

CLIMATE CHANGE. SOILS. MEDITERRANEAN.

ROOM 1:
LEANDRE CRISTOFOL
AUDITORIUM
(STREAMING)

- **Iris Zohar** (Tel-Hai College): *The effect of extreme heat events on phosphorus solubility in soils.*
- **Elise Van Eynde** (European Commission, Joint Research Centre, Ispra, VA, Italy): *Evaluating current soil P management strategies and its implications for soil health monitoring.*
- **Golnaz Ezzati** (Teagasc, Ireland): *Impact of climate change on P losses: Empirical modelling of historical data and far future projections in hydrologically diverse agricultural catchments.*
- **Abdallah Oukarroum** (University Mohammed VI): *Improving phosphorus use efficiency in Mediterranean agriculture through innovative agronomic practices and biochemical processes.*
- **Vitor Correia** (European Federation of Geologists (EFG) / FIC-Fighters project): *To Fair, Inclusive, Circular and Healthy cities: Transformation of Phosphogypsum (PG) into commercial products through sustainable and zero-waste processes.*
- **Beata Jurga** (State Research Institute, Poland): *Estimating risk of phosphorus losses from arable land via water erosion.*
- **Monia Magri** (Università di Parma): *Effect of climatic extremes and agricultural practices on annual P export in an agricultural watershed.*
- **Laura Diaz** (BETA Technological Centre): *NutriBudget, optimisation of nutrient budget in agriculture: the Mediterranean pilot.*

PHOSPHORUS FERTILISATION

ROOM 2:
MARIA RÚBIES 1
(NOT AVAILABLE ONLINE)

- **Morten Kjærulff** (NanoNord A/S and Aarhus University): *Mobile NMR Sensor Technology: Quantification of Phosphorus and Other Parameters in Animal Slurry, Feed, and Soil.*
- **Cristian Terrones** (ICL Growing Solutions): *Agronomy trials results of a recycled phosphate fertilizer from an organic waste stream.*
- **Francesca Degan** and **Alexia Crezé** (Arvalis): *Phosphorus Use Efficiency and Genetics of Bread Wheat.*
- **Nieves Nuñez** (Universidad de Sevilla): *Waste as a real alternative to mineral phosphate fertilization.*
- **Sophie Schönfeld** (Institute Branch Sulzbach-Rosenberg): *Enhancing Phosphorus Uptake and Soil Health: Innovative Biochar from Cattle Manure as a Sustainable Fertilizer Solution.*
- **Maria Cinta Cazador** (Grupo Fertiberia): *B-FERST project: Bio-based fertilising products as the best practice for agricultural management sustainability.*
- **Berta Singla** (BETA Technological Centre): *Agronomic efficiency of phosphorous from BBFs derived from pig slurry in ryegrass cultivation of the FERTIMANURE Spanish on-farm pilot.*
- **Rosa Vilaplana** (BETA Technological Centre): *Agronomic evaluation of hydrochars derived from livestock manure in Catalonia.*

TRANSVERSAL

ROOM 3:
MARIA RÚBIES 2
(NOT AVAILABLE ONLINE)

- **Darren Oatley-Radcliffe** (Swansea University): *Sustainable technologies for nutrient recycling, re-blending, and upscaling via microalgae.*
- **Sofia Högstrand** (Lund University): *Biological phosphorus removal in a Swedish context – effects of nationwide implementation.*
- **Priscila de Morais Lima** (RISE Research Institutes of Sweden): *Circular Nutrient Recycling in the Baltic Sea Region.*
- **Eugenio Marin** (FCC Aqualia S.A.): *Moving from wastewater treatment plants to biofactories: successes in nutrients recovery from urban wastewater.*
- **Mohamed Chtouki** (Mohammed VI Polytechnic University): *Soil moisture content greatly impacts polyphosphate fertilizer effectiveness and use efficiency in Mediterranean semi-arid region.*
- **Sofía Jaray** (CEIT-Basque Research and Technology Alliance (BRTA)): *Model-Based Optimisation of Phosphorus Management and Recovery in WRRFs: A Plant-Wide Approach.*
- **Kimo van Dijk** (Team Sustainable Soil Management (SSM) – Wageningen Environmental Research (WENR) – Wageningen University & Research (WUR)): *Circular Fertilisers from Circular Sanitation, Communal Wastewater, and Agri-Food Industry Processwater.*
- **Julia Santolin** (University of Antwerp): *Adoption of nitrogen and phosphorus recovery technologies in a nutrient-intensive region: Understanding actors' choices in the food processing sector.*

