

PREDIS Whole consortium workshop May 2023

Final agenda *(version 11.5.2023)*

- Time: 22.-26.5.2023
- Location: Conference Centre Lamot Mechelen, Belgium
 - Congres- en Erfgoedcentrum Lamot, Van Beethovenstraat 8-10, 2800 Mechelen
 - <https://lamot-mechelen.be/en/>
- Meeting is organised in-person
 - MS TEAMS link will be provided for sessions to listen in
 - Registration has ended. If you cannot attend, please cancel on time*

Participation to the workshop is free of charge.

* Cancellation by email to erika.holt@vtt.fi and CC to elke.jacops@sckcen.be. If the cancellation is received less than 10 business days prior to the event, or no show, a cancellation fee of 150 euro will be applied for each reserved space.

Monday 22.5.2023

Afternoon session, Time: 13 – 18 CET

13-18 WP1 Management Team – Restricted attendance by invite only, Maria Oksa (VTT) host

- Location: room Herten Aas

Agenda:

- Periodic reporting RP2 summary, VTT
- Way forward until the end of the project, ALL
 - o Risks, need for changes, milestones, deliverables, dissemination actions, data management
- Final event in France, CEA
- MT meeting at BAM, autumn 2023
- Other coming events
- Other issues

12-18 WP3 Students session, Jenny Kent (GSL) host

- Location: room Dijezaal

Course objective: To improve participants understanding of the technical background for each WP to support their engagement in the project, including understanding of the presentations and active participation in workshop discussions at the Annual Meeting.

Target audience: 1tudents and young professionals in the pre-disposal waste management sector. Also less-experienced colleague or new entrant to the project in the past few months

Opportunity for PREDIS partners and End Users to attend lectures remotely via Teams: [Teams link here](#).

Programme:

Start Time	Item No	Topic	Name	Organisation	WP No
12.00	0	Sandwich lunch available, networking	-	-	-
13:00	1	Introductions to the PREDIS Fundamentals course and to each other	Jenny Kent	GSL	3
13:30	2	<i>Waste Acceptance Systems</i> (40+5 mins questions)	Lumir Nachmilner	CVRez	2
14:15	6	<i>Solid organic waste treatment and conditioning fundamentals</i> (40+5 mins questions)	Karine Ferrand	SCK CEN	6
15:00	4	Break			
15.15	5	<i>Geopolymers for treatment and conditioning of liquid organic waste</i> (40+5 mins questions)	Quoc Tri Phung	SCK CEN	5
16:00	3	<i>Metallic nuclear waste challenges and their treatment options</i> (40+5 mins questions)	Tom Carey	NNL	4
16:45	7	<i>Innovations in PREDIS WP7: Sensors, Data and Digital Twins</i> (40+5 min)	Rosa Lo Frano	DICI-University of Pisa	7
17:30	8	Wrap-up discussion Feedback on training course	Jenny Kent	GSL	3
18:00		End of training course			

Tuesday 23.5.2023

Management, Strategy and Knowledge Management – all PREDIS partners

Time: 8:30 – 18 CET

Location: Auditorium, Maria Oksa (VTT) host

[Teams-link here](#)

8:30-9:15 Registration – be onsite latest by 9:00

9:15-9:45 **Welcome** by VTT, SCK CEN and EC officer

9:45-10:45 **WP1 Management & Dissemination**

- PREDIS project update, Maria
- Financial review, Sirkku Hoikkala, VTT
- Dissemination activities

10:40-10:50 EURAD- PREDIS status on collaboration, Tara Beattie, EURAD PMO

10.50-11.20 Coffee break

11.20-12.15 **WP2 Strategic Implementation**

- Update on the PREDIS Strategic Research Agenda (Task 2.2), Anthony Banford / Alan Wareing, NNL
- Update on the EURAD SRA (March 2023 version), Tara Beattie, EURAD PMO
- PREDIS LCA/LCC activities (Task 2.5), Laurence Stamford, University of Manchester
 - o Case Study updates from Rachael Clayton and Joel Kirk, University of Manchester

12:15-13:15 **WP3 Knowledge Management**

- WP3 activities and progress, shared by WP co-leaders. Covering – progress on all tasks, Collaboration with EURAD and KPIs. Steps for the last year.

13:15-14:45 Lunch

14:45-16:00 **WP2 Task 2.3 WAC Session**, chair Lumir Nachmilner

- Update on Waste form characterisation – M. Verés, ISOTOPTech
- Update on Waste form qualification – H. Vojtechova, SÚRO
- Update on Generic WAC – A. Baksay, ENERCON
- Brief overview of WAC activities within EURAD-ROUTES – Liz Harvey, GSL
- End user views on results achieved – A. Savidou, NCSR
- Domain Insights and SRA perspective of WAC activities - J-L- Léganes Nieto, Enresa

Discussion topics on WAC:

How to support sharing experience and knowledge while implementing a project?

