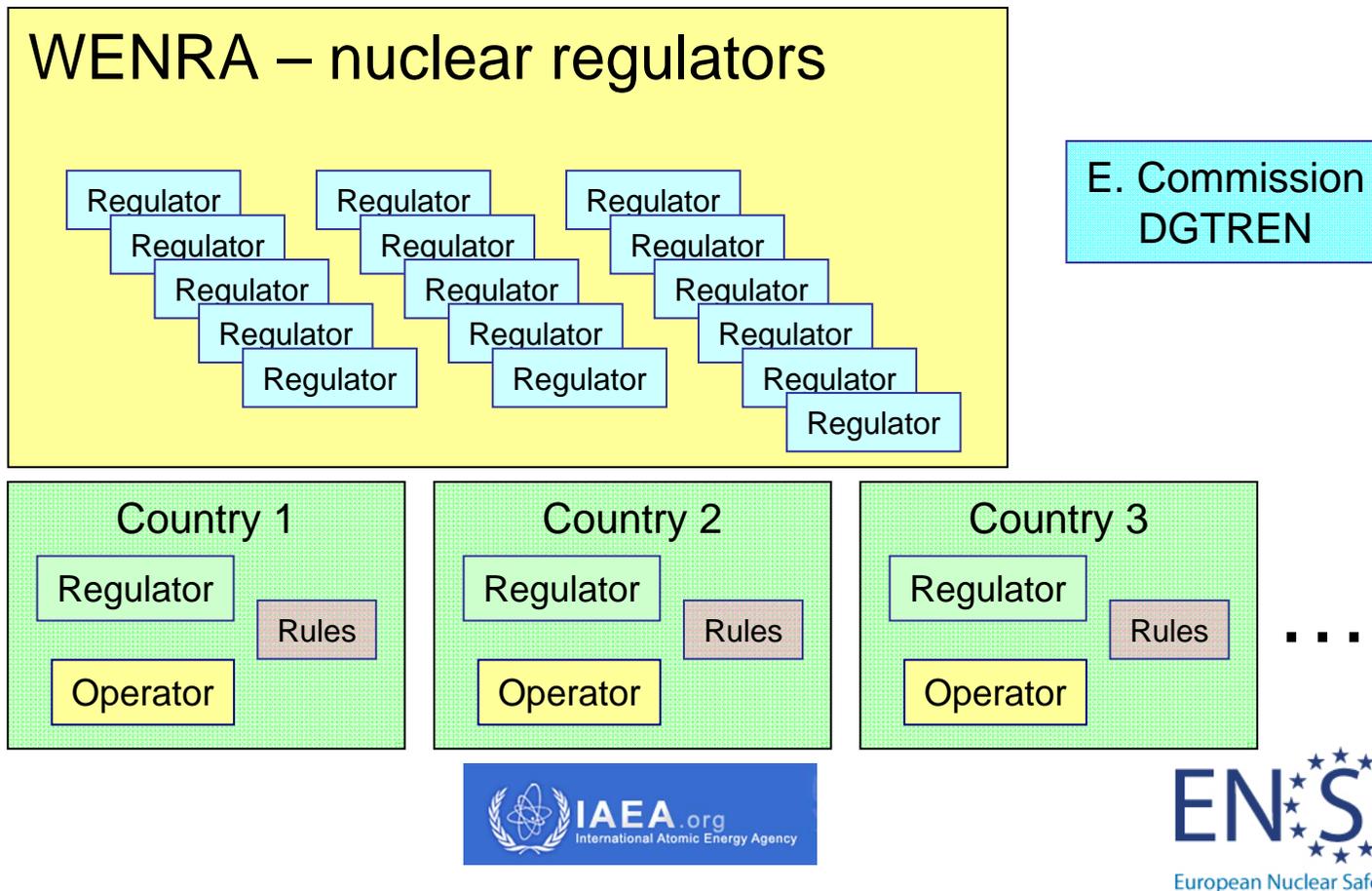
- Nuclear Safety was only national responsibility

