

CLUSTERING EVENT:

"THE USE OF DEEP EUTECTIC SOLVENTS AND IONIC LIQUIDS FOR METAL RECOVERY"

Date: 11th May 2022

Time: 9:00 - 12:15 CEST

Location: Online event

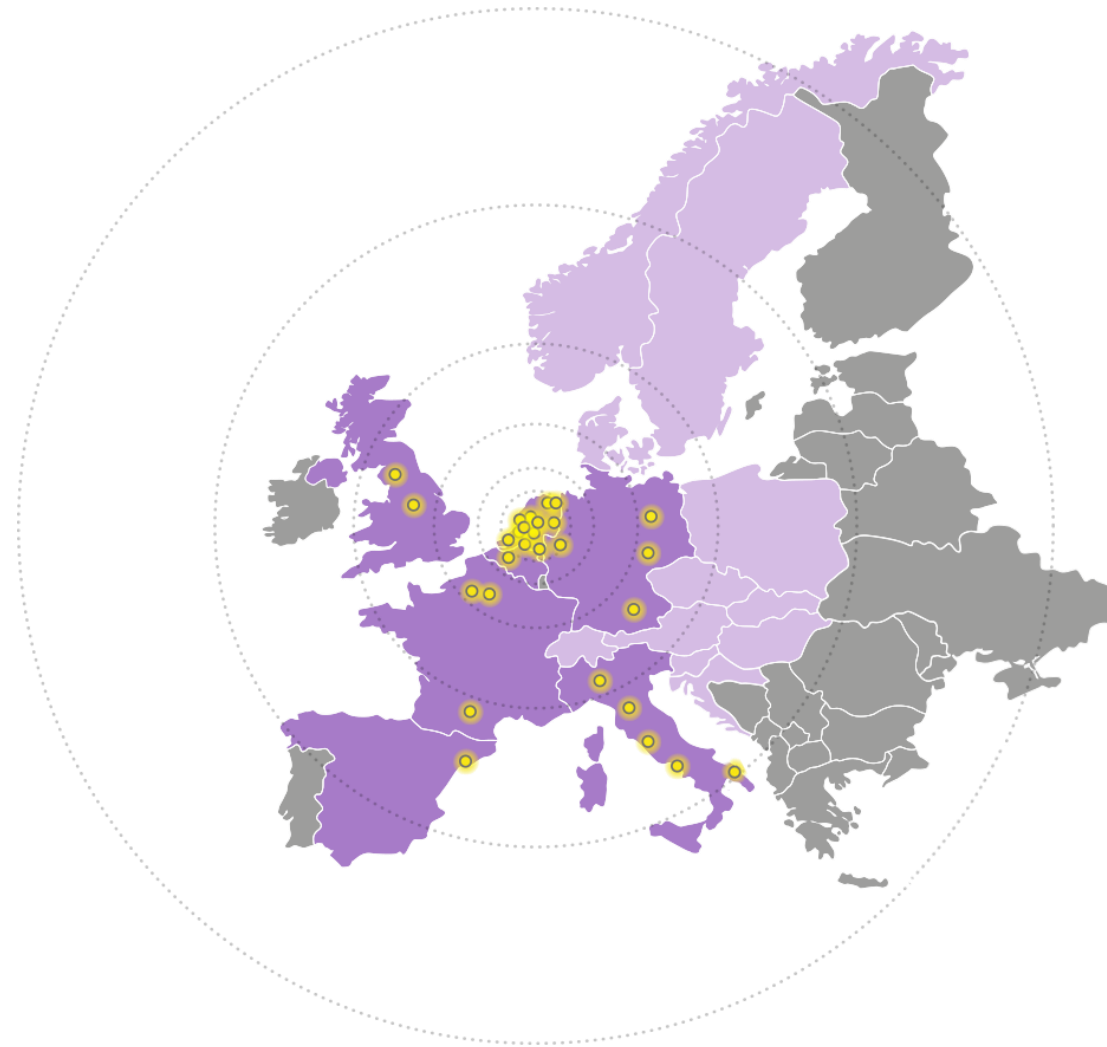
ION4RAW



About PNO

PNO R&D Advisory makes Innovation processes intelligence based, more focused, faster and funded

1. **Focus your RD&I strategy** with recent insights in technology, market and policy trends
2. **Tap into external innovations and partners**, by building collaborative innovation ecosystems and collaborative projects to inspire your innovation process
3. **Securing and funding projects** through co-development, business modelling, grants, finance and realisation



