





International Perspective in Decommissioning of NPP in OECD Nuclear Energy Agency Countries

PREDEC

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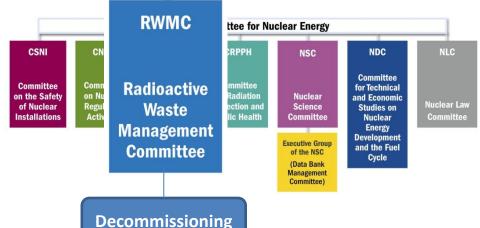


The NEA: A Forum for Co-operation for the Most Advanced Countries in the World

- Founded in 1958
- 31 member countries
- 7 standing technical committees
- 75 working parties and expert groups
- 21 international joint projects
- Like-minded countries!

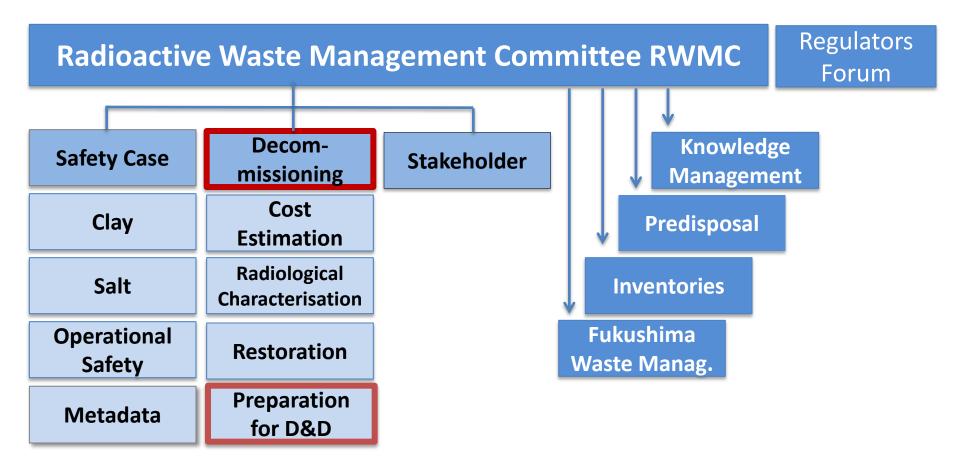












OECD/NEA joint projects in the radioactive waste management area:

- Co-operative Programme for Decommissioning (CPD)
- Thermochemical Database (TDB)
- NEA/IAEA/EC: Status and Trends in Radioactive Waste Management





Status Quo in Decommissioning of Nuclear Power Reactors

Situation ¹	In operation	Shutdown/under decommissioning	Fully decommissioned
Nuclear Power Reactors Worldwide	441	155	15
Nuclear Power Reactors OECD NEA	360	140	15





Future Challenges in Decommissioning in OECD NEA Expected Shutdowns for Decommissioning

America and Asia

Country	Permanent Shut Down*	Decommissioning completed	NPR In Operation*	Shut Down before 2030**
U.S.A	33	12	99	C***
Canada	0		19	14
Korea			24	
Japan	16		43	23

^{*}based on PRIS database

^{**} based on shutdown after 40 years operational time

^{***} due to license extension for several reactors



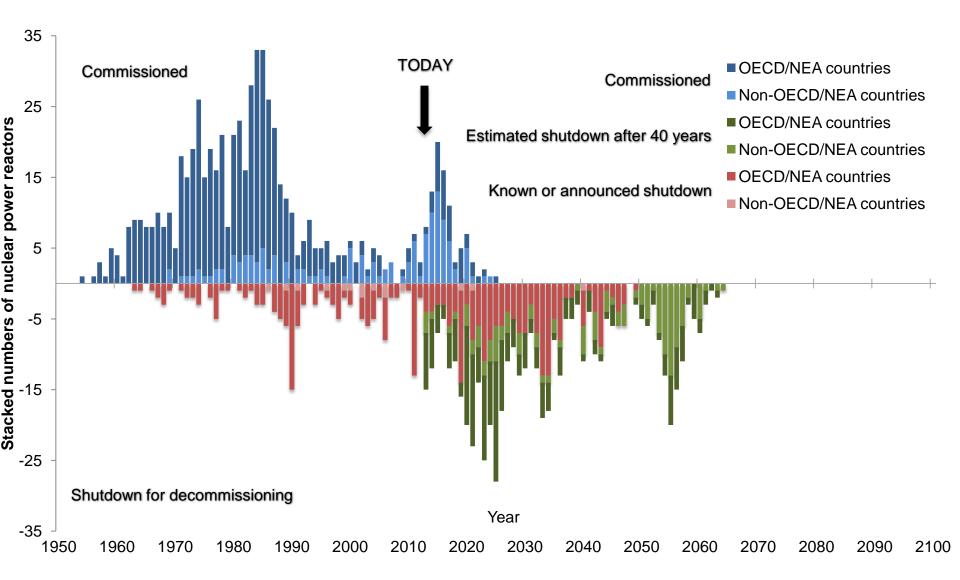


Future Challenges in Decommissioning in OECD NEA Expected Shutdowns for Decommissioning Europe

