

## 4<sup>th</sup> Phosphorus in Europe Research Meeting (PERM)

9h00 – 15h30 CEST, June 2<sup>nd</sup> 2021 | Online

EU GREEN WEEK 2021 PARTNER EVENT

### 9h00 - 10h15 CEST: P-recycling research & technology update

- 9h00 to 9h15:
  - Welcome. Outcomes of PERMs 1-3. Meeting objectives and outputs.  
*Biorefine & Ludwig Hermann, President, ESPP*
  - Housekeeping and meeting networking tools (email list, chat).  
*ETA*
  - Nutrient R&D projects inventory.  
*ETA*
- 9h15 to 9h30: Phosphorus recycling projects under Horizon 2020, Interreg.  
*Evdokia Achilleos, European Research Executive Agency (REA)*
- 9h30 to 9h40: Thematic networks initiatives on nutrients (ITN-Re-source, ESNI).  
*Ana Robles Aguilar, Gent University*
- 9h40 to 9h50: Questions and discussion
- 9h50 to 10h00: From project recommendations to policy implementation and user uptake, SuMaNu Gap Analysis Report 2021.  
*Henning Lyngsø Foged, Organe & Kaj Granholm, BSAG*
- 10h00 to 10h10: Nutrient recovery thematic network: from project development to farmer implementation.  
*Erike Meers, University of Gent, Nutriman WP2 Leader*
- 10h10 to 10h30: Questions and discussion

**ZERO** #EUGreenWeek  
**POLLUTION**  
for healthier people and planet

## 10h45 – 12h00 CEST: Five parallel breakout sessions

### ➤ **Manure nutrient recycling**

Moderator: *Laia Llenas Argelaguet, Universitat de Vic-Universitat Central de Catalunya*

Rapporteur: *TBC*

#### Presentations:

- "From Farm to Market: Upcycling manure to improved fertilizing products".  
*Evan Marks, FERTIMANURE*
- "Sustainable manure and nutrient management for reduction of nutrient loss in the Baltic Sea Region".  
*Minna Sarvi, SuMaNu*
- Sustainable Biogas.  
*Anna Saarentaus, John Nurminen Foundation*
- RePhoKUs.  
*Shane Rothwell, Lancaster University*

### ➤ **Nutrient recovery from sewage & wastewater**

Moderator: *Christian Kabbe, EasyMining,*

Rapporteur: *TBC*

#### Presentations:

- "EGESTABASE – mapping evidence on circular nutrient solutions".  
*Robin Harder, End-of-wastewater*
- LIFE ENRICH.  
*Adriana Romero Lestido, Cetaqua*
- SMART-Plant.  
*Francesco Fatone, Università Politecnica delle Marche*
- "Recovery and valorisation of Phosphate from Dairy Processing Waste Water"  
*J.J. Leahy, REFLOW*
- RecoPhos.  
*Christoph Ponak, Montanuniversitat Leoben*
- "A systematic comparison of commercially produced struvite in Europe: Quantities, qualities and soil-maize phosphorus availability".  
*Marc Spiller, SUSFERT*

### ➤ **Contaminants, safety, LCA**

Moderator: *Ludwig Hermann, President, ESPP*

Rapporteur: *TBC*

**ZERO #EUGreenWeek  
POLLUTION**  
for healthier people and planet



➤ **Fertiliser properties and user uptake of recycled nutrient materials**

Moderator: Kari Ylivainio, LUKE (Lex4Bio)

Rapporteur: TBC

Presentations:

- **B-Ferst.**  
*Maria Cinta Cazador Ruiz, FERTIBERIA S.A.*
- **"Recycling P from residues of captured fish".**  
*Anne-Kristin Løes, RESTOR & Organic-PLUS*
- **Gypsum Initiative.**  
*Petri Ekholm, Finnish Environmet Institute*
- **Sustainable Algae Biorefinery for Agriculture aNd Aquaculture (SABANA).**  
*Francisco Gabriel Acien Fernandez, Universidad de Almeria*

➤ **Nutrients stewardship**

Moderator: Chris Thornton, ESPP

Rapporteur: Kimo Van Dijk, Wageningen

Presentations:

- **JRC Water Framework Directive ECOSTAT Nutrient Work.**  
*Sandra Poikane, Joint Research Centre (JRC)*

Short pitch summaries of nutrient projects and phosphorus R&D institutes (3'' - 3 slides max. updates on advanced/completed nutrient recycling projects and work of targeted research centres / 2'' - 1 slide pitches presenting new / starting projects or novel PhD projects). Discussions on research needs and cooperation.

Other confirmed presenters:

Phos4You, P-TRAP, WETSUS, SYSTEMIC, Water Mining, ViviMag, RecaP, FertiCycle, LOTUS, Netherlands Institute of Ecology, Circular NP, Pegasus, TYPKI, Circular Agronomics, ALG-AD, Hydrousa, Lex4Bio, Run4Life, MeY4bioPP bio-polyphosphate, Phosphorus Campus Rostock (PhD: recovered P for monogastric animals, PhD: recycled P and forage legumes, PhD: P-recycling livestock), Urbiofin, Waste2Bio, MonGOS, Prosumer, RAVITA, Rapsodee, NIBIO, nextGen, MoRECo.

**14h00 – 15h30 CEST: Perspectives for research and market uptake**

- **14h00 to 14h10: Nutrient R&D objectives under HorizonEurope.**  
*Katja Klasinc, European Commission DG RTD.*
- **14h10 to 14h20: Nutrients in the Horizon Europe Mission 'Soil Health and Food' Mission.**  
*Alfred Grand, Organic farmer and composter, Austria,*

**ZERO** #EUGreenWeek  
**POLLUTION**  
for healthier people and planet



*member of the Mission Board*

- 14h20 to 14h45: 5 minutes summaries out outcomes of each breakout sessions (research needs).  
*Sessions Rapporteurs*
- 14h45 to 15h15: Questions and Discussion
- 15h15 to 15h30: Key take-aways from the day identified by a small number of experts:
  - Francesco Fatone, Università Politecnica delle Marche, Ancona, Italy
  - Others TBC
- 15h30: Close

**ZERO** #EUGreenWeek  
**POLLUTION**  
for healthier people and planet

