



European Nuclear Safety Regulators Group

1st Topical Peer Review

Public event – 3rd May 2018

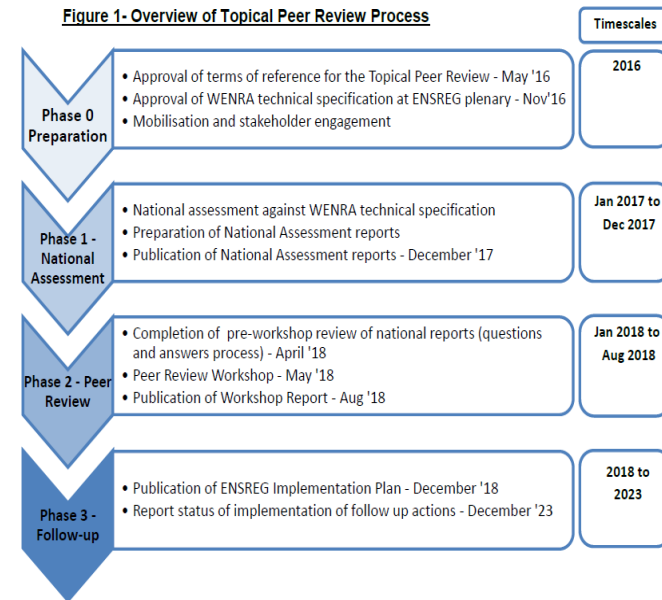
Brussels

P. Tiippana
TPR Board Chairman

Content

- Background for the Topical Peer Review (TPR)
- Organisation of the TPR
- Where are we in the TPR process
- TPR Workshop in May
- Next Steps

