

Programme outline v09/01/2015

2nd European Sustainable Phosphorus Conference 2015 (ESPC-2)

Berlin, 5-6th March 2015

NOTE certain speakers are invited and not yet confirmed to date

Moderator: Sonja van Renssen (freelance journalist Climate, Energy & Environment)
Venue: Scandic Berlin Potsdamer Platz, Gabriele Tergitpromenade 19, D-10785 Berlin, Germany

DAY 1 = Thursday 5th March 2015 - morning

Plenary opening session		
9:00 – 9:10	Intro/Welcome <ul style="list-style-type: none"> Short welcome from conference organisers Introduction of moderator Sonja van Renssen 	Stefan Gäth, Executive manager of the German Phosphorus Platform Arnoud Passenier, President of the European Sustainable Phosphorus Platform ESPP
09:10 - 09:30	<ul style="list-style-type: none"> Germany's approach to phosphorus as a Critical Raw Material (ProgRes 2.0) German policy on phosphorus recycling from sewage Taking knowledge into implementation. 	Florian Pronold, Parliamentary State Secretary for the Environment (BMUB)
09:30 – 09:40	<ul style="list-style-type: none"> Berlin City actions on sustainable phosphorus and circular economy 	Berlin official tbc
What since 2013?		
09:40 – 10:00	<ul style="list-style-type: none"> Why the Netherlands are committed to support P sustainability in Europe and worldwide – Netherlands a frontrunner in innovation Why a European Sustainable Phosphorus Conference Outcomes of the first European Sustainable Phosphorus Conference (2013): conclusions, actions since 	Wilma Mansveld, Netherlands Minister for the Environment
10:00 – 10:20	<ul style="list-style-type: none"> P as a Critical Raw Material – status, reassessment, implications for EU policy Growth and jobs in biorefineries, sustainable phosphorus chemicals based on recycled raw materials 	Jyrki Katainen, EC Commissioner for Jobs, Growth, Investments and Competitiveness
10:20 – 10:40	<ul style="list-style-type: none"> Follow-up of EU Communication on Sustainable Phosphorus P in the circular economy and waste policies: creating sustainable jobs 	Karmenu Vella, EC Commissioner for Environment
10:40 – 11:00	<ul style="list-style-type: none"> Phosphorus sustainability in Europe's leading agriculture exporting country Brittany's experience in sustainable processing and reuse of manure in France's productive agricultural regions 	Stéphane Le Foll, French Minister for Agriculture
11:00 – 11:30	Coffee break in exhibition and poster area	
Success stories		
11:30 – 12:30	<ul style="list-style-type: none"> Rosanna Kleemann (UK), Thames Water Utilities, Struvite recovery from wastewater Cecilia Bertholds (SE), Käppala WWTP, Sewage biosolids reuse in agriculture Hadden Graham (UK), AB Vista, Phytate in animal feed Xiangyang Chen (CN), Tianshui Sweetest Apples Company, Urine use in fruit production France recycling of manures Brittany Region or TERRIAL or AILE VCM (BE), Manure management in Flanders – quality standards system Geotexia (FR), Homologation of digestate as fertiliser Rhine Commission, Eutrophication rehabilitation WWF, Baltic farmers prize (video) 	
12:30 – 13:00	Panel discussion of success stories and Q&A. Panellists = the success story presenters	
13:00 – 14:00	Lunch in exhibition and poster area	
14:00 – 15:30	<p>P in the environment Reducing phosphorus losses: big returns on big investments Actions and projects addressing eutrophication, river, coastal and marine eutrophication Marine conventions and watershed management Success stories in eutrophication restoration Opportunities for nutrient recovery from eutrophic ecosystems Solutions for farm level nutrient management and soil erosion prevention</p> <ul style="list-style-type: none"> Simon Leaf (UK), UK Environment Agency: P and Water Framework Directive Mathias Bergmann (FI), Baltic Sea Action Group: economic cost of eutrophication Beata Jurga (PL), Institute of Soil Science and Plant Cultivation, Polish P index Peter Leinweber (DE), Rostock P Campus, Kuno Kasak (EE), Univ. of Tartu (Estonia) Prevention of P losses from agriculture 	<p>Moderator: Brian Ervine, Dept. Agriculture Northern Ireland (DARDNI)</p> <p>Rapporteur: Rostock P Campus</p>
<p>Parallel sessions I</p> <p>1 ½ hours = 3 x 15" talks plus 45" discussion</p>	<p>P from farm to fork Phosphorus sustainability and innovation in the agricultural supply and the food industry</p> <ul style="list-style-type: none"> Brownlie (submitted) meat in diet and P sustainability Barbara Burlingame, P in food and health Agrifirm Netherlands Sustainability Consortium www.sustainabilityconsortium.org 	<p>Moderator: Jaume Boixadera, Head of Agricultural Service, Generalitat de Catalunya</p> <p>Rapporteur: Carlo Leifert, Newcastle University</p>
	<p>Phosphorus, global food security, planetary boundaries Geopolitical issues, international cooperation, global nutrient governance</p> <ul style="list-style-type: none"> International Agri-Food Network www.agrifood.net Tim Benton, UK Champion for Global Food Security OCP Arno Rosemarin MTT Agrifood Research Finland: planetary boundaries Helenius Juhu, Helsinki University 	<p>Moderator: Lapland Region</p> <p>Rapporteur: Kimo Van Dijk</p>
	15:30 – 16:00	Coffee break
16:00 – 17:30	<p>Agricultural phosphorus efficiency and sustainable intensification</p> <ul style="list-style-type: none"> RISE = sustainable intensification ECIP European Cattle Innovation Partnership (see SCOPE 109) Javier Brañas Lasala, Fertiberia 	<p>Moderator: COPA-COGECA?</p> <p>Rapporteur: IEEP</p>

