

**NUCLEAR ENERGY AGENCY
RADIOACTIVE WASTE MANAGEMENT COMMITTEE**

Cancels & replaces the same document of 7 January 2020

**NEA Joint Workshop on the Multifactor Optimisation of Predisposal
Management of Radioactive Waste**

Provisional Agenda

10-14 February 2020
Conference Centre, OECD Headquarters
Paris France

All Updates and relevant material will be available on the password protected webpage:
https://www.oecd-nea.org/download/rwm/PREDISPOSAL_MGMT/Index.html

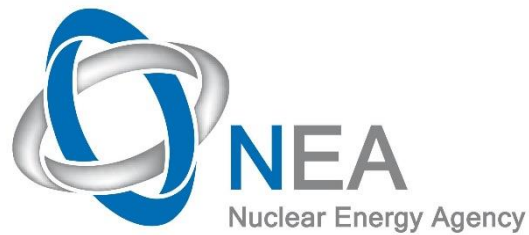
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*NEA Joint Workshop on the Multifactor Optimisation
of Predisposal Management of Radioactive Waste*

Provisional Agenda

Please note this agenda is subject to change

10 – 14 February 2020

OECD Headquarters
Conference Centre (Room CC 12)
2, rue André Pascal
75016 Paris
France

DAY I
Monday 10 February 2020

Time	Item	Related Material
PLENARY SESSION		
09:30	➤ Welcome Remarks <i>William D. MAGWOOD IV, Director General, NEA (TBC)</i>	
09:45	➤ Welcome Remarks from the Chair of RWMC <i>Hiroyuki UMEKI, RWMC Chair</i>	
INTRODUCTION SESSION		
10:00	➤ Introduction of the Workshop Objectives, Organisation and Sessions <i>Rebecca TADESSE, Head of RWMD, NEA</i>	Presentation
10:20	➤ International Initiatives Concerning the Optimisation of Predisposal RWM <i>IAEA (TBC)</i>	Presentation
10:40	<i>Coffee Break</i>	
11:20	➤ International Initiatives Concerning the Optimisation of Predisposal RWM (continued) <i>Gianfranco BRUNETTI, EC</i>	Presentation
11:40	➤ NEA Activities Concerning RW Management, Perspectives <i>Hiroyuki UMEKI, RWMC Chair</i>	Presentation
12:00	<i>Lunch Break</i>	
RWMC SESSION		
13:30	➤ Session Introduction by the Session Chair <i>Hiroyuki UMEKI, RWMC Chair</i>	Oral Report
13:40	➤ Optimisation Of Predisposal Radioactive Waste Management - Systemic Approach of a Complex Issue <ul style="list-style-type: none"> - Short introduction to the concept of optimization - An historical digression - Holistic approach of predisposal of radioactive waste - Optimization of predisposal of radioactive waste <i>Jean-Paul MINON, Former RWMC Chair</i>	Presentation Paper
14:10	➤ The Technical Factors Impacting the Optimisation of RWM <ul style="list-style-type: none"> - new/advanced technologies; - WAC; 	Presentation

- IDKM;
- new materials;
- specific/difficult types of RW;
- availability of disposal capacities;
- optimal approaches to the treatment of RW

Peter SWIFT, SANDIA Lab

14:40 ➤ **Regulator's Role in the Optimisation of Predisposal Management of RW**

Presentation

- competency,
- flexibility,
- prioritisation,
- others

Walter BLOMMAERT, RF Chair

15:00 *Coffee Break*

15:30 ➤ **Human Factors and Stakeholders' Interests Concerning the Optimisation of Predisposal RW Management**

Presentation

- personnel,
- implementer,
- decision-maker,
- public,
- others

(TBC)

16:00 **Break-out Groups Discussion**

- Topics will be prepared and proposed.

18:00 **End of First Day**

18:20 **Cocktail Reception**

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DAY II
Tuesday 11 February 2020