Figure 1 - Overview of Topical Peer Review Process



Reinforced Euratom legal framework

1957

Directive 2009/71/Euratom
Nuclear Safety
of nuclear installations

Directive 2011/70/Euratom
Spent Fuel and Waste Management

Directive 2013/51/Euratom
Euratom Drinking Water Directive

Directive 2013/59/Euratom
Basic Safety Standards

Directive 2014/87/Euratom
amending Directive 2009/71/Euratom

2009

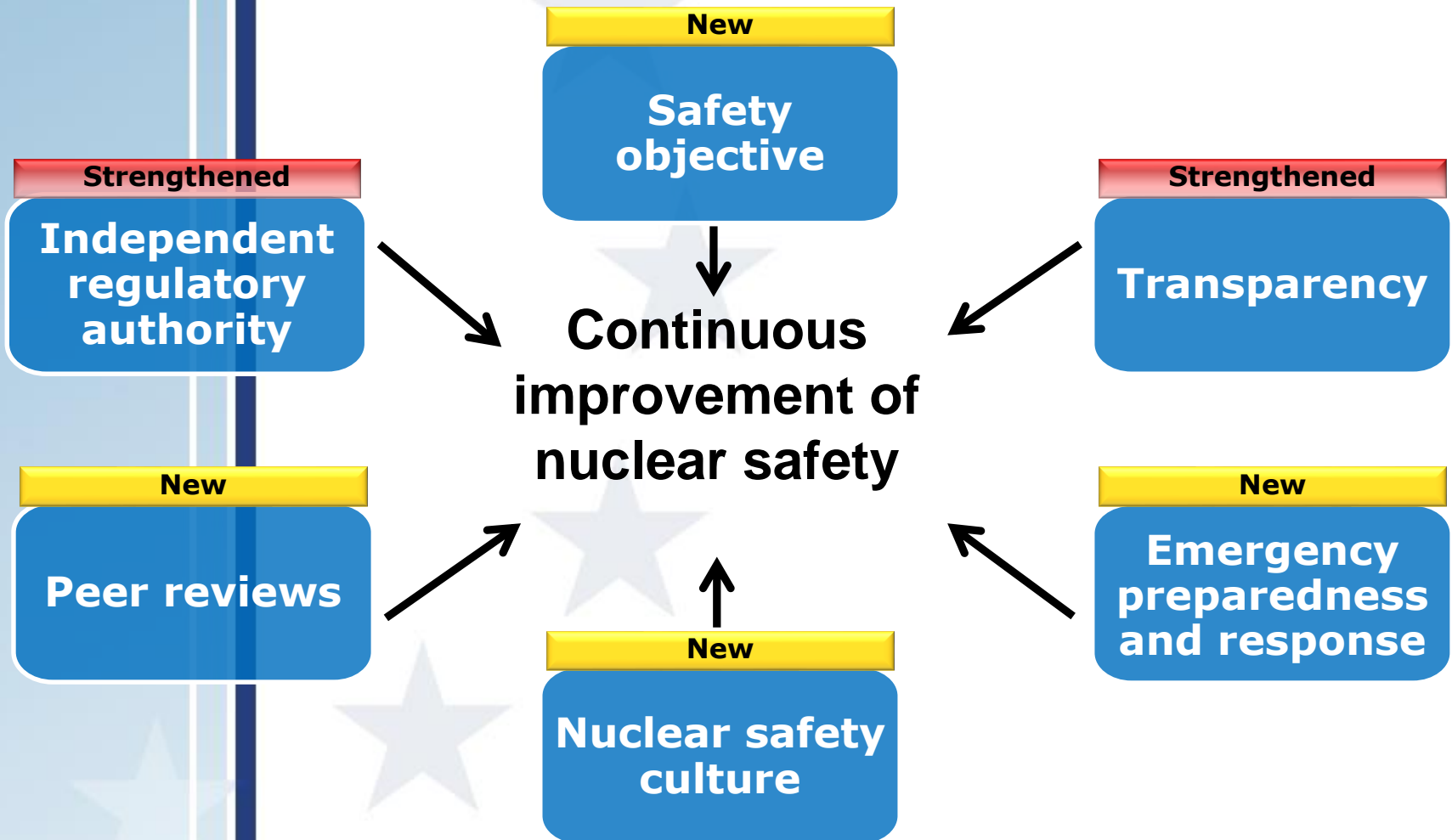
2011

2013

2014

2017

Directive 2014/87/Euratom



1st Topical Peer Review

➤ Council Directive 2014/87/EURATOM

Introduces a **European system of Topical Peer Review (TPR)** which will commence in 2017 and every six years thereafter

➤ "ageing management of nuclear power plants" defined as 1st topic during ENSREG 30th Meeting in July 2015

➤ Covers Nuclear Power Plants and Research Reactors (with a power of 1MWth or more)

