

# ESPP working meeting on Nitrogen Recovery & Recycling

Thursday 19<sup>th</sup> January 2023 – Brussels & hybrid

## Programme v 05/12/22

*The aim is to define actions to take forward Nitrogen recovery and recycling,  
and to establish a working group to take this forward*

- 8h45 *Registration*
- 9h15 Welcome, housekeeping, objectives of this working meeting  
**Conclusions of ESPP literature search and operator mapping:** Olivier Bastin, Atkinson Tumbure  
**EC Communication “Ensuring availability and affordability of fertilisers”**, Fabien Santini (European Commission DG AGRI)
- 9h45 **Technology presentations – Block I – Ammonia stripping & recovery 1**  
**Short presentations of full-scale or pilot installations, questions and discussion**  
Sven Mommers (Circular Values), Jan Willem Bijnagte (Colsen), Wouter Naessens (Detricon), Emmanuel Laurent (John Cockerill)
- 10h15 **Technology presentations – Block II – Ammonia stripping & recovery 2**  
Andreas Geißler (RVT Process Equipment), Steven Niewboer (Nijhuis SAUR Industries), Michael Friedman (PureGreen), Fabian Kraus (KWB)
- 10h45 - 11h15: *break*
- 11h15 **Technology presentations – Block III – Membranes & Ion exchange**  
Alexandre Bagnoud (Membratec), Álvaro Mayor Pillado (Cetaqua), Mike Waite (Agua DB), Thijs Wolbrink (Nijhuis SAUR Industries), Hanna Kyllönen (VTT)
- 11h45 **Technology presentations – Block IV – Other technologies**  
Kenny Brown (N2 Applied), Anna Lundbom (EasyMining), Adriaan Lieftinck (Mezt) & Niels van Linden (Lenntech), Tatiana Samarina (KAMK University of Applied Sciences)
- 12h15 **Discussion: from “N-removal” to “N-recovery”**
- 12h45 - 13h45: *lunch*
- 13h45 **Context:**  
- **Global nitrogen challenge**, Mark Sutton (International Nitrogen Management System) & CEH Edinburgh  
- **Bringing nitrogen recycling into EU water policies**, including the revision of the EU Urban Waste Water Treatment Directive, Nele-Frederike Rosenstock (European Commission DG ENVI)  
- other N recycling routes: production of biomass, algae, microbial protein – industrial by-products ....
- 14h15 **Perspectives from industry and stakeholder organisations**  
Johanna Bernsel, European Commission DG GROW  
Cecilia Dardes (Fertilisers Europe)  
Giulia Cancian (European Biogas Association)  
Stefanie Siebert (European Compost Network)  
Patrick Heffer (International Fertiliser Association)  
Oliver Loebel (Eureau)
- 14h45 **Questions and discussion on potentials, perspectives, priorities**
- 15h15 -15h45: *break*
- 15h45 **Working meeting: operational proposals for actions, how to organise to move forward**
- 16h15 Conclusions
- 16h30 Close