EGHN

ARTTIC
a PNO international management services company

sttopstart

ffiqs

INNFLOW

nehem



Key facts



30+

Years of activity



8

Countries



400+

Open Innovation projects per year



>500.000

Funded projects and partners in our intelligence tool



25.000+

Qualified RD&I partners



€ 1 Bn

Total annual funding won



▶ Footprint in multiple sectors



MANUFACTURING



ENERGY



LIFE SCIENCES &
HEALTH



BIO, FOOD & AGRO



TRANSPORT & SPACE



ICT



CHEMISTRY &
MATERIALS



SECURITY



ENVIRONMENT &
CLIMATE



EDUCATION & LABOUR

>300 EU consortia per year: Some examples



EUROPEAN PROJECTS



ACHIEF

Innovative high-performance materials for Energy Intensive Industries

<https://www.achief.eu/>



COCODRILE

Cobalt Recovery Using Secondary raw materials

<https://h2020-crocodile.eu/>



Indus3Es

Recover and revalue non-recovered low-energy surplus heat in energy intensive industrial processes <http://www.indus3es.eu/>



ION4RAW

Recovery of critical raw materials from primary sources <http://ion4raw.eu/>



MEMERE

Novel membrane reactor for the conversion of methane into ethylene

<http://www.spire2030.eu/memere/>



PEACOC

Platinum group metals Recovery Using Secondary raw materials

<https://www.peacoc-h2020.eu/>



TARANTULA

Recovery of critical raw materials from primary sources

<https://h2020-tarantula.eu/>



VIPERLAB

Accelerate perovskite PV technology in Europe

<http://www.platirus.eu/the-project/>

Agenda



9.00 – 9.10: Welcome and introduction, Laura Borge (PNO)

9.10-10.30: **PART 1-The use of Deep Eutectic Solvents and Ionic Liquids in the context of EU-funded R&D projects** (15' pp)

- ION4RAW project, Maria Tripiana (IDENER)
- CROCODRILE project, Jokin Hidalgo (Tecnalia)
- TARANTULA project, Dr. Javier Nieto (Tecnalia)
- PEACOC project, Dr. Elisabet Andres (Tecnalia)
- Q&A to speakers

----- 10.30 – 10.40 (ca.) Coffee break -----

10:40-11:35: **PART 2-The use of Deep Eutectic Solvents and Ionic Liquids at industrial level** (15' pp)

- The case of **Solvionic**, Dr. Sebastien Fantini
- The case of **IOLITEC**, Dr. Sebastian Plebst
- The case of **FFI Ionix**, Bamdad Bahar
- Q&A to speakers

11.35-12.00: **Panel discussion & Q&A**

Challenges and opportunities for the use of Deep Eutectic Solvents and Ionic Liquids

All speakers from previous sessions, moderated by Laura Borge (PNO) and Nader Akil (PNO)

12.00 – 12.15: Wrap-up and closure

Objectives of the workshop

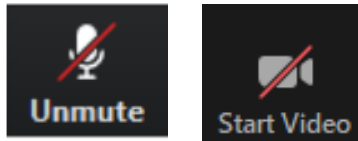


- Introduce you to four different European R&D projects (ION4RAW, CROCODILE, TARANTULA, PEACOC)
- Get the latest insights on the use of ionic liquids and Deep Eutectic Solvents for metal recovery from R&D and industrial viewpoints
- Understand technical and economic opportunities and challenges on the use of ionic liquids and Deep Eutectic Solvents from research and industrial viewpoints

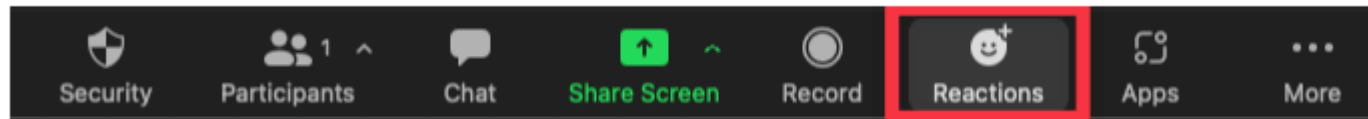
General rules for the workshop



- Please keep your microphone **muted** and your **video off** during the event.



- During the Q&A sessions, if you want to speak, click on the button “**Raise hand**” and unmute your microphone once we give you the floor. **Lower your hand** once you have spoken.



- You can also use the chat box to send your comments/questions.
- The workshop will be **RECORDED**.

