

4th Phosphorus in Europe Research Meeting (PERM)

9h00 – 15h30 CEST, June 2nd 2021 | Online

EU GREEN WEEK 2021 PARTNER EVENT

9h00 - 10h15 : 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 Florence
 - Nutrient R&D projects inventory.
ETA Florence
- 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, University of Ghent
- 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.
Erik Meers, University of Ghent, Nutriman WP2 Leader
- 10h10 to 10h30: Questions and discussion

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10h45 – 12h00 : Parallel breakout sessions

Discussions on research needs and cooperation.

➤ **Manure nutrient recycling**

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

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: *TBA*

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: *TBA*

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

Moderator: Kari Ylivainio, LUKE (Lex4Bio)

Rapporteur: TBA

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 Environment Institute
- [Sustainable Algae Biorefinery for Agriculture and Aquaculture \(SABANA\)](#).
Francisco Gabriel Acien Fernandez, Universidad de Almería

➤ **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)

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 : Perspectives for research and market uptake

- [14h00 to 14h10: Nutrient R&D objectives under Horizon Europe](#).
Katja Klasinc, European Commission DG RTD.
- [14h10 to 14h20: Nutrients in the Horizon Europe 'Soil Health and Food' Mission](#).
Alfred Grand, Organic farmer and composter, member of the Mission Board, Austria
- [14h20 to 14h45: Summaries of outcomes of each breakout sessions \(research needs\)](#).
Sessions Rapporteurs

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- 14h45 to 15h15: Questions and Discussion
- 15h15 to 15h30: Key take-aways from the day identified by experts:

Francesco Fatone, Università Politecnica delle Marche, Ancona, Italy

Others TBA

- 15h30: Close

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