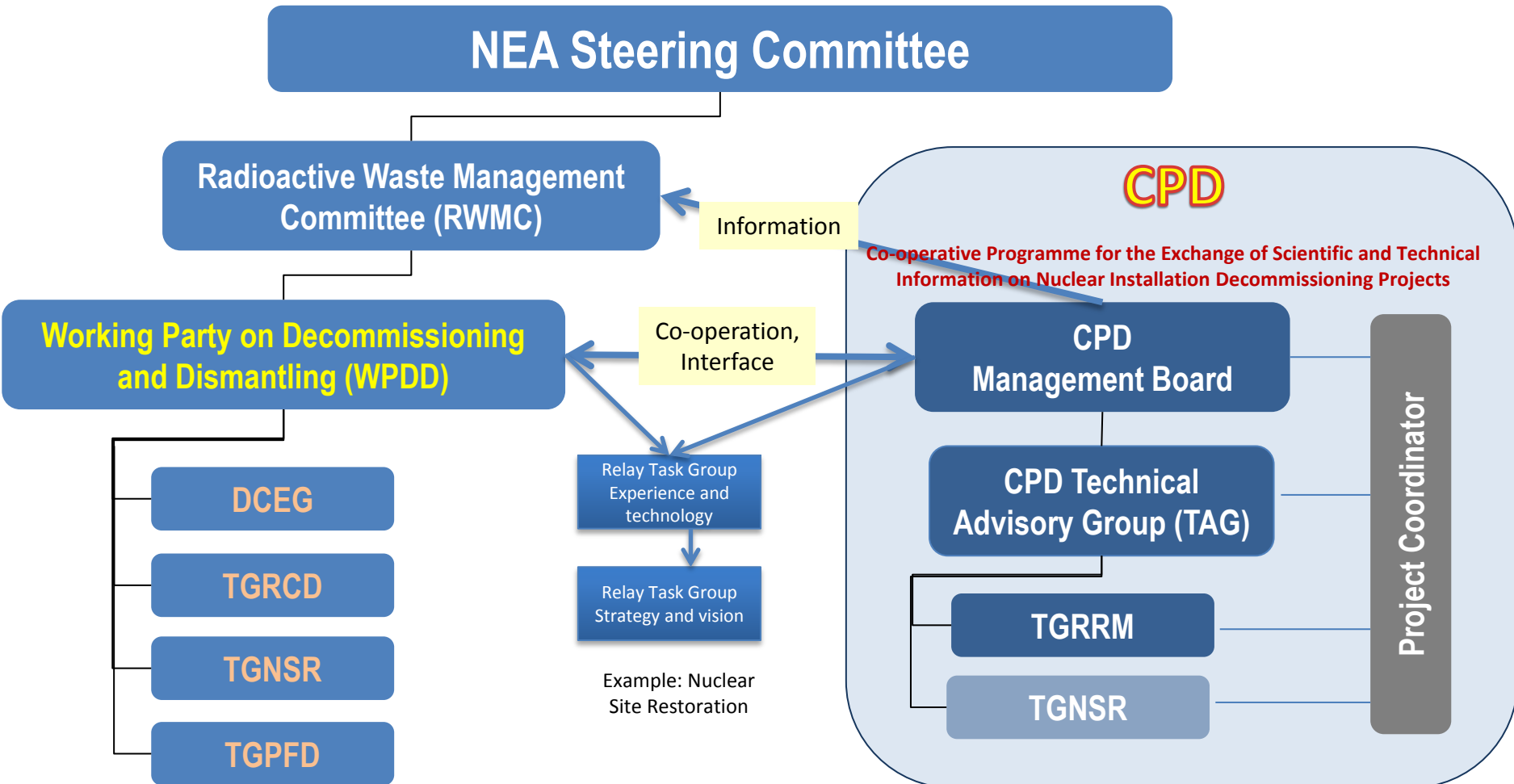


# Decommissioning and Dismantling at NEA

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OECD Nuclear Energy Agency

**#128: Roundtable – Working Party on Decommissioning and Dismantling  
Key Activities and Findings  
WM2015 – Phoenix, AZ – 19 March 2015, pm**

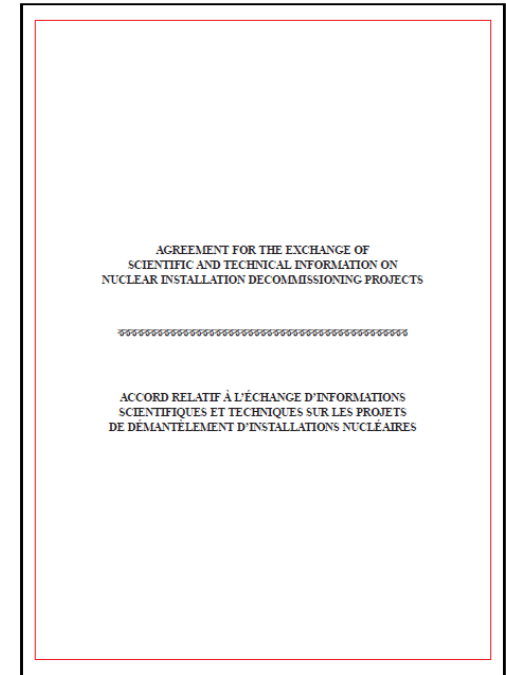
## Decommissioning and Dismantling at NEA