Time	Item	Related Material
PLENARY SESSION		
09:30	➤ Sharing Results Among Groups & Discussions <i>Slides preparation by Group Leaders</i>	Oral Report/Slides
10:40	<i>Coffee Break</i>	
11:00	➤ Panel Discussion with the whole group <i>Chair of each Group, Hiroyuki UMEKI, RWMC Chair</i>	
11:50	Closure of RWMC SESSION	
12:00	<i>Lunch Break</i>	
CDLM SESSION		
13:30	➤ Session Introduction by the Session Chair <i>Christine GEORGES; CEA, France</i> <i>Boris BRENDEBACH; BMU, Germany</i>	Oral Report
13:40	➤ Holistic view on predisposal RW management aspects in decommissioning of NPP <ul style="list-style-type: none"> - description and classification of radioactive residues - expected RW streams - treatment and conditioning planning (on-site and offsite) - clearance (if applicable) - needs for transport and storage logistics <i>Energy Solution, USA (TBC)</i>	Presentation
14:10	➤ Holistic view on predisposal RW management aspects in decommissioning of complex facilities considered “legacy” <ul style="list-style-type: none"> - description and classification of radioactive residues - expected RW streams - treatment and conditioning planning (on-site and offsite) - clearance (if applicable) - needs for transport and storage logistics <i>Elena SHCHELKANOVA, Leading Specialist of Andreeva Bay Division of the North-Western Center for Radioactive Waste Management “SevRAO”</i>	Presentation
14:40	➤ Inventorying / Characterisation to: <ul style="list-style-type: none"> - estimate waste streams - define processing needs - to demonstrate fulfilling of WAC - for clearance <i>TBC</i>	Presentation

15:00 *Coffee Break*

15:30	➤ Dismantling and Decontamination Techniques and Associated Generation of Secondary RW <i>EWN, Germany</i>	Presentation
15:50	➤ Break-out Session on necessities for: <ul style="list-style-type: none">- role of the end-state in the predisposal management of RW- R&D for dismantling techniques- R&D for decontamination techniques- R&D for processing techniques- availability of waste containers- transport- waste routes for mixed waste (e.g. RW + chemical) or special types of waste (e.g. difficult for treatment)- international collaboration to address needs in the predisposal management of radioactive waste	
17:00	➤ Sharing Results Among Groups & Discussions	Oral Report/Slides
17:40	➤ Conclusions from the Session Chair, Discussion in Whole Group, Finalising <i>Christine GEORGES; CEA, France</i> <i>Boris BRENDEBACH; BMU, Germany</i>	
18:00	Closure of Session & End of Second Day	

DAY III
Wednesday 12 February 2020

Time	Item	Docs
NDC SESSION		
09:30	➤ Session Introduction by the Session Chair <i>(TBC)</i>	Oral Report
09:40	➤ Criteria and methods to investigate back-end strategies <ul style="list-style-type: none"> - Presentation of the forthcoming NDC backend strategies report Methods and tools to evaluate backend strategies IAEA work on the economics of extended storage <i>(TBC)</i>	Presentations (TBC later)
10:40	<i>Coffee Break</i>	
11:00	➤ Case studies on extended storage strategies and policies <ul style="list-style-type: none"> - National perspectives from NEA member countries Perspectives from the industry stakeholders <i>(TBC)</i>	Presentations (TBC)
11:45	➤ Conclusions from the Session Chair	
12:00	<i>Lunch Break</i>	
NLC SESSION		
13:30	➤ Introduction by the Chair of the NEA Nuclear Law Committee <i>Roland DUSSART-DESART, NLC Chair (Belgium)</i>	
13:40	➤ The International Legal Framework Relating to Radioactive Waste Management <i>Chair: Nuria PRIETO SERRANO, Lawyer, Technical Division / Department of International Relations, ENRESA (Spain)</i>	
13:45	○ Main international instruments <i>Nuria PRIETO SERRANO, Lawyer, Technical Division / Department of International Relations, ENRESA (Spain)</i>	Presentation
14:00	○ Main EU instruments <i>Aur�lie DURAND, Legal Officer, European Commission, Directorate-General for Energy, European Commission</i>	Presentation
14:15	○ Challenges of implementing such framework at the national level: the Finnish experience <i>Jaakko LEINO, Section Head, Nuclear Waste Safety Assessment, Nuclear Waste and Material Regulation, Radiation and Nuclear Safety Authority (STUK) (Finland)</i>	Presentation

14:30	○ Challenges of implementing such framework at the national level: the German experience <i>Christoph BUNZMANN, Federal Office for the Safety of Nuclear Waste Management (BMU) (Germany)</i>	Presentation
14:45	○ Discussion on Topic <i>Chair and Panellists</i>	
15:05	<i>Coffee Break</i>	
15:25	➤ Nuclear Third Party Liability as Applicable to Radioactive Waste <i>Chair: Roland DUSSART-DESART, NLC Chair</i>	
15:30	○ Overview of the international nuclear liability conventions <i>Elena DE BOISSIEU, Legal Adviser, NEA Office of Legal Counsel</i>	Presentation
15:45	○ NTPL and transport of radioactive waste <i>Elena AZAEVA, TENEX, Joint-Stock Company, Legal Department (Russia)</i>	Presentation
16:00	○ The insurance sector's perspective <i>TBC</i>	Presentation
16:15	○ Discussion on Topic <i>Chair and Panellists</i>	
16:35	➤ The Transboundary Aspects of Predisposal Management <i>Chair: Benjamin MAQUESTIEAU, Deputy Director General, ONDRAF (Belgium)</i>	
16:40	○ Managing radioactive waste generated by foreign operators: a French experience <i>Laurence CHABANNE-POUZYNNIN, ORENO, General Counsel Public, Nuclear, Environmental & Real Estate Law Department</i>	Presentation
17:00	○ Managing radioactive waste generated by foreign operators: a Swedish experience <i>Arne LARSSON, VP Technology, Cyclife Sweden AB</i>	Presentation
17:15	○ Managing the radioactive waste generated by the Krško Nuclear Power Plant (NEK) <i>Leon KEGEL, Head of Planning and Development Section, ARAO-Slovenian Agency for Radioactive Waste Management</i>	Presentation
17:30	○ Discussion on Topic <i>Chair and Panellists</i>	
18:00	Closure of Session & End of Third Day	