E. Commission
DGTREN



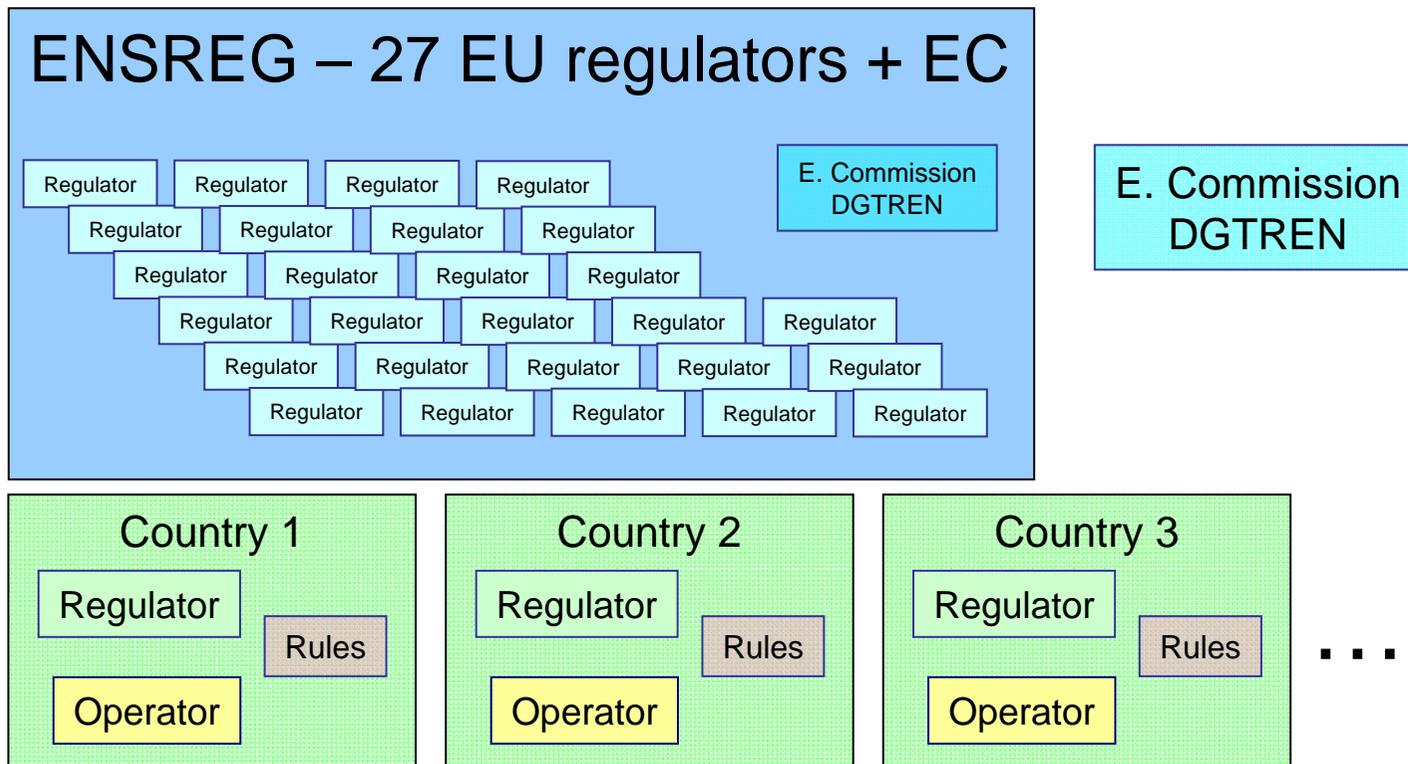
WENRA, a voluntary club

- “Bottom up” approach to harmonisation



ENSREG – after 2007

- “Top down” advisory body



What is now better?

