

# ESPP working meeting on Nitrogen Recovery & Recycling

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

## Working outline programme v 17/11/22

*Italic = non confirmed proposed speakers*

*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: ESPP  
**Conclusions of ESPP literature search and operator mapping:** Olivier Bastin, Atkinson Tumbure
- 9h45 **Technology presentations – Block I – Ammonia stripping & recovery 1**  
Short presentations of full-scale or pilot installations or R&D trials, questions and discussion  
Sven Mommers (Circular Values), Jan Willem Bijnagte (Colsen), Wouter Naessens (Detricon)
- 10h15 **Technology presentations – Block II – Ammonia stripping & recovery 2**  
Keith Richardson (Organics Group), Steven Niewboer (Nijhuis SAUR Industries), Michael Friedman (PureGreen)
- 10h45 - 11h15: *break*
- 11h15 **Technology presentations – Block III – Membranes & Ion exchange**  
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)
- 12h15 **Discussion:** from “N-removal” to “N-recovery”
- 12h45 - 13h45: *lunch*
- 13h45 **Context:**  
- global nitrogen challenge, Mark Sutton, INMS (International Nitrogen Management System) & CEH Edinburgh  
- European Commission DG AGRI – Fertilisers Crisis Strategy  
- other N recycling routes: production of biomass, algae, microbial protein – industrial by-products ....
- 14h15 **Perspectives from industry and stakeholder organisations**  
**Challenges and on expectations from this working group**  
European Commission DG GROW (Fertilisers), *European Commission DG ENVI/JRC (Industrial Emissions Directive resource efficiency), European Commission DG Research*, Cecilia Dardes (Fertilisers Europe), Giulia Cancian (European Biogas Association), Stefanie Siebert (European Compost Network), Patrick Heffer (International Fertiliser Association), Oliver Loebel (Eureau), *CEWEP (Confederation of European Waste to Energy Plants), International Solid Waste Association (ISWA), EFPRA (European renderers federation), Cement Industry, Plastics Europe, Cefic (European Chemical Industry Council)*
- 14h45 Questions and discussion on potentials, perspectives, priorities.
- 15h15 - 15h45: *break*
- 15h45 **Working meeting** to define operational conclusions and proposals for actions and for how to organise to take things forward
- 16h15 Conclusions
- 16h30 Close