1 ½ hours = 3 x 15" talks plus 45" discussion	The need for societal change, and how to achieve it Importance of consumer attitudes. Education. Capacity building. Know-how transfer. Social aspects. Skill development • Nathalie Cliquot, OECD/LEED • Felix Ekardt, P Science Campus Rostock,	Moderator: Stefan Gáth, DPP Rapporteur: Sofie Boutegillier, OVAM
	Regions implementing sustainable phosphorus management National & regional sustainable P policies • CCME/Ontario Canada • Switzerland • Linda Bagge, Danish EPA	Moderator: Scotland – Highlands and Islands Development Rapporteur: Anders Nättorp, FHNW

17:30 - 19:00	Network drinks in exhibition and poster area Possibility of side-sessions for company presentations	
17:30 - 18:30	Formal establishment of the German Phosphate Platform (DPP) as a not-for-profit association (eV) - official signature of statutes, election of Board	
19:00 - 22:00	Network dinner at Scandic Hotel	Dinner speech by MEP or MdB Harms/Bütikofer or Berlin official

DAY 2 = Friday 6th March

8:30 – 10:00 and 10:30 – 12:00

Tables with c. 15 participants, enabling people to meet and discuss different themes face-to-face and allowing contacts between suppliers and users of expertise, technology, recycled phosphorus products.

Each table lasts 1 ½ hours then participants move to a new table and same themes are discussed by new participants

3 oral presentations x 5 mins max. No beamer, but presenters can distribute photocopies of slides, then discussion

Presenters make their talk twice, to two tables of different participants.

	Topic	Short oral intro speakers	Rapporteur	Moderator & convenor
1	Awareness raising	Video project = SUSPHOS Marissa de Boer	tbc	Annemiek Strijker, NWP
2	Legal and economic policy options to foster sustainable nutrient management in Europe	Felix Ekardt, FNK, Leipzig/ P Campus Rostock	Stephen Hinton, SSEF (Swedish Sustainable Economy Foundation)	Anders Nättorp, P-REX/FHNW
3	Bridging the gap between recovery and recycling	Value chains and the eMarket for recovered nutrients	Dirk Halet, VLAKWA (Flanders Knowledge Center Water)	Christian Kabbe, P-REX/KWB
4	Perspectives for biological nutrient removal in municipal wastewater and synergy with P recovery	Bernd Heinzmann, Berliner Wasserbetriebe Marc Van Loosdrecht - Beyond ANAMMOX and where does that leave P-recovery?	tbc	Peter Cornel IWA RR group
5	Nutrient recycling in composts and digestates	Fulvia Tambone (Milan – submitted) Veeken (ECN submitted) on fertiliser value of digestates	tbc	Stefanie Siebert ECN
6	Sustainable manure management	Adeline Haumont – AILE France	French Pork Innovation Centre	VCM
7	Recovering nutrients in biorefineries and biofuels production	Mette Dam Jensen, Krüger – Denmark biorefinery concepts	Eric Liègeois, EC DG GROW	Erik Meers, Biorefine
8	Nutrient and energy recovery from chicken manures, animal residues	Michael D'Arcy, BHSL, Ireland Gregory Krupnikovs (contact BSAG) Edward Someus, Terra Humana/Refertil	VCM	Ludwig Hermann Outotec
9	Homologation and standards for organic recycled nutrient products and their application	Veolia/SEDE Anglian Water (UK sludge index) Ola Palm JTI, food waste P for agriculture	tbc	Lars Stouman Jensen
10	Nutrient recycling in organic farming	Michael Jedelhauser, Ludwig Maximilians Univ., acceptance of recycled P by organic farmers Farming Futures, UK Soil Association, Between a Rock and a Hard Place	Bioland e.V.	Stephanie Fischinger, Bioland e.V.
11	White Phosphorus – a strategic raw material and an opportunity for P recycling?	Carlos Galeano, Phos4Ever User industries	CRU (organisers of the Phosphates 2015 etc. industry conferences)	Willem Schipper, WSC
12	P in our food	Charles J. Ferro, Univ. of Birmingham, P in diet, health and disease Barbara Burlingame, FAO Rainer Schnee, Budenheim / PAPA / IFAC	EU consumer association BEUC	Ch. Kabbe
13	Phosphorus efficiency, what does it mean	Cathal Buckley, TEAGASC, Ireland, P efficiency in 150 N Ireland farms	Christian Pallière, Fertilisers Europe	Antoine Hoxha FE
14	Plant availability of recovered P products	Bengt Hansen, Kemira, long term availability of iron phosphate = submitted Ruben Sakrabani, Cranfield Univ., plant availability of struvite and recovered phosphates	tbc	Chris Dawson IFS
15	Research integration and implementation agenda for P sustainability – what process to define one (NOT defining research priorities, but method to define them)	Jules Pretty, Univ. Essex, 100 questions on global agriculture John Ingram, Oxford University, Priority research questions for the UK food system Lynn Dicks, Cambridge University, What Do We Need to Know to enhance the Environmental Sustainability of Agricultural Production? A Prioritisation of Knowledge Needs for the UK Food System Sylvain Pellerin, INRA France, Trends in Phosphorus research over the last four decades – a bibliometric analysis 2013	Tomáš Turecki, EC DG Research & Innovation	Uli Vilsmaier Leuphana
16	Financial instruments to foster sustainable nutrient management	European Investment Bank	KfW or EIB	Ch. Kabbe, Eric Liègeois
17	Sound data alliance - MFAs, MSAs, nutrient flow analyses – data, action hotspots,	Tomáš Háč, Charles Univ. Prague, EU MFA underway on phosphate	European Environment	Kimo van Dijk