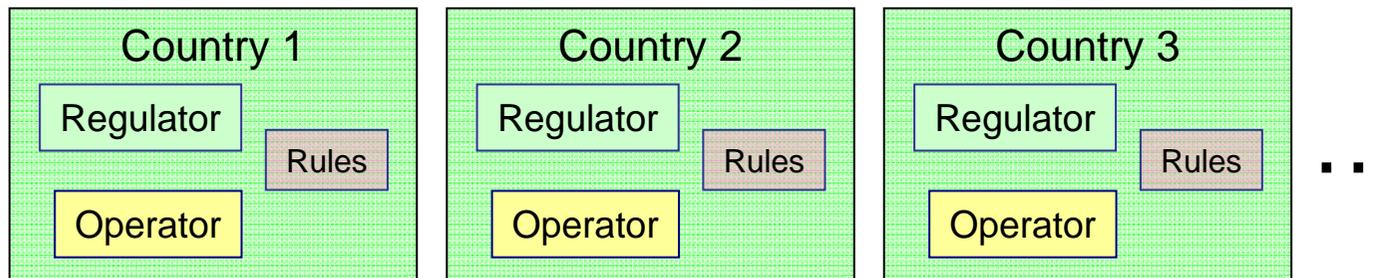
WENRA – nuclear regulators

ENSREG – 27 EU regulators + EC

WENRA Reference Levels

E. Commission
DGTREN

Nuclear Safety Directive, RW Directive,
Stress Tests



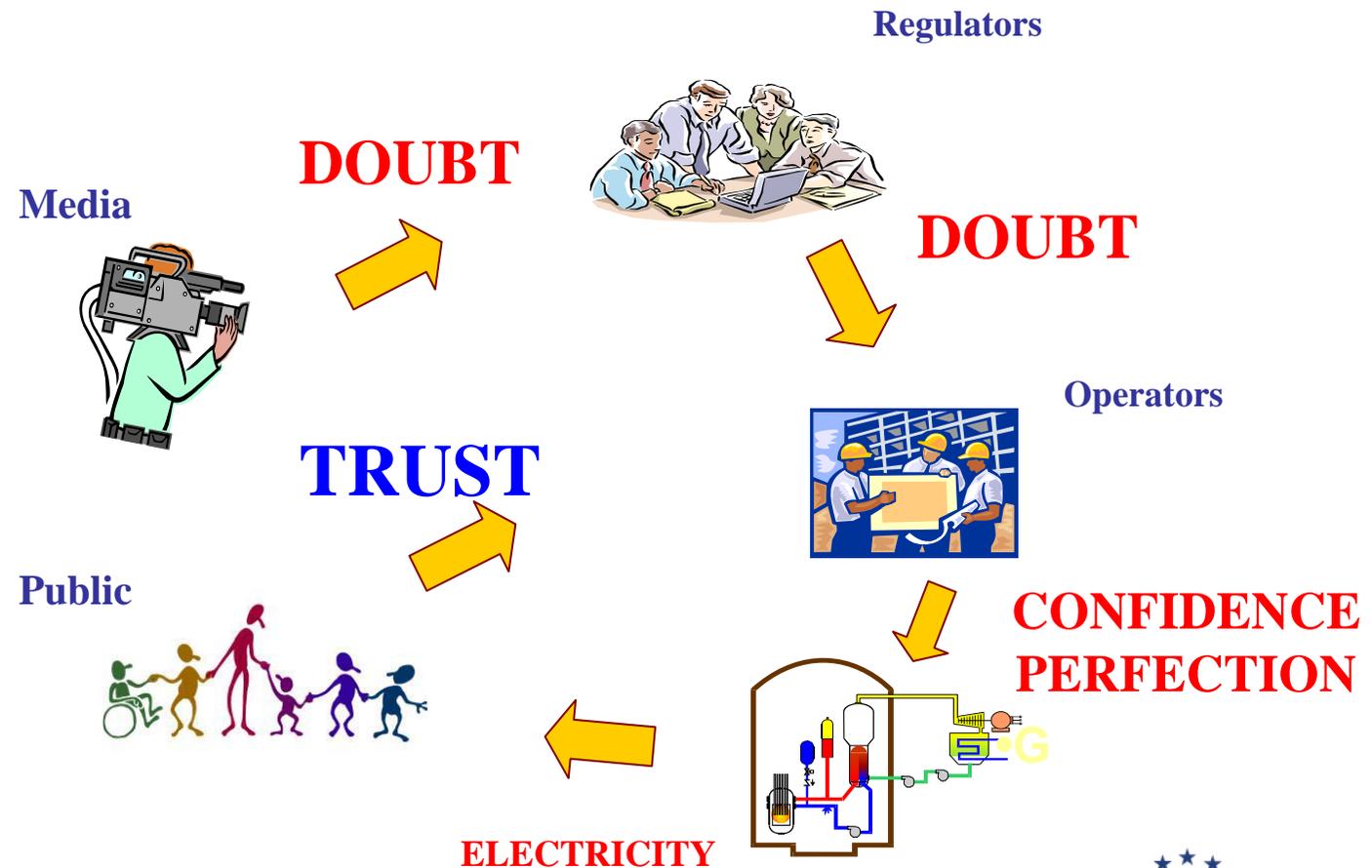
Nightmare of 11 March 2011



- Beneficial conversion of mass to energy turned into disaster



- The feedback loop for assuring perfection has failed!
- Trust of the society was lost!



EU response to Fukushima

Stress Tests

- 11 March: Fukushima accident occurs
- 24 – 25 March: European Council Requests
 - Stress tests to be developed by European Nuclear Safety Regulators Group (ENSREG), the Commission and WENRA
 - Safety of all EU plants should be reviewed
 - Scope of review developed in light of lessons learned from Japan
 - Assessments conducted by national Authorities
 - Assessments completed by a peer review

Development of Stress Test Methodology

- Methodology drafted by WENRA in April
- Agreed to by ENSREG in May
- On 25 May 2011 ENSREG including the European Commission published the ENSREG declaration that described EU Stress Tests methodology

Stress Test Implementation

- 15. 8. 2011 Operators submitted progress reports
- 15. 9. 2011 National progress reports submitted
- 31. 10. 2011 Operators submitted final reports
- 8. 12. 2011 EU Council informed about progress
- 31. 12. 2011 Final National reports submitted

The Peer Review Process

The process

- WENRA prepared first draft in June
- Task Force formed in July
- Involvement of stakeholders
- Number of meetings and discussions
- The Methodology endorsed by ENSREG on 12 October

Milestones

- EU Council expects the final report in June 2012
- EC expects the report from ENSREG by end of April
