

PREDIS Final Conference - June 2024

Draft **AGENDA** *(version 23.1.2024)*

Time: 3-7 June 2024

Location: 7 June 2024 at Novotel Avignon Center, Avignon, France
20 Bd Saint Roch, 84000 Avignon (15 min from Avignon TGV Rail station).

See additional information at

<https://all.accor.com/hotel/7571/index.en.shtml>

Meeting is organised **in-person** (MS TEAMS link will be provided for Wednesday-Thursday sessions to listen in)

Registration:

https://www.lyyti.in/PREDIS_Final_Conference_03070624

Participation to the conference is free of charge, including the gala dinner on Wednesday and site tour Friday*

Hotel rooms should be booked individually

* Cancellation by email to Coordinator Erika (erika.holt@vtt.fi) and CC Helene as the local host at CEA in France (helene.nonnet@cea.fr). If the cancellation is received less than 10 business days prior to the event, or no show, a cancellation fee of 200 euro will be applied for each reserved space to cover catering costs.

Monday - 3 June 2024 – Consortium Partners Only

Afternoon sessions, Time: 13 – 18 CET (including coffee break)

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

- Location: (room to be added later)

Agenda:

- Discussing Feedback from the EC review (March-April)
- Checking readiness to complete the project, ALL
 - o Final milestones, deliverables, dissemination actions, data management, risks
- Other coming events
- Other issues

13-18 **WP3 Students session, Paul Carbol (JRC) and Alba Valls (Amphos21) host**

- Location: (room to be added later)

Target audience: Students 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 are most welcome.

Opportunity for PREDIS partners and End Users to attend lectures remotely via Teams

Agenda:

- Student talks where students summarize their work within PREDIS and their experience with PREDIS.
- Feedback for PREDIS communications from the students.

Tuesday – 4 June 2024 - Consortium Partners Only

Project Consortium Meeting, Review of WP completions – all PREDIS partners

Time: 9.00-17.00 CET

- *Location: (room to be added later)*

8:00-9:00 Registration – be onsite latest by 8.45

9:00-9.15 **Welcome** by VTT as Coordinator and CEA as local host

9.15-9.30 **EC welcoming words**, including EC review findings

9.30-10.00 **WP1 Management & Dissemination**

- PREDIS project status update, Maria
- Status on EURAD collaboration
- Financial review, Sirkku Hoikkala, VTT
- Dissemination activities

10.00-10.30 **WP2 Strategic Studies**

- WP updates

10.30-11.00 **WP3 Knowledge Management**

- WP updates

11.00 Coffee break

11.30 **Parallel Sessions of Each WP** (part A) (*separate/own room for WP4-7*)

13.00 Lunch break

14.30-16.00 Parallel Sessions of each WP continue (part B)

16.00-17.00 General Assembly – all together

17.30-19.30 Optional evening city/palace guided tour

Wednesday – 5 June 2024 – PUBLIC Technical Workshop

Open technical workshop, Time: 9:00 – 17:30 CET

- Location: (room to be added later)
Possible to participate on-line (link to be added later)

9:00 Welcome by Coordinator (VTT), including WP1-3 overviews

9:15 Status updates and scientific presentations on Technical Work Packages, part 1

- 9.15-10.30 **WP4 Innovations in metallic treatment and conditioning**
 - Summary by WP leader, Abdel Abdelouas, IMT Atlantique (20 min)
 - Scientific presentations (40 min)
 - Developing and optimizing decontamination processes (T. Suzuki, IMT Atlantique)
 - Optimization of characterization and waste minimization techniques (A. Savidou, NCSR D)
 - Advances in encapsulation of materials in magnesium phosphate cement-based matrices (C. Cannes, IJCLab)
 - Student presentations (10 min)
 - A non-destructive gamma spectrometry set-up for characterization of metallic waste (D. Mavrikis, NCSR D)
 - Decontamination of radioactive effluents (M. Robin, IMT Atlantique)

(coffee 10.30-11.00)

- 11.00-12.15 **WP5 Innovations in liquid organic waste treatment and conditioning**
 - Summary by WP leader, Isabelle Giboire, CEA (20 min)
 - Scientific presentations (40 min)
 - Study of direct conditioning processes:
 - Investigation of reference formulation for real waste Real Waste (POLIMI)
 - Investigation of direct conditioning Process scale-up (CVRez)
 - Study of conditioning matrix performances (SCK+ ECL)
 - Student presentations (10 min)
 - Sara Koubeissy (ECL)
 - Gabriele Magugliani (POLIMI)

12.15-12.45 Discussion on WP4-WP5 topics

(lunch 12.45-14.00)