Country	Permanent Shylc Do yn*	Decommissioning completed	NPR In Operation*	Shut Down before 2030**
UK	30		15	18
France	12		58	0 ***
Finland	0		4	
Germany	28	3	8	8
Hungary	0		4	
Russia	5		35	23
Belgium	1		7	
Sweden	3		10	4
Switzerland	1		5	4
Spain	2		8	8
Italy	4		0	0
Netherlands		n PRIS database on shutdown after 40 years oper	1 ational time	0
Slovakia		to license extension	4	0

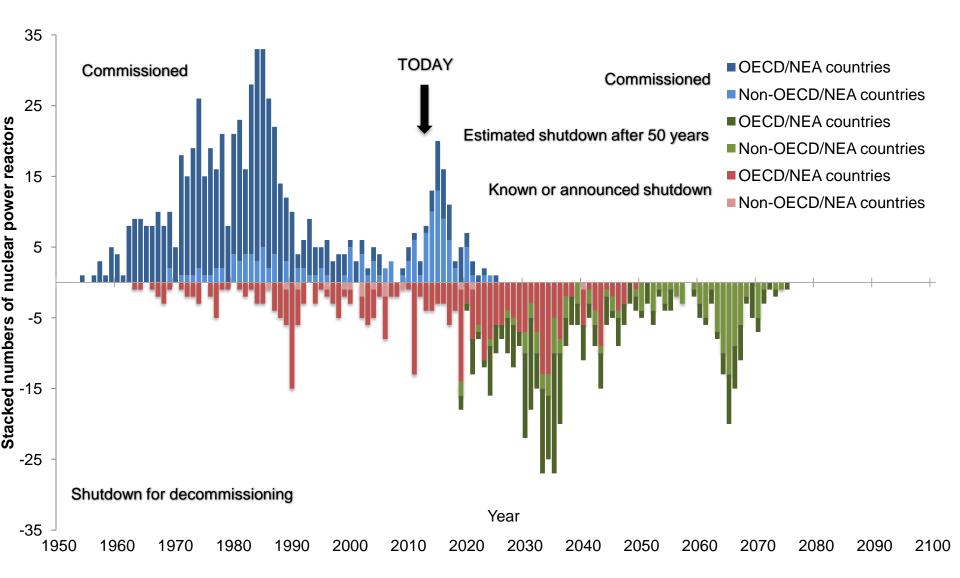






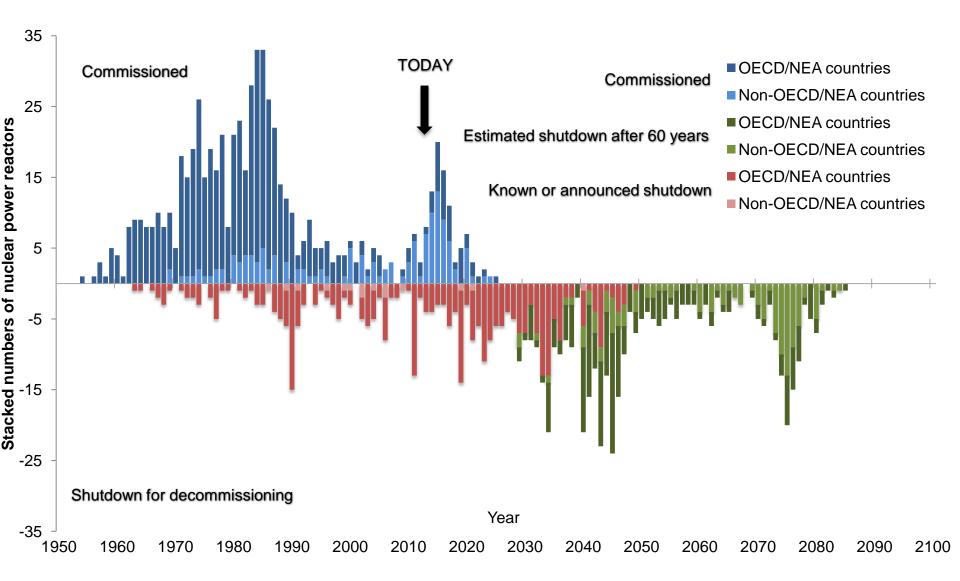