- Peer Review started on 1 January
- Majority of work will be done in February/March
- The report will be finalised in April

What to expect from Stress Tests?

Stress Tests are:

- Quick overview of NPP resistance towards external events
- Kind of very condensed Periodic Safety Review
- Intensive learning lessons after Fukushima
- Looking for common EU issues

Stress Tests are not:

- Detailed safety reanalysis of individual NPPs
 - This might be requested later by national regulators ...
- Review of operational safety and safety culture issues
- Review of national emergency preparedness
- Review of security issues

Stress Tests are:

- Supplement and trigger for additional work of operators and regulators
- Logical step after such a serious event as Fukushima
- A step in a strive for continuous improvements in all aspects of nuclear safety
- Contributing towards consistency among different national regulatory approaches

What after Peer Review?

- Regulators and operators will get input for further improvements
- Safety level of EU NPPs will be more harmonised
- Public will have more insight into the work of nuclear industry
- Ideas for improvement of EU legislation could emerge

What do we do today?

- Present and discuss the process
- Gather first impressions
- Collect ideas and questions about the process of the Peer Review
- Collect specific questions

What we can not do today?

- Make any judgements about results of Stress Tests
- Make any comparisons between countries
- Answer to detailed specific questions
- The above could be done in April and May

Looking forward to today's
discussion after next
presentations of the Peer
Review Team members.