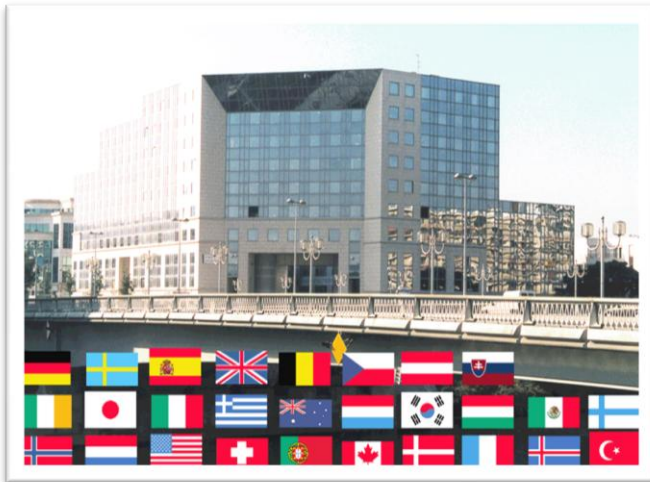


History of WPDD Significant Tasks & Consequences The Recent Years



Ivo Tripputi
WPDD chairman

WPDD-12

Nov 16th, 2011

A Special Seminar
Commemorating the 10th
Anniversary of WPDD

WPDD Storyboard

- Reviewing WPPD storyboard is like passing through the challenges of nuclear installations decommissioning, understanding the difficulties and appreciating solutions and success stories
- I do not know how many of us, even members since a long time of the group, had the opportunity to look back to the huge amount of work that has been done, giving the limited budget and resources
- I will try to summarize the activities and the results of the group since 2005

The chairmen

- I would like to mention my predecessors, who helped to set the stage and to anticipate the name of proposed next chairman, who is a long term friend of mine and one of the most knowledgeable and experienced member of the group
 - Stanley Gordelier (v. chair Ernst Warnecke) -2001-2004
 - Ernst Warnecke (v. chair Vincent Massaut) – 2004-3/2005
 - Vincent Massaut 3/2005 – 11/2005
 - Ivo Tripputi (co-chair Doug Metcalf) 2005-2011
 - Next (formal decision during the meeting) proposed chairman Juan Luis Santiago (co-chair Doug Metcalf)

WPDD peculiarities

- WPDD is the only NEA standing party (discipline-oriented subgroup) focussed on decommissioning
 - This allows the group to assure continuity in its activities
 - At this moment mandate extended to 2013
- Attention has been paid not to duplicate the work of other agencies; but OECD has a different role and different objectives with regard for example to IAEA
- Topical sessions have been a significant addition to WPDD productivity
 - Every year a subject of particular interest is discussed among all experts (also non WPDD members) and generates status reports and other references

A Short History of Topical Sessions since 2005

YEAR	TITLE	HIGHLIGHTS
2006	Emerging issues and trends in regulatory practices during the decommissioning and dismantling of nuclear power plants	Specific licensing issues and a balance between risks and regulations
2007	Human and Organizational Factors	Including the safety culture issue
2008	Applying Decommissioning Experience to the Design and Operation of New Plants	Lessons learned shall be geared into the design process of new plants
2009	Management of Large Components From Decommissioning To Storage To Disposal	A key issue influencing decommissioning projects
2010	R&D Needs for Decommissioning	Mature industry, but several aspects requires R&D efforts
2011	Radiological Characterisation And Decommissioning	Characterization a key decommissioning activity



Some comments

- Let me underline only 3 of the most original contributions given by the group:
 - Decommissioning lessons learned
 - New reactors already consider decommissioning needs, but much more can be done, that may further improve also plant maintenance
 - «Decommissioners» shall share their experiences with NPP designers
 - Of course Lessons learned are important for decommissioners themselves



Some comments

- Safety culture
 - Specific challenges are typical of decommissioning projects. The need to maintain and continuously improve the safety culture requires specific tools in decommissioning
 - Organizational factors are of particular importance; transitions shall be properly managed



Some comments

- Stakeholders
 - Decommissioning is a rather environmental friendly activity and the aim is to remove radiological constraints from the land, however there is still the need of a strong consensus, which starts from transparency and understanding and continues with listening to the positions and reasons of all stakeholders
 - Work done with the RWMC/FSC