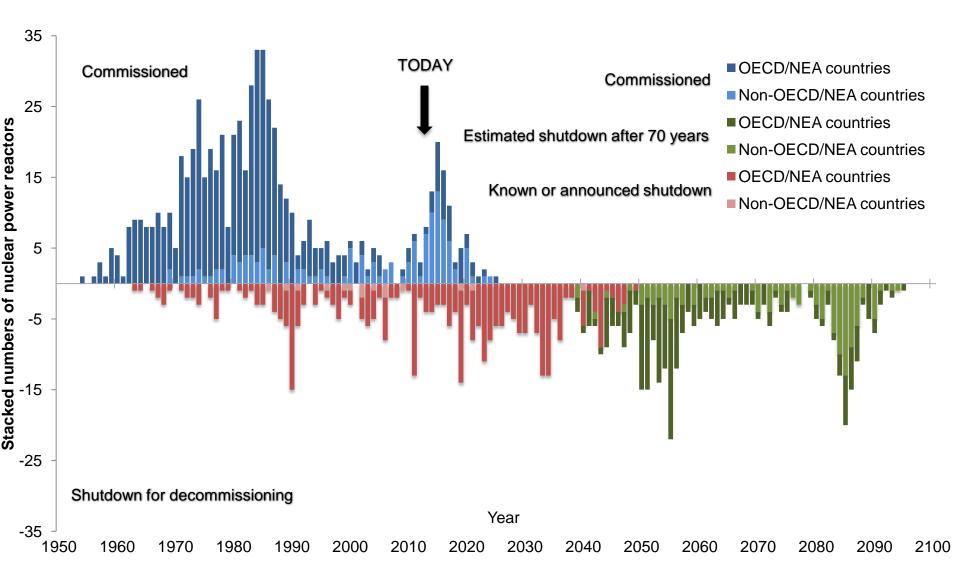








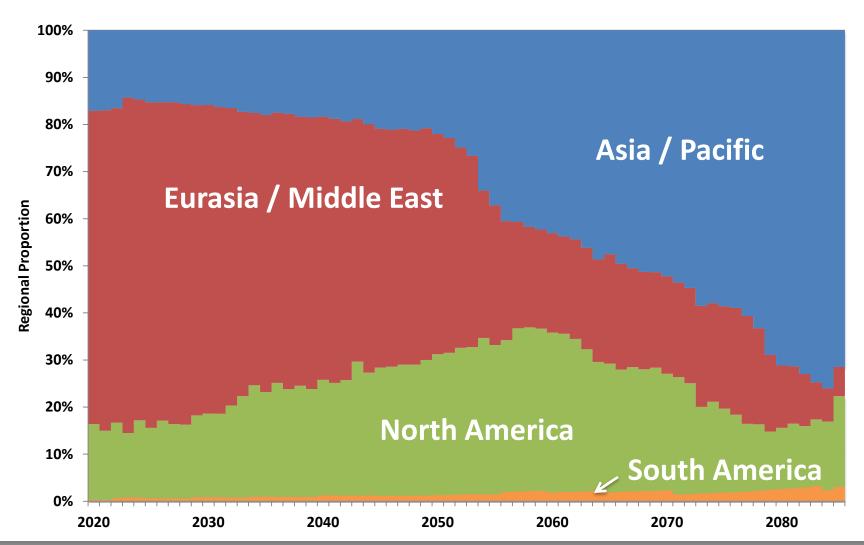






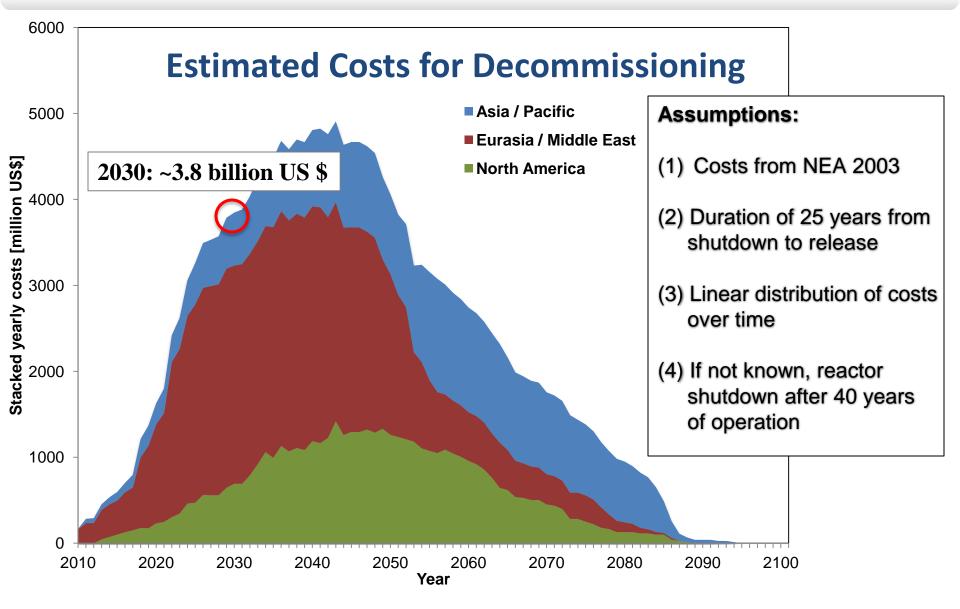


Regional Proportional Decommissioning Costs













Thank you very much for your attention!

And good luck!

Initiators:

Co-Sponsors:

NEA Task Groups:

- Preparing for
 Decommissioning
 during Operation and
 after Final Shutdown
 TGPFD
- Radiological
 Characterisation for
 Decommissioning
 TGRCD