14.00 Status updates and scientific presentations on Technical Work Packages, part 2

- 14.00-15.15 **WP6 Innovations in solid organic waste treatment and conditioning**
 - o Summary by WP leader, Thierry Mennecart, SCK CEN (20 min)
 - o Scientific presentations (40 min):
 - Thermal treatment of the radioactive waste forms and characterisation (CEA)
 - Encapsulation (CVRez)
 - Densification (USFD)
 - Physico-chemical characterisation of reconditioned waste form and stability testing (VTT)
 - o Student presentations (10 min)
 - Francesco Galluccio (Polimi)

(coffee 15.15-15.45)

- 15.45-17.00 **WP7 Innovations in cemented waste handling and pre-disposal storage**
 - o Introduction to WP7 (Ernst Niederleithinger, BAM, 5 min)
 - o Innovative Instrumentation summary (Paolo Finocchiaro, INFN, 5 min)
 - o Student presentation 10 min
 - o Digital Twin summary (Rainer Dähn, PSI, 5 min)
 - o Student presentation (10 min)
 - o Database and decision framework summary (Tuula Hakkarainen, VTT, 5 min)
 - o Student presentation 10 min
 - o Demonstration in a realistic environment (Sabah Ben Lagha, ORANO, 10 min)
 - o Conclusions & Value Assessment (Slimane Doudou, GSL and Ernst Niederleithinger, 10 min)

17.00-17.30 Discussion

17.30 Summary & Adjourn

20:00 Conference Gala dinner for partners and EUG/Stakeholders

Location: Restaurant "Nuúmero 75", 75 Rue Guillaume Puy, 84000 Avignon

- Free of charge to registered participants
- <https://www.numero-75.com/le-restaurant/>



Thursday – 6 June 2024 – PUBLIC Project Outcomes/Impact Workshop**Open technical workshop**, Time: 9:00 – 16:00 CET

- Location: (room to be added later)

Possible to participate on-line (link to be added later)

9:00 Welcome by Coordinator (VTT)

9:15 -10.45 Highlights of Project Impacts

- Introduction on the Value Assessment Process & Case Studies (10 min)
- Geopolymers for Waste Immobilization (WP5, WP6)
 - putting results into practice - PREDIS partners' views
 - putting results into practice – End User perspectives
 - open discussion / feedback from stakeholders
- Decontamination & Supporting Waste Hierarchy principles (WP2, WP4)
 - putting results into practice - PREDIS partners' views
 - putting results into practice – End User perspectives
 - open discussion / feedback from stakeholders
- Digitalization advancements, for monitoring (WP7)
 - putting results into practice - PREDIS partners' views
 - putting results into practice – End User perspectives
 - open discussion / feedback from stakeholders

10.45-11.15 Coffee break

11.15-12.45 Panel discussion – EU Project Impacts on French Programme

Moderated by Magali Saluden / C Jousset-Dubien (CEA, France)

Guided Panel discussion of French stakeholders, with Q&A from the audience:

- ANDRA (WMO)
- EDF (industry)
- ORANO (industry)
- VEOLIA (industry)

12.45-14.00 Lunch break

14.00-15.30 Panel discussion –EU Projects Impacts on International Community

View from each panellist on the impacts of PREDIS and Euratom projects (3 minutes each, followed by guided Q&A). Moderated by Erika Holt (VTT, Co-coordinator).

- European Commission (Euratom) views
- IAEA Waste Management division views
- Member State (governmental) views
- SNETP Technical Area on Waste/Decommissioning views
- DG ENER views
- JRC views
- EURAD-1 Chief Scientific Officer views

15.30 Presenting & awarding of Student Video competition**15.45-16.00 Workshop Summary & Closing**

Friday – 7 June 2024 – Technical Excursion to CEA facilities at Marcoule Center

- Open for partners and EUG members (no cost)
- Participation limited to 36 persons (waiting list of 15 persons) – **ALREADY FULL**
- Security information for all participants will be due by 15 April (a separate email with instructions to be send for those who expressed interested already)
- participants will be in groups of 12, visiting 2 of the 3 facilities

Excursions Location: Marcoule Centre, 7.45-15.00

- a) HERA facility (Hall d'Essais pour l'Entreposage de matières RAdioactives) for waste decontamination, characterization and conditioning
- b) ATALANTE facility of nuclear chemistry laboratory, including hot cells for whole nuclear fuel cycle R&D
- c) PHENIX power plant, prototype of sodium-cooled fast breeder reactor (RNR), shut down 2009 after 35 years of operation

Draft Schedule

7.45	Departure from Avignon, together by charter bus (from Novotel)
8.45	Arrival at Marcoule / access formalities
9:40-11:10	Visits part 1 (Group 1=HERA; Gr 2 = ATALANTE; Gr 3 = PHENIX)
11:20-12:50	Visits part 2 (Group 1=PHENIX; Gr 2 =HERA; Gr 3 = ATALANTE)
13.00	Lunch at the lounge restaurant
13:45	Exit formalities
14.00	Depart from Marcoule
15.00	Arrival to Avignon (Novotel)