

## Wed. 13<sup>th</sup> March: policy tools to support market pull for recycled nutrients Thur. 14<sup>th</sup> March: targets for P and N recovery

under the revised EU Urban Waste Water Treatment Directive

Brussels & online <u>www.phosphorusplatform.eu/nutrientevents2024</u>

Registration: <u>https://www.eventbrite.be/e/espp-workshops-on-nutrient-recycling-policy-tickets-</u> 780632210957

## Day 1 – 13<sup>th</sup> March: Policy tools to support market pull for recycled nutrients

The EU Green Deal refers to "*legal requirements to boost the market for secondary raw materials,*" and the EU Circular Economy Action Plan 2020 to "*stimulating the markets for recovered nutrients*". To date, there are no EU proposals to take this forward.

There are differing industry and user positions on possible market policy tools, including: fiscal (differentiated VAT, ecotaxes ...), targeted farmer CAP funding, labelling, recycled nutrient quotas in products, border adjustment mechanisms, monetarisation of externalities, public procurement ...

This workshop aims to define policies which could achieve consensus across recycled product producers (waste companies, recycling technology suppliers) and users (fertilisers industries, distributers, farmers).

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9h30 – 11h00	<ul> <li>European Commission (Stephanos Kirkagaslis, DG AGRI): objectives for markets for recycled materials (especially nutrients) in the Green Deal and Circular Economy Action Plan, coherence with ensuring farmer income (CAP), policy actions to date, limits to EU action on economic and fiscal policies</li> <li>Copa-Cogeca (Dominique Dejonckheere): opportunities and challenges for farmers</li> <li>ESPP: outline of different possible market pull policy tools, proposed for discussion</li> </ul>
11h00 – 11h30	Coffee break
11h30 – 13h00	Industry proposals and positions:
	<ul> <li>water industry and recovery: EurEau (Sébastien Mouret), SUEZ (Nicole Couder), UKWIR and UK Water Industry Resource Recovery Working Group (Robert Naylor, Thames Water), AquaMinerals – The Netherlands (Martijn Bovee)</li> </ul>
	- fertilisers industry: Fertilizers Europe (Nicolas Willaume, ICL)
	- waste/recycling industry: FEAD (Paolo Campanella), European Biogas Association (Lucile Sever)
	Discussion
13h00 – 14h00	Lunch break
14h00 – 15h30	<ul> <li>Policy recommendations and considerations from R&amp;D and from different countries</li> <li>Proposals for policy under discussion in EU Horizon projects on "Closing the nutrients cycles": Fertimanure, Lex4Bio, Walnut, Sea2Land and Rustica " (Ana Robles Aguilar, BETA Technological Center)</li> <li>Lex4Bio: Marzena Smol (Mineral and Energy Economy Research Institute, Polish Academy of Sciences)</li> <li>Italy: Sergio Cappucci (ENEA, Italy Phosphorus Platform), Andrea Salimbeni (Re-Cord)</li> <li>Sweden: Anders Finnson (Svenskt Vatten)</li> <li>Germany: German Phosphorus Platform political memorandum (Christian Kabbe, DPP Board &amp; EasyMining)</li> <li>Discussion</li> </ul>
15h30 – 16h00	Coffee break
16h00 – 17h30	<b>Panel-led discussion with participants:</b> which proposals might find consensus? how to move from nice idea to actionable (and costed) policy proposals?
17h30 – 21h00	Networking drinks and stand-up dinner



## Day 2 – 14<sup>th</sup> March: targets for nutrient reuse & recycling under the Urban Waste Water Treatment Directive (UWWTD) revision

The proposed Urban Waste Water Treatment Directive (UWWTD) revision draft text (art. 20) states: "*The Commission is empowered to adopt delegated acts* ... setting out the minimum reuse and recycling rates for phosphorus and nitrogen ..." (initial text as proposed by the European Commission, trilogue text is now validated and expected to be available soon).

The meeting aims to identify key questions and define a framework for proposing for such "reuse & recycling rates" for phosphorus and nitrogen from municipal wastewater.

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9h30 – 11h00	Update on UWWTD revision. The Parliament-Council final compromise text is expected to be public by the
	meeting date and summary of existing P-recovery obligation regulations in Germany, Switzerland.
	Outline of questions and framing to be considered in defining "minimum reuse and recycling rates for phosphorus and nitrogen"
	Industry considerations and questions raised
	- Eureau - Anders Finnson (Svenskt Vatten)
	- Aquapublica (Jean-Yves Stenuick)
	<ul> <li>- UKWIR - Mark Craig (Severn Trent)</li> <li>- Netherlands Water Authorities - Aalke Lida de Jong (AquaMinerals BV)</li> </ul>
	- Water Europe – Pieter De Jong (Wetsus)
	General discussion. Agreement on the questions to be considered.
11h00 – 11h30	Coffee break
11h30 – 13h00	Proposals for minimum reuse and recycling rates considering different technologies and approaches
	<ul> <li>pure nutrient salt recovery – Christian Kabbe (EasyMining)</li> </ul>
	- struvite recovery – Wim Moerman (NuReSys)
	- P2GreeN - Stefan Karlowsky (Leibniz IGZ)
	- biomass grown in wastewater – Reindert Devlamynck (Inagro Belgium)
	- iron phosphate recovery (ViviMag) – Jean-Christophe Ades and Bengt Hansen (Kemira)
	<ul> <li>viewpoint from Canada – Céline Vaneeckhaute (Université Laval, Canada)</li> </ul>
	- ideas from Italy – Roberto Canziani (PHOSTER, Politecnico di Milano)
	<ul> <li>nutrient recycling via biochars – Pål Jahre Nilsen (Vow/Scanship and European Biochar Industry Consortium Board Member)</li> </ul>
	- integration with biogas production, recycling in digestates
	<ul> <li>cement industry valorising sludge energy and recovering phosphorus – Laure Blezat (Geocycle/Holcim) &amp; Michele Graffigna (Heidelberg Materials)" Questions and discussion</li> </ul>
13h00 – 14h00	Lunch break
14h00 – 15h00	Discussion of different questions to address in defining "reuse and recycling rates" for P and N: - What should be the questions ? How to frame the questions ?
	- What are feasible "rates" for P and for N recovery? How should these be defined? as % of wwtp
15h00 – 15h30:	inflow? as % in sludge? as % in ash? as recovery of P or N down to a certain residual level (per p.e.)? Other? Should rates be specified for each wwtp, or for regions/catchments ?
Coffee break	- Should the "rates" be different for wwtps of different size or configuration? Or depending on regional context: ?
15h30 – 16h30	- <b>Definition of "reuse and recycling" ?</b> Should this include treated sludge use in agriculture (biosolids to land). If so, under what conditions, e.g. quality / contaminants? plant nutrient availability? spreading according to crop nutrient requirements?
	- Should quality/functional requirements should be specified for recovered nutrient products? Respect of fertiliser regulation criteria ? Certification ? Plant availability ? Other functionalities (industrial uses) ?
16h30	Close, coffee