DAY IV
Thursday 13 February 2020

Time	Item	Related Material
CRPPH SESSION		
09:30	Radiological Protection Aspects of Pre-disposal – Introduction by the Session Chair <i>(TBC)</i>	Oral Report
09:40	Balancing Protection from RP and other Occupational RW Management Risks <ul style="list-style-type: none"> - types of risks for the public, workers and the environment; - how these risks can be balanced in identifying optimum RP solutions; - management of risks for workers from a Canadian U-mining facility <i>(TBC)</i>	Presentations
10:10	Optimisation of public exposure protection from RW management operations <ul style="list-style-type: none"> - public exposure aspects of RW management in post-accident recovery situation; Fukushima clean-up experience (assessments, clean-up, RW initial storage, RW transportation and final storage) <i>(TBC)</i>	Presentation
10:40	<i>Coffee Break</i>	
11:00	Optimisation of Public Exposure Protection from RW Management Operations <ul style="list-style-type: none"> - Aspects of workers exposure in the management of RW after decommissioning; Experience from Decontamination of NPPs in Germany <i>(TBC)</i>	Presentation
11:30	Discussion <ul style="list-style-type: none"> - Series of pre-developed questions; - Key elements of an optimum protection solution; - Criteria for identifying the optimum protection solutions Conclusions by the Session Chair <i>Moderator (TBD)</i>	Presentations
11:50	Conclusions by the Session Chair <i>Moderator (TBD)</i>	
12:00	<i>Lunch Break</i>	

NUCLEAR SCIENCE COMMITTEE AND MANAGEMENT BOARD FOR THE DEVELOPMENT, APPLICATION AND VALIDATION OF NUCLEAR DATA AND CODES		
13:30	Introduction by the Chairs <i>Andreas PAUTZ, PSI, Switzerland</i> <i>Marcus ALTMAIER, KIT-INE, Germany</i>	Oral Report
13:45	Work at PSI to Support Interim Storage of Spent Nuclear Fuel <i>Andreas PAUTZ, PSI, Switzerland</i>	Presentation
14:10	Interface Between Pre-disposal and Final Disposal of Waste. Thermodynamic Challenges <i>Marcus ALTMAIER, KIT-INE, Germany</i>	Presentation
14:35	Thermodynamic Data for Conditioning and Vitrification of Nuclear Waste <i>Sophie SCHULLER, CEA, France</i>	Presentation
15:00	<i>Coffee Break</i>	
15:30	Decay Heat Data and Calculations <i>Anders SJÖLAND, SKB, Sweden</i>	Presentation
15:55	Isotopic Composition of SNF – SFCOMPO 2.0 Database or/and Criticality Issues <i>(TBC)</i>	Presentation
16:20	Radioactive waste from advanced fuel cycle reprocessing technologies in Russia <i>Anzhelika KHAPERSKAYA (Rosatom, Russian Federation)</i>	Presentation
16:45	Use of ADS systems to reduce minor actinides content in spent fuel and potential impact on the Geological Disposal of HLW <i>Tatiana IVANOVA (Head of SCI, NEA)</i> <i>Kenya SUYAMA (Head of DB, NEA)</i>	Presentation
17:00	Panel discussion <i>All</i>	Questions from the floor
18:00	Closure of Session & End of Fourth Day	

DAY V
Friday 14 February 2020

Time	Item	Related Material
OUTCOMES SESSION		
09:30	Summary of the Workshop from Rapporteur <i>Mike GARAMSZEGHY (Consultant, Canada)</i>	Presentations
10:00	Panel Chair Discussions “Path forward and Areas of Collaboration on Predisposal Management” <i>All participants</i>	
12:00	Conclusions of Workshop <i>Workshop Chair</i>	
13:00	WORKSHOP ADJOURNED	