Country overviews 2005-2011

YEAR	LOCATION	
2006	Paris	French decommissioning scene and visit to Fontanay-Aux.Roses CEA research center
2007	Steventon (UK)	UK decommissioning scene and vist at the Harwell UKAEA research center
2008	Senec (Slovak Republic)	Slovakia decommissioning scene and vist to the Bohunice A reactor in decommissioning
2009	Paris	Visit to centre de L'Aube/Morvilliers or Creys Malville
2010	Washington (USA)	USA decommissioning scene and visit to Savannah River site
2011	Paris	Celebration of 10° year of WPDD



Studies, reports, etc. (since 2005)

- Releasing the Sites of Nuclear Installations, ISBN 92-64-02307-0
- The International Structure for Decommissioning Costing (ISDC) (jointly with EC and IAEA – in print)
- Cost Estimation for Decommissioning: International Overview of Cost Elements, Estimation Practices and Reporting Requirements (DCEG Report, 2010)
- Towards Greater Harmonisation of Decommissioning Cost Estimates (DCEG) (Booklet, jointly with IAEA) (also in French, 2010)

Studies, reports, etc. (since 2005)

- Applying Decommissioning Experience to the Design and Operation of New Nuclear Power Plants (WPDD Report, also in French, 2010)
- Decommissioning Considerations for New Nuclear Power Plants (Booklet, jointly with IAEA) (also in French, 2010)
- A Map of International Activities in Decommissioning and Dismantling (Committee Report, Annual Update, on the web)
- Proceedings of the WPDD-11 Topical Session on "R&D Needs for Decommissioning"
- Decommissioning of Nuclear Plants: It Can and Has Been Done rev. 1

In the pipeline

- Status report on R&D needs for decommissioning (2012)
- Status report on characterization and decommissioning (2013)
- Statement on decommissioning cost comparability
- Status report on management of large components from decommissioning (final, to be approved)
- Decommissioning Cost Control Report (2012)
- Decommissioning Cost Control Guide (2012)

Active Task Groups

- Decommissioning Cost Estimation Group (DCEG)
 - standing group
- Management of Large Components from Decommissioning
- Future R&D and Innovation Needs for Decommissioning
- Radiological Characterisation and Decommissioning



The Future of WPDD

- The importance and the role of WPDD has been reinforced by RWMC
- More nuclear installations will be decommissioned, some of them prematurely
- There are already a number of proposals for outlining the new strategic plan of the group, but there is also the need to wait for more precise guidance from RWMC
- It appears that costs, funding and efficiency will remain as important issues to be tackled
- **IDEAS AND SUGGESTIONS ARE WELCOME**

The Future of WPDD

- Fukushima effects: Japanese accident fall-out will have implications also on decommissioning sector
 - Some plants will be shutdown, updated safety criteria may be impacted, interim and final waste storage facilities safety cases may be challenged, etc.
 - Demonstration that also a plant can be safely maintained and finally decommissioned after a major accident is important
 - Public confidence in the overall nuclear sector will be badly affected and a recovery strategy is necessary (stakeholder confidence)
 - Site remediation techniques will be a major issue

The strengths of the Party

- The proper mix of experiences (geographical mix and responsibilities mix)
- The tight connection and synergy with the CPD
- The interest and support of RWMC
- The openness of discussions
- The complementarity with the IAEA work on the same subjects



Some weaknesses

- Time allotted by the participants for an active participation
- Still unsatisfactory integration and complementarity with other NEA groups and Committees and other international organizations
- Larger participation and a better mix would be welcome
- Outreach should be improved, since our products are less known than for example IAEA reports

Some personal notes to finish

- I have been part of this group since the beginning (2001); I am stepping down as chairman but I plan to remain as member of the group
- I had the opportunity to meet an outstanding number of international experts, enjoying both their technical competence and their friendliness
- I want to thank also my co-chairman, Doug Metcalf, who has the rare combination of being a real expert on decommissioning and related environmental issues and a very friendly and available person
- I could not forget the essential role and the strong support received as chairman from the OECD/NEA organization, starting from Hans Riotte and Claudio Pescatore, but including also the secretariat support of Torsten Eng, Patrick O'Sullivan and now Ivan Rehak and the entire RWMC staff