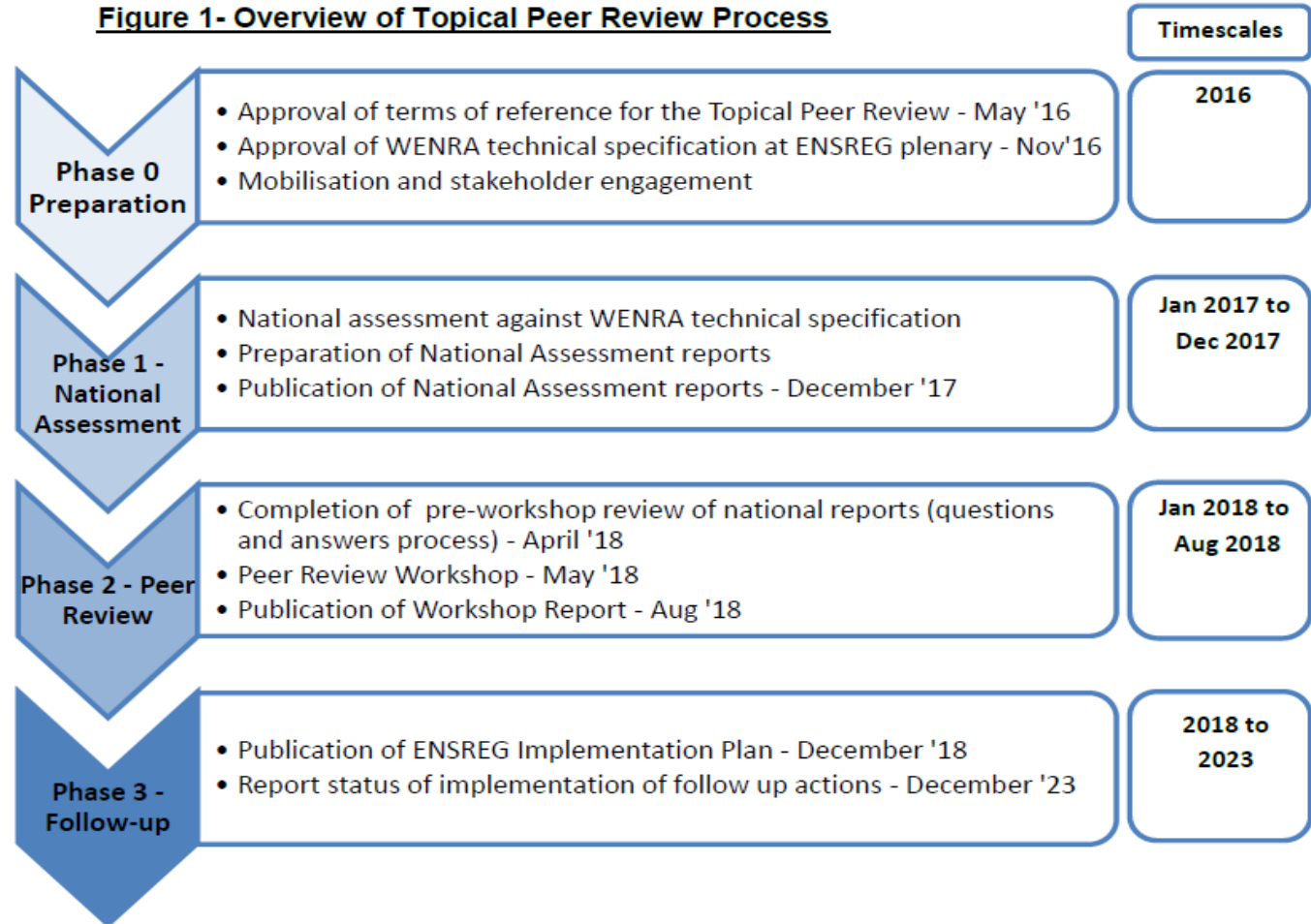
- Includes reactors in operation and under construction
- Plants that are in final shutdown not included
- Obsolescence not included within the proposal

➤ Ageing Management Programmes

- Electrical cables, Concealed pipework, Reactor Pressure Vessels, Concrete containment structures