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With the support of the city and region of Lleida:

And the support of the fertilising industry:

NUTRIENT RECYCLING 1

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- **Guozhu Ye** (Swerim AB): *A Novel Approach for Efficient Extraction of P from ashes generated from biowaste incineration.*
- **Rajan Choudhary** (University College Dublin): *Non-aqueous process for Soluble Inorganic Phosphate Fertiliser (SINFERT).*
- **Jesper Højer** (Clean Matter ApS): *Power to P; Innovative Phosphorus Recovery from Sewage Sludge Ash.*
- **Joachim Clemens** (SF-SoepenberGmbH): *Reductive P-Recovery from Excess Sludge in Wastewater Treatment Plants.*
- **Alberto Bouzas** (Universitat de València): *Boosting nutrient recovery from AnMBR effluents by means of electrodialysis technology.*
- **Samantha Gangapersad** and **Sidney Omelon** (McGill University): *Phosphorus Recovery by Elemental Sulphur Addition to Municipal Biosolids and Its Anaerobic Microbial Reduction to Sulphide.*
- **Alice Boarino** (University of Turin): *A circular approach to phosphorous recovery. Struvite precipitation from biomass waste.*
- **Kea Purwing** (Universität Hohenheim): *Optimization of phosphorus mobilization in biogas digestate.*

NUTRIENT RECYCLING 2

ROOM 2:
MARIA RÚBIAS 1
(NOT AVAILABLE ONLINE)

- **Eric Steffen** (Institute of Energy Process Engineering and Chemical Engineering): *Investigations on the phosphorus release behavior from sewage sludge in inert and reducing conditions.*
- **Sido Altenburg** (EasyMining AB): *Aqua2[®]N – Innovative Technology to Remove and Recover Nitrogen from Wastewater.*
- **Federico Battista** (University of Verona): *Comparison of different combinations of sieving and pressure driven membranes technologies for nutrient recovery from agricultural digestate.*
- **Lobna Amin** (Aalto Univeristy): *Potential of phosphorus recovery in form of vivianite from wastewater treatment plants.*
- **Outi Grönfors** (Kemira Oyj): *Phosphorus recovery as vivianite from sludge by magnetic means.*
- **Patrik Eckert, Oliver von Arx** (FHNW) and **Simone Martinoli** (Erzo ARA): *Pushing the limits for phosphorus recovery from sewage sludge in Switzerland by acid leaching and ion exchange.*
- **Vishal Zende** (University of Limerick): *Phosphorus recovery from Category 1 Meat and Bone Meal ash on pilot scale.*

NUTRIENT RECYCLING 3

ROOM 3:
MARIA RÚBIAS 2
(NOT AVAILABLE ONLINE)

- **Lukas Pohl** (University of Stuttgart): *Evaluation of phosphorus recovery potentials from sewage sludge in Spain for the production of white phosphorus with the FlashPhos process.*
- **Andrea Kotze** (InsPyro): *Thermodynamic Modelling of Processes for Phosphorus Recovery from Sewage Sludge.*
- **Marzena Kwapińska** (University of Limerick): *Dairy processing sludge, a valuable source of phosphorus and other plant nutrients - can hydrothermal carbonization improve its management practices?*
- **Muhammad Rubel** (University of Coimbra): *Life Cycle Assessment of an Innovative Technology for Dairy Wastewater Treatment with the Production of Phosphorus-rich Fertilizer.*
- **Lidia Paredes** (BETA Technological Centre): *A novel technological approach for phosphorus recovery from cheese whey by combining anaerobic digestion with concentration technologies.*
- **Giuseppe Moscatelli** (Research Centre on Animal Production - CRPA): *Digestate treatment to reduce emissions and produce Struvite.*
- **Marc Sonveaux** (Prayon): *Prayon's Integrated Approach for Phosphate Recovery.*

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