Where to direct future activities regarding Waste Acceptance System?

What is the role of WAC in predisposal stages of RW lifecycle?

16-18 **Video contest opening and rewarding (online voting) & partner and student presentations**, with coffee & snacks (hosted by WP1 and WP3 leaders)

Wednesday 24.5.2023

WP specific individual meetings; Time: 9:15 – 18 CET, hosted by each WP leader

Morning session – Open to only PREDIS Partners, Time: 9:15 – 13 CET

9:15-11:30 **WP2 Strategic Implementation and WP3 Knowledge Management**, room Scala,
[Teams-link click here](#)

9:15 - 13 **WP4 Innovations in metallic treatment and conditioning**, room Alcazar, [Teams-link click here](#)

9:15-13 **WP5 Innovations in liquid organic waste treatment and conditioning**, room Herten Aas, [Teams-link click here](#)

9:15-13 **WP6 Innovations in solid organic waste treatment and conditioning**, room Begijnzolder, [Teams-link click here](#)

9:15-13 **WP7 Innovations in cemented waste handling and pre-disposal storage**, room Dijlezaal, [Teams-link click here](#)

(morning coffee break 10.30-11.00 for everyone)

Afternoon session – Open to All PREDIS Partners and EUG, Time: 13 – 18 CET

13-14:30 Lunch

(same Teams video links as above)

14:30 - 18 **WP4 Innovations in metallic treatment and conditioning**, room Alcazar

14:30 - 18 **WP5 Innovations in liquid organic waste treatment and conditioning**, room Herten Aas

14:30 - 18 **WP6 Innovations in solid organic waste treatment and conditioning**, room Begijnzolder

14:30 - 18 **WP7 Innovations in cemented waste handling and pre-disposal storage**, room Dijlezaal

(afternoon coffee break 16.00-16:30 for everyone)

20:00 Conference dinner for partners and EUG/Stakeholders

Location: The Lamot Conference and Heritage Centre

Address Van Beethovenstraat 8/10, 2800 Mechelen

- Free of charge to registered participants

Thursday 25.5.2023

Location: Auditorium

Possible to participate on-line – [click HERE to join via Microsoft Teams](#).

Open workshop and panel discussion, Time: 9:00 – 17:30 CET

9:00 Welcome by Coordinator (VTT)

9:15 Status updates and scientific presentations on Technical Work Packages

- 9:15-10.15 **WP7 Innovations in cemented waste handling and pre-disposal storage**
 - o Summary by WP7 leader, Ernst Niederleithinger, BAM (20 min)
 - o Monitoring experiments on ASR affected barrels (SCK-CEN, 15 min)
 - o Steps towards Digital Twins (PSI, 15 min) Embedded wireless sensors (Leone Pasquato, BAM, 8 min)

- 10.15-11:15 **WP6 Innovations in solid organic waste treatment and conditioning**
 - o Summary by WP leader, Thierry Mennecart, SCK CEN (20 min)
 - o 2-3 Scientific presentations (30 min)
 - Vojtech Galek (CVRez): “RSOW treatment using Molten Salt Oxidation process”
 - Tri Phung Quoc (SCK CEN): “Immobilization of molten salts using geopolymer materials”
 - o 2 Student presentations (8 min)
 - Gianni Vettese (UH)

Coffee break 11.15-11.45

- 11.45-12.45 **WP5 Innovations in liquid organic waste treatment and conditioning**
 - o WP5 Summary, Isabelle GIBOIRE (CEA) - 10 min
 - o Study of direct conditioning process, Federica PANCOTTI (SOGIN) - 20 min
 - o *Pre-impregnation of RLOW on polymers, Andrea SANTI (POLIMI student) - 5 min*
 - o Study of conditioning matrix performances, Matthieu BRIFFAUT (ECL) - 20 min
 - o Study of conditioning matrix durability under various conditions, Thi Nhan NGUYEN (SCK CEN student) - 5 min

- 12.45-13.45 **WP4 Innovations in metallic treatment and conditioning**
 - o Summary by WP leader, Abdel Abdelouas, IMT (20 min)
 - o 2-3 Scientific presentations (30 min)
 - Rita Plukiene (FTMC, Lt): Work progress on optimisation of metallic waste characterisation

- Tomo Suzuki (IMT Atlantique, Fr): Development of new radiochemical procedures for DTM radionuclides
- 2 Student presentations (8 min)
 - Carla Fernández (CSIC, Sp): Corrosion of Al in magnesium phosphate cements
 - Jessica Hopkin (NNL, UK): Decontamination of oxidized metallic waste