1st TPR process overview for 2016-2018

Figure 1- Overview of Topical Peer Review Process

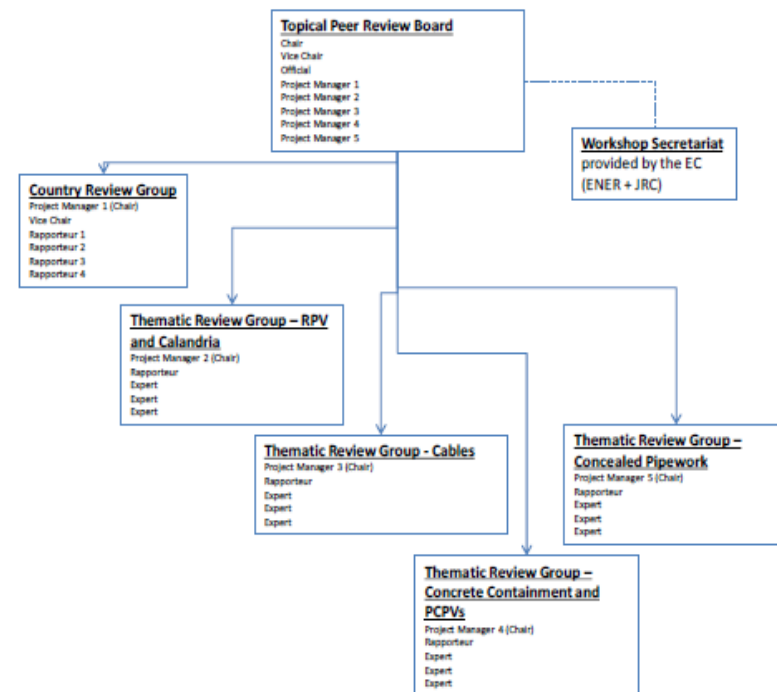


1st Topical Peer Review – preparation 2016-2017

- Development of the ENSREG Terms of Reference (ToR) + WENRA Technical Specification (TS) + Stakeholders Plan in 2016
- ToR submitted to Public Consultation on the ENSREG Website from the 1st August to the 30th September 2016
- TS submitted to Public Consultation on the WENRA Website from the 28th October to the 30th November 2016
- Comments on the ToR and TS received from FoEE, ENISS, IAEA, etc. and taken into account in the final versions
- All 3 documents approved by ENSREG in January 2017 and published on the ENSREG Website in February 2017
- <http://www.ensreg.eu/background>

1st Topical Peer Review – Organisation

- Board, Rapporteurs and Experts (from countries, and EC)
- Commission (role of observer and secretariat)
- Participants (countries)



1st Topical Peer Review - Board

TPR Board		
Chair	STUK (FI)	Petteri TIIPPANA
Vice Chair	ASN (FR)	Sylvie CADET-MERCIER
EC Official	EC	Massimo Garribba
Country Group (AMP)	UJD (SK)	Mikuláš TURNER
RPV and Calandria	ASN (FR)	Laurent STREIBIG
Cables	BMLFUW (AT)	Bojan TOMIC
Concrete Containment and PCPCVs	CSN (ES)	Carlos ANTA
Concealed Pipework	ONR (UK)	Ian BRAMWELL
Secretariat	EC	Ghislain PASCAL

Role:

- Provide leadership, governance for the TPR and guidance to officers and participants during the peer review process
- Supervise delivery of the peer review workshop
- Advise ENSREG on progress of preparations for the Topical Peer Review compared with its aims, objectives and plans
- Present the results to ENSREG (Summary Report)

1st Topical Peer Review: TPR Board, rapporteurs and experts appointed

- ✓ **Board: Chair, Vice-chair, EC, 5 Project Managers and Secretariat**
- ✓ **Rapporteurs:** 4 appointed (one for each Thematic Group) + 1 for the Ageing Management Programme Group
- ✓ **41 Experts split in 5 groups according to the different topics covered**
 - Ageing Management Programmes,
 - Electrical cables,
 - Concealed pipework,
 - Reactor Pressure Vessels,
 - Concrete containment structures
- ✓ **This Team of 54 people forms the core group for the peer review (19 national reports and May Workshop)**

1st Topical Peer Review – Where are we

- ✓ 19 countries in total with NPPs and/or research reactors

Belgium	Italy	Sweden
Bulgaria	Netherlands	United Kingdom
Czech Republic	Poland	Norway
Finland	Romania	Switzerland
France	Slovak Republic	Ukraine
Germany	Slovenia	
Hungary	Spain	

- ✓ Reports received during the 1st week of January 2018 and published on the ENSREG Website

<http://www.ensreg.eu/country-specific-reports/EU-Member-States>

<http://www.ensreg.eu/country-specific-reports/Other-Countries>

- ✓ Public Consultation on the reports launched from the 8 January and 28 February 2018

1st Topical Peer Review - Questions and Answers

- 13 March - Questions compiled and submitted to National Contact Points

Reviewer	No Q's
General AMP expert group	250
Cables expert group	152
Concealed pipework expert group	138
RPV expert group	163
Concrete containment PCPV expert group	251
Member States in addition to expert groups	996
European Commission	379
Total	2329

- 25 April – answers due from National Contacts

1st Topical Peer Review - Questions

- Questions from the Public (19 in total)
 - 18 to Belgium, 1 to Poland
- Range of questions to countries
 - 36 (Norway) to 233 (France)
 - No strict correlation to size of programme (e.g. NL 127, UK 137, SI 84)