	criticality	Marijn van der Velde, JRC, monitoring and modelling	Agency	
18	LCA methodology aspects	Joana Rocha, Chemical Institute, Prague, Czech Republic	tbc	Christian Remy, P-REX
19	Phosphorus resources, supply and demand	Roland Scholz, Global TraPs, stakeholder data needs Paul Withers, Bangor University, Wales, "Feed the crop not the soil" J.D. Edixhoven, TU Delft, P reserves and resources Arno Rosemarin, Stockholm Environment Institute	tbc	Marjolein de Ridder, HCSS
12:00 – 13:00 Lunch in exhibition area – conclusions of tables on paperboards in this area				
International perspective				
13:00 – 13:20	A success story of international cooperation (EU countries plus Russia) to protect and restore the Baltic		Monika Stankiewicz, HELCOM (Baltic Sea Commission)	
13:20 – 13:40	Global policy experience with nitrogen: INI, Our Nutrient World, UN GPA ... why not also phosphorus?		Mark Sutton, CEH / INI (International Nitrogen Initiative)	
13:40 – 14:00	Responsibility of western economies - North American Perspective - P levels in diet, implications for health and for sustainability		James Elser, NAPPS (North America Phosphorus Partnership)	
Conclusions from sessions, contributions from workshops				
14:00 – 14:15	Presentation of conclusions of R&D projects workshop (4 th March) by DG Research and how this can fit into H2020 and DG Research orientations		Kurt Vandenberghe, EC DG Research & Innovation	
14:15 – 14:30	Young scientists' vision		1-2 young scientists	
14:30 – 15:00	Presentation of key conclusions of parallel sessions = 6 x 5 mins		tbc	
15:00 – 16:00	Panel – questions – discussion – conclusions and outcomes	Questions: - what are the priority areas: social, food, farm, efficiency, eutrophication, reuse /recycling...? - what policies? - what structures for action?	<ul style="list-style-type: none"> • Max Schulman, MTK/ Copa-Cogeca • EU Commission • Murray Hart, DEFRA UK • Mika Saariaho, Outotec • Luc Bossyns, Aquafin • Reyes Tirado, Greenpeace • Food industry/retail • Jacob Hansen, Fertilisers Europe 	
16:10 – 16:20	Closing statement		Janez Potočnik, UNEP	
16:20 – 16:30	Acknowledgements. Messages and actions. ESPC-3 and Closure.		Arnoud Passenier, ESPP	

Parallel event: Wednesday 4th March

"Circular approaches to phosphorus: from research to deployment"
Workshop organised by the European Commission DG Research & Innovation,
the European Sustainable Phosphorus Platform and the P-REX project
 BAM, Berlin

09:00 – 13:00	Presentation of EU-funded phosphorus recycling and recovery R&D projects Round-table of other projects in this area		
14:00 – 17h15	Workshop discussion on 'Research and Demonstration Needs' Round table on 'Barriers and pre-conditions for deployment'	Moderators: Erik Meers, BioRefine Cluster, Suzanne Faber, Isle Utilities UK	
For further information: Tomáš Turecki, DG Research & Innovation, European Commission: tomas.turecki@ec.europa.eu			

Parallel site visit: Wednesday 4th March

Site visit: Berlin Water WWTP Wassmannsdorf P-recycling from sewage (struvite recovery)