

# PARALLEL SESSIONS (I)

## 16<sup>th</sup> April 10h45 – 12h15



### Technologies for nutrient recovery – Manure (hybrid)

**Moderator:** Xialei You (LEITAT)  
**Rapporteur:** Boris Jansen (UVA)

The optimized performance of a multistep biorefining process to obtain bio-based fertilizing products from pig slurry: the FERTIMANURE Spanish pilot (BETA-UVIC) – *Nagore Guerra-Gorostegui*

Manure valorisation for the production of ammonium nitrate and ammonium sulphate in a Flemish farm (the Belgian pilot of FERTIMANURE) (UGENT) – *Ruben Vingerhoets*

Nutrient recovery from cattle manure - The successful business case of the Arjan Prinsen farm in The Netherlands (WENR) – *Kimo van Dijk*

Exploring barriers in recovering phosphorus from manure via vivianite formation (WETSUS) – *Sophie Banke*

Digestate as a sustainable source of nutrients for large-scale algal cultivation (UGENT) – *Marcella Fernandes De Souza*

EU available nutrient recovery technologies and derived products: Mapping from the NOVAFERT Project (UGENT) – *Nimisha Edayilam*

### Technologies for nutrient recovery – Wastewater and sewage sludge

**Moderator:** Francisco Corona (CARTIF)  
**Rapporteur:** Sophie Schönfeld (FRAUNHOFER)

Wastewater Nitrogen-recovery technologies for Smart Bio-based biofertilizers (WALNUT/CETAQUA) – *Alicia González-Míguez*

Post-treatment of high-rate activated sludge effluent via zeolite adsorption and recovery of ammonium-nitrogen as alternative fertilising products (WALNUT/UGENT) – *Sarah Moreno Sayavedra*

WW value chain symbiosis survey: identification of issues that should be tackled for the valorisation of waste water for bio - based fertilising products (WALNUT/NTUA) – *Georgianna Athanasoulia*

Recovery Of Metal Phosphates From The Tertiary Treatment (Helsinki Region Environmental Services) – *Sini Reuna*

Upscaling composite phosphorus and magnesium recovery from sewage sludge ashes and mining by-products to produce high-value sustainable fertilizers (PHOSTER/Politecnico Di Milano) – *Andrea Turolla*

Remaining barriers to broader use of sludge-char (University Of Chemistry And Technology Prague) – *Matěj Hušek*

### Technologies for nutrient recovery – Others

**Moderator:** Andrea Bauerle (U. Hohenheim)  
**Rapporteur:** Veronica Santoro (ESPP)

Toward sustainable agriculture: utilizing tuna cannery brines for nitrogen-rich microalgal biobased fertilizer production (SEA2LAND/NEIKER) – *Iratxe Urreta*

Liming agent recycled from mussel shells (SEA2LAND/NLR) – *Marita Bjørnvik Overmo*

Application of magnetic waste materials for phosphorous recovery (Agh University Of Science And Technology, Poland) – *Mateusz Skalny*

Effect of additives in shifting phosphorus to the solid phase with solid-liquid separation (HOHENHEIM) – *Naga Sai Tejaswi Uppuluri*

Lake restoration by sediment removal coupled to phosphorus recycling – a circular perspective (SDU) – *Sina Haasler*

Non-aqueous Generation of Soluble Inorganic Phosphate Fertiliser (SINFERT/University College Dublin) – *Kirill Nikitin*

# PARALLEL SESSIONS (II)

## 16<sup>th</sup> April 15h30 – 17h00



### BBFs Testing results from sister projects (*hybrid*)

**Moderator:** Ana Robles Aguilar (BETA-UVIC)  
**Rapporteur:** Kimo Van Dijk (WENR)

Agronomic performance of N- and P-BBFs (LEX4BIO/UNIV COPENHAGEN) – *Else Bünemann*

Compliance methods for N- and P-BBFs (LEX4BIO/FIBL) – *Alicia Hernández Mora*

FERTIMANURE bio-based fertilisers – Agronomic performance and environmental sustainability (UGENT) – *Ivona Sigurnjak*

Validation of Rustica bio-based fertilisers from fruit and vegetable waste: upscaling from laboratory to field (ILVO) – *Fien Amery*

Fish sludge – a fertiliser from aquaculture (SEA2LAND/NIBIO) – *Bente Foereid*

Bioactivated fertilizers starting from solid fraction of digestate and microbial consortia (FERTIMANURE/UMIL) – *Fabrizio Adani*

### Other BBF testing and nutrient budgets

**Moderator:** Daan Kuiper (CROPEYE)  
**Rapporteur:** Nagore Guerra (BETA-UVIC)

Biobased fertilizers (BBFs) generally do not pose an ecotoxicological risk to soils and crops (LEX4BIO/UNI AMSTERDAM) – *Boris Jansen*

Availability of nutrient-rich side streams and potential of biobased fertilisers for crop growth and soil health in Europe (LEX4BIO/HOHENHEIM) – *Andrea Bauerle*

Quantifying nitrogen and phosphorus losses from bio-based fertilisers in European agriculture through experimentation and modeling (LEX4BIO/UNI COPENHAGEN) – *Lars Stoumann Jensen*

The impact of soil pH on chickpea and wheat growth and plant phosphorus uptake from wastewater-recovered struvite (UWA INSTITUTE OF AGRICULTURE) – *Manish Sharma*

Nutrient recycling of poorly-utilized excreta for global crop production (ROULLIER) – *Mariana Devault*

NutriBudget, optimisation of nutrient budget in agriculture: the Mediterranean pilot (BETA-UVIC) – *Laura Diaz Guerra*

### Sustainability, market and acceptance of BBFs

**Moderator:** Alicia González (CETAQUA)  
**Rapporteur:** Jeroen Buysse (UGENT)

Environmental and socio-economic impacts of biobased fertilisers (LEX4BIO/PROMAN) – *Ralf Hermann*

What drives environmental impacts of fertilizers produced from fish wastes? (FIBL) – *Jan Landert*

Market uptake of FERTIMANURE BBFs (IPS) – *Ana-Marija Spicnagel*

Questionnaire results comparing EU and Chile perspectives on bio-based fertilizer produced from fish waste (SEA2LAND/IPS) – *Natalija Vugrin*

Challenges of environmental assessment and social acceptance of circular fertilisers: insights from the FER-PLAY project (CETENMA) – *Elisa Gambuzzi*

EU-compliant wastewater recycled phosphorus: How much national cereal demand can it meet? (PROMAN) – *Juan Serrano-Gomez*