Reviewer	No Q's
General AMP expert group	250
Cables expert group	152
Concealed pipework expert group	138
RPV expert group	163
Concrete containment PCPV expert group	251
Member States in addition to expert groups	996
European Commission	379
Total	2329

1st Topical Peer Review – Workshop in May

- Luxembourg 14.-18.5.2018
- Programme consists of national presentations and generic discussions
 - National presentations on AMPs and Thematic Areas - Results from the self-assessments and Q&A
 - Discussions on AMPs and Thematic areas facilitated by the PMs and Experts - Generic findings
- Schedule wise
 - AMPs Monday and Tuesday, Thematic areas on Wednesday and Thursday
 - Generic and country specific results discussed on Friday

Monday 14/05		
Opening Session (room Schengen I-II)		
	Country Group 1 (room Hollenfels) 15 min presentation + 30 min questions	Country Group 2 (room Schengen I-II) 15 min presentation + 30 min questions
09:00 – 09:30		
09:30 – 10:15	SL	ES
10:15 – 11:00	CEZ	FI
11:00 – 11:15	Coffee Break	
11:15 – 12:00	SE	BG
12:00 – 12:45	UK	DE
12:45 – 13:15	IT	PL
13:15 – 14:00	Lunch Break	
14:00 – 14:45	SK	FR
14:45 – 15:30	HU	NL
15:30 – 15:45	Coffee Break	
15:45 – 16:30	RO	BE
16:30 – 17:15	SW	UA
17:15 – 17:45	NO	
17:45 – 18:30	Meeting of Country Group (experts + rapporteurs + PMs)	
Tuesday 15/05		
Review of Ageing Management Programmes in the EU (room Schengen I-II)		
09:00 – 11:00	Thematic discussions on "Ageing Management Programmes"	
11:00 – 11:30	Coffee Break	
11:30 – 13:00	Thematic discussions on "Ageing Management Programmes"	
13:00 – 14:00	Lunch Break	
14:00 – 16:00	Thematic discussions on "Ageing Management Programmes"	
16:00 – 16:30	Coffee Break	
16:30 – 18:30	Meeting of Country Group (experts + rapporteurs + PMs)	

1st Topical Peer Review – Next steps

- ✓ Workshop in May 2018
- ✓ Preparations of Workshop summary report by the end of the May Workshop
- ✓ Summary Report to be finalised during 6th – 7th June 2018 and submitted to ENSREG
- ✓ ENSREG discussion and approval expected in its meeting (2nd July 2018)
- ✓ Public Consultation on the Summary Report to be organised during summer 2018
- ✓ 2nd public event to present the results and to discuss the feedback from the Public Consultation to be organised in September-October 2018
- ✓ ENSREG implementation plan by the end of 2018 and Follow-up

1st Topical Peer Review

1st Board Meeting



2nd Board Meeting



3rd Board meeting



1st Public event:
3rd May 2018

4th Board Meeting
3rd May



2nd Public event:
September 2018



Septembre

October

November

December

2018

January

February

March

April

May

June

July

2018

2017

Dates of the Peer Review Workshop confirmed by Board:
14-18 May 2018
2 last days of report preparation
6-7 June 2018

Final number of countries participating to the TPR confirmed:
19 countries

National reports published on the ENSREG Website and open for Public Consultation from 08/01 to 28/02

Transmissions to countries of questions from the experts and the public (5 March 2018)

Transmissions by the countries of replies to questions 25/04/2018

**Peer Review WS
14-18 May 2018**

WS report presentation to ENSREG Plenary for endorsement (2 July 2018)

Workshop report Table of Content approved by the Board (writing tasks distributed between PMs, Board, sec)

1st DRAFT of WS report (30 April 2018)

2nd DRAFT of WS report (18 May 2018)

FINAL WS report (7 June 2018)

Guidance documents for WS report preparation developed by PMs

Guidance documents for WS report preparation transmitted to experts (2 February 2018)

Thank you for attention

Questions