## CPD: 30 years of exchange of information

### Co-operative Programme for the exchange of Scientific and Technical Information Concerning Nuclear Installation Decommissioning Projects

- Joint undertaking of 66 **decommissioning projects**. Great majority from NEA countries. **No policy maker or regulator**.
- The fundamental principle is that of sharing, i.e. “Give & Take” technical and scientific information. Each project provides funding for running the CPD.
- Confidentiality and funding assured by Agreement (access by protected password) **maintained**
- However, important interactions and synergies searched with WPDD (see the work on the Nuclear Site Restoration)



## CPD: 30 years of exchange of information

66 Projects, 26 Organisations, 14 Countries + EC

- ✓ 38 NPP's and Research Reactors (26 cat. 1)
  - PWR, BWR
  - GCR, AGR, HTGR, VVER
  - FBR (sodium cooled)
  
- ✓ 25 Fuel Cycle Facilities (20 cat. 1)
  - Radio-chemical labs, fuel storage bay,
  - Reprocessing facilities
  - Fuel material plants
  
- ✓ Chinshan NPP 1&2 project has been recently added and Danish Decommissioning accepted
- ✓ Russian Bochvar Institute is already in the pipeline of affiliation
- ✓ Other new entries are expected soon



## The WPDD

- Working Party on Decommissioning and Dismantling (WPDD)
- A discipline-oriented group of the Radioactive Waste Management Committee (RWMC)
- Composed of nominees from NEA Member countries with responsibility, overview, and/or experience in the field of decommissioning.

## The WPDD

- The WPDD takes advantages of a mixed regulator/ implementer/ R&D/policy membership
- It operates at a strategic and policy level: it observes which are the emerging issues, provides an overview of the status of the art and, also, works to advance the issues.
- The WPDD has a number of technical subgroups

## WPDD

### Decommissioning Cost Estimation Group (DCEG)

- Since 2008
- Extended mandate till 2016
- Members: ~45 (16 countries)
- DCEG Core Group
- **Current focus:** uncertainties in decommissioning cost estimations

Publications: 5 (+1)

Expert Group on Uncertainties (joint WG with IAEA) (DCEG-EGU)

### Task Group on Radiological Characterisation and Decommissioning (TG-RCD)

- Since 2011
- Extended mandate till 2015
- Members: ~15 (8 countries)
- **Current focus:** strategies for optimisation of characterisation in a waste and materials end-state perspective

Publications: 1

### Task Group on Nuclear Site Restoration (TG-NSR)

- Since 2014
- Mandate till 2015
- Members: ~25 (11 countries)
- **Focus:** recommendations to consider in the development of strategies and plans for site remediation

### Task Group on Preparation for Decommissioning during Operation and after Final Shutdown

- Launched in March 2015
- Mandate till 2017
- Members: ~15 (10 countries)
- **Focus:** optimisation of activities and measures with regard to preparation of the dismantling

#### Former Task Groups:

- Task Group on the **Decommissioning Safety Case**
- Task Group on **Release of Materials, Buildings and Sites**
- Task Group on **Large Components**
- Task Group on **Funding**
- Task Group on **Strategy Selection**
- Task Group on **Future R&D and Innovation Needs for Decommissioning**

## Future Topics

### Topics raised at latest WPDD meeting (to be discussed in future):

- Decommissioning strategies: Deferred Decommissioning, slow dismantling, safe storage
- Reuse of Nuclear Sites after Decommissioning
- Graphite management and disposal
- Disposal of hazardous (chemical), low radioactive substances

### Planned Topics in the work programme

- Waste management logistics for decommissioning
- Organisational aspects of decommissioning
- Knowledge and record management  
(knowledge & experience retention and transfer; training & education; record keeping)
- Decommissioning in harsh and atypical conditions  
(transfer of decom experience from facilities after accident to normally operated ones)

### Next meeting (WPDD-16):

- 23-25 November 2015 (3 days) at NEA Offices, Issy-les-Moulineaux
- Topical Sessions to be defined



## Conferences / Workshops / Symposia

### NEA Co-Organisation:

- "Decommissioning of Nuclear Facilities: Strategies, Practices and Challenges" (Russian Federation) **10-12 Nov 2015**
- IAEA-NEA Conference "Advancing the Global Implementation of Decommissioning and Environmental Remediation Programmes" (Madrid, Spain) **23-27 May 2016**

### NEA Organisation:

- „Preparation of Nuclear Facilities for Decommissioning“ (working title)  
(Lyon, France) **16-18 Feb 2016**

## Example recent publications

In press	<b>The Practice of Cost Estimations for Decommissioning of Nuclear Facilities</b>
2014	<b>Guide for International Peer Reviews of Decommissioning Cost Studies for Nuclear Facilities</b>
2014	<b>Nuclear Site Remediation and Restoration during Decommissioning of Nuclear Installations. A report by the NEA Co-operative Programme on Decommissioning (CPD)</b>
2014	<b>R&amp;D and Innovation Needs for Decommissioning Nuclear Facilities</b>
2014	<b>Sourcebook of the IAEA, EC and NEA References in Decommissioning – February 2014</b>

# Thank you