



Draft conference outline

Day 1 – 24. November

08:00 - 09:00	Registration & Welcome Coffee
09:00 - 09:30	Keynote and welcome remarks from representatives of the Moroccan Government and the European Commission Opening Addresses: - UM6P - Hicham El Habti, President - ESPP - Robert Van Spingelen, President - OCP - Meriem El Asraoui, Chief Global Affairs Officer
09:30 - 10:30	Morning Plenary – Food Security: The Strategic Role of Phosphorus - DG AGRI - Stefanos Kirkagalis - IFA - Achim Dobermann - Fertilizers Europe - Chris Poole
10:30 - 11:00	Coffee Break
11:00 - 12:30	Parallel Sessions A - Session 1: Closing the Phosphorus Loop: Recovery and Recycling [I] - Session 2: Climate Change & Phosphorus - Session 3: Phosphorus Management and Applications
12:20 - 13:00	Innovators' Pitch: Sustainable Phosphorus Solutions
13:00 - 14:00	Networking Lunch & Poster exhibition

14:00 - 15:30	Parallel Sessions B - Session 1: Phosphorus for Sustainable and Resilient Food Systems - Session 2: Closing the Phosphorus Loop: Recovery and Recycling [II] - Session 3: Global Phosphorus Institute (GPI) session
15:30 - 16:00	Coffee Break
16:00 - 17:30	Afternoon Plenary: Phosphorus applications - challenges and perspectives - Fertecon/S&P Global - Alberto Persona - P4 derivatives - Willem Schipper - DG GROW - Hans Ingels - Cerege - Daniel Nahon
17:30 - 18:00	Reception and poster exhibition
19:00	Networking Dinner

Day 2 – 25 November

08:00 - 09:00	Welcome Coffee
09:00 - 10:30	Morning Plenary 1: Phosphorus and the Environment: From Science to Action - EU-JRC - Panos Panagos/Elisa van Eynde - OCP Nutricorps - Leonardus Vergutz - German Environmental Agency - Andrea Roskosch - Sustainable Phosphorus Alliance - Matt Scholz - UM6P – Joann Karen Whalen
10:30 - 11:00	Coffee break
11:00 - 12:30	Morning Plenary 2: Phosphorus Reuse and Recycling: Scaling Circularity - EasyMining - Pär Larshans - EU-JRC - Dries Huygens, Lukas Egle - Ramboll - Manon Cavagna - EFCI - Simonetta Gallerini - European Biogas Association - Lucile Sever
12:30 - 14:00	Networking Lunch and Poster exhibition

14:00 - 15:30	Parallel Sessions C - Session 1: Closing the Phosphorus Loop: Recovery and Recycling [III] - Session 2: Climate, Soils and Phosphorus Dynamics - Session 3: Aligning Innovation and Industry
15:30 - 16:00	Coffee Break
16:00 - 17:00	Reports from the parallel sessions (30 min) Announcements of Early Career Poster and Oral Presentation Awards (10 min) Statements on Young Researchers Day outcome: Key Research Priorities for the Phosphorus Value Chain
17:00 - 17:15	Closing Statements by the conference organizers OCP & ESPP

Parallel sessions

Closing the Phosphorus Loop: Recovery and Recycling [I]	Jouke Boorsma (Aquaminerals) Unlocking the value of vivianite from wastewater: bridging product quality, market uptake and regulatory barriers Hugo Quintana (Cetaqua) Circular phosphorus recovery from residual streams: development of a cascade precipitation technology for fertiliser valorisation Joan Antoni Baeza Labat (Universitat Autònoma de Barcelona) Phosphorus Recovery Potential from Municipal Wastewater via Side-Stream Enhanced Biological Phosphorus Removal Andreas Kolb (University of Braunschweig) Results from the first full-scale trials of struvite precipitation following biological phosphorus remobilisation at two municipal WWTPs
Phosphorus management and applications	Xiu Gao (KTH) Phosphorus Flow Dynamics in China's Seaweed Industry Lotfi Khiari (Laval University) Residual phosphorus efficiency of recycled fertilizers for circular phosphorus management Jan Weigand (TU Dresden) From Phosphate Rock to Chemicals: Redox-Neutral Pathways for a More Sustainable Phosphorus Value Chain Lucia Zuin (Canadian Light Source) Why would you want to use a Synchrotron for your Phosphorus study?