13.45-15.00 Lunch

15:00 – 17:30 Panel discussion – Thematic afternoon on Belgium Programme

Moderator Christophe Bruggeman, SCK CEN

15-15:45 Setting the stage:

- Status on European Strategic Research Agendas (EURAD and PREDIS), Christophe Bruggeman, SCK CEN
- Status on HARPERS project activities related to predisposal regulatory harmonization, Elke Jacobs, SCK CEN & Réka Szőke, IFE
- Status on preparations for future European Joint Partnership (EURAD-2), Erika Holt, VTT
- Views from IAEA on the impact of Euratom collaboration projects, Rebecca Robbins

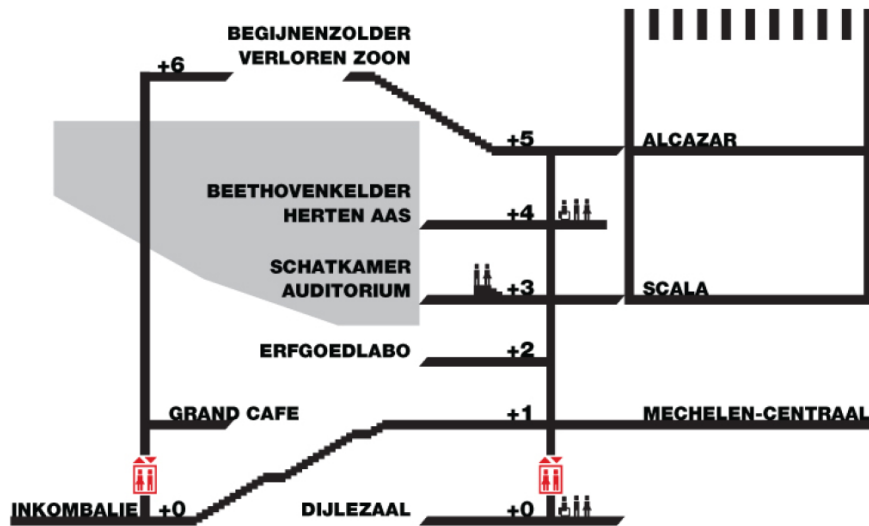
15.45-16.15 Coffee break

16.15-17:30 Guided Panel discussion of Belgium stakeholders, with Q&A from the audience:

- Eric Coppens, ONDRAF-NIRAS (WMO)
- Kevin Govers, Federal Agency for Nuclear Control (FANC, regulator)
- Peter Berben, ENGIE (industry)
- Thomas Huys, Belgoprocess (industry)
- Jens Verbeeck, Magics Technologies (industry)
- Alberto Fernandez Fernandez (FOD Economie, government)

17.30-17:45 Workshop Closing summary & presenting the winning videos

Schematic of the Lamot Conference Centre, room locations:



Friday 26.5.2023 – Excursions

Registration to the site visits has ended

- Open for partners and EUG members (no cost)
- Participation to the visits has been confirmed via e-mail to the registered (20 persons per tour)
- Please provide and bring with you all necessary documentation

Excursions Location: Mol, time: 8:30-18:00

- Euridice
 - [EURIDICE](#) contributes to the RD&D programme to assess the safety and feasibility of geological disposal of high-level and/or long-lived radioactive waste in a deep clay formation in Belgium. EURIDICE manages and operates the underground research laboratory known as HADES (High Activity Disposal Experimental Site), where experts develop and test industrial technologies for building, operating and sealing a waste repository in deep clay.
- Belgoprocess
 - Commissioned by NIRAS, [Belgoprocess](#) is responsible for the safe processing of radioactive waste produced in Belgium, which cannot be handled by the producer, and for temporary storage of this waste, pending final disposal. Foreign waste can also be processed in our installations, but is returned to the country of origin. In addition, Belgoprocess is in charge of decommissioning the shutdown nuclear facilities on site.
- Tabloo
 - Discover at the visitor and meeting centre [Tabloo](#) how radioactive waste is produced and how we manage it. Find out about the challenges we face and how the public can help to find solutions. Learn all about what research is currently underway in the field of nuclear applications.

The program for Friday Technical visits 8:00-18:00

- 8.00 Pick-up bus @ Conference Centre Lamot - Van Beethovenstraat 8-10, 2800 Mechelen
Transport to Mol
- 9.30 Start Visit Tabloo: expo 1 + 2
- 12.00 lunch @ Bistrou Tabloo
- 13.00 pick-up to Euridice + Belgoprocess
- 13.15 Start Visit Belgoprocess
- 13.30 Start Visit Euridice
- 16.00 pick-up bus Euridice
- 16.15 pick-up bus Belgoprocess
End visits → Transport to Mechelen
- 18.00 Arrival at Conference Centre Lamot - Van Beethovenstraat 8-10, 2800 Mechelen