Phosphorus for Sustainable and Resilient Food Systems including Fertilizers	Nicolai Jablonowski (FZ Jülich) Sustainable Plant Production via Improved Sulfur/Phosphorus Fertilization: Development of Multifunctional Composite Fertilizers for Enhanced Nutrient Use Efficiency <i>T.A. Ogunweide (Obafemi Aqolowo University)*</i> <i>Reducing Phosphorus Fertiliser Losses Through Cropping System Design: Evidence from Sub-Humid Southwestern Nigeria</i> Yahaya Mohammad Yusuf (UM6P) How the Rhizosphere Chemistry Explains the Effectiveness of Radish in Reclaiming Legacy Phosphorus Compared to Maize Paulo Pavinato (University of Sao Paulo) Long-term phosphorus management enhances crop productivity and improve its availability under no-tillage in the Brazilian Cerrado Henrique Raniero (University of Copenhagen) Improving recycled phosphorus fertilizer efficiency through (bio)acidification and targeted application strategies
Closing the Phosphorus Loop: Recovery and Recycling [II]	Alba Ceballos-Escalera (University of Girona) Pilot plant for phosphorus recovery from wastewater sludge: Electrochemical crystalliser for efficient struvite formation Michael Renz (Polytechnic University of Valencia) Recovery of phosphorus from the Organic Fraction of Municipal Solid Waste and its classification according to EU regulation of fertilizing products Yuwei Huang (Wetsus) Post-regeneration neutralization stabilizes phosphorus recovery from Ca- and NOM-rich waters Yariv Cohen (EasyMining) Building the world's first Ash2Phos plant in Schkopau, Germany Jonathan Desmet (TTBS) From Waste to Resource: Pilot Validation and Industrial Upscaling of the RubiPhos® Circular Phosphorus Recovery Technology
Climate, Soils and Phosphorus Dynamics	Ingeborg Pedersen (Aarhus University) Improving Phosphorus Fertilization Decisions in Acid Sandy Soils: The Value of CaCl₂-Extractable P Beyond Olsen-P <i>Berta Singla (Beta)*</i> <i>Effect of Carbon availability, phosphorus and water soil content on GHG emissions: insights from a soil incubation study</i> Khaled Alotaibi (King Saud University) Phosphorus Management in Arid Soils: Integrated Approaches for Sustainable P Use <i>Innocent Muhwezi (University of Ghana)*</i> <i>Sustainable Organic Phosphorus Management for Climate-Resilient and Gender-Inclusive Food Systems in East Africa</i>

	Mariam Soma (CNRST) Increasing P availability and use efficiency in cultivated soils of Sub-Saharan Africa: Insights from the long-term field experiments of Saria in Burkina Faso
Climate change and phosphorus	Golnaz Ezzati (Agricultural Catchments Programme, Teagasc) Impacts of climate change on Phosphorus losses in agricultural catchments: Past, Present and Future Soufiane Ayoubé (UM6P) Global climate change impacts on phosphorus and carbon biogeochemical cycles and phosphate deposition <i>Federico Aragao (University of Helsinki)*</i> <i>Coupled Reactive Transport and Modeling of Clogging in Sand Filtration for Hypolimnetic Withdrawal and Treatment Systems</i>
Aligning Innovation, and Industry	Nathan Schunk (North Carolina State University) Projecting the Global Consequences of Phosphorus Scarcity: Comparing Price Shocks and Supply Constraints in Agricultural Systems Andrey Stephan Siahaan (Tohoku University) RinPhos Process: Progress and Implementation toward Circular Phosphorus Economy Hanae Zouiti (UM6P) Three dimensions for evaluating circular economy transition in the phosphate mining value chain: A review Aalaa Moussaid El Idrissi (UM6P) Conversion of Phosphogypsum into value added products Axel Yacub, Kevin De Bois (TechnoPhos) Smart Mining Solutions for Cadmium and Organic Matter Reduction in Phosphate Rock: A collaborative technology development by Technophos and Prayon Technologies
Closing the Phosphorus Loop: Recovery and Recycling [III]	Christina Zipp (University Kaiserslautern) Experimental and Model-Based Design of Phosphate Recovery in Fixed Beds Solvita Kostjukova (University of Latvia) Natural Mineral Sorbents for Phosphorus Recovery from Open Water Systems and Circular Reuse in Agriculture <i>Andrea Salimbeni (Re-Cord)*</i> <i>Extraction of phosphorus from pyrolysis char: comparison of two innovative processes</i> P. de Jaeger (Aquacare) Pilot study: high-performance phosphorus removal from WWTP effluents using the BioPhree® technology <i>Julia Santolin (University of Antwerp)*</i> <i>Phosphorus and nitrogen recovery at European wastewater utilities: Current status, future directions, and drivers for technology adoption</i>
Global Phosphorus Institute session	Phosphorus Stewardship in Action: Regional Experiences and Global Perspective, with contributions from Mamou Ehui, Gerald Steiner and Tilahun Amede Wondiraw

*pending administrative confirmation