



UK Nutrient Platform

11th December 2014



Workshop 12th November, The Leeds Club



BIOREFINE

link2energy Ltd
UNIVERSITY OF LEEDS

This project has received European Regional Development Funding through INTERREG IV B.

INTERREG IVB

compost.
bonemeal ash.
digestate. manures.
industrial food waste.
biomass waste.
crop residues.

A UK Nutrient Platform?

AIM: To establish a cross-sector UK Nutrient Platform for all stakeholders with interests in sustainable nutrient use and recycling, nutrient management and security and environmental impact.

Wednesday 12th November 2014, 10:00am–4:00pm
The Leeds Club, Leeds, LS1 6JL

Register your interest

To be on the mailing list for this and other UK Nutrient Platform events, please mail the event manager at info@link2energy.co.uk.

Themes & Discussion Topics

- Current nutrient recycling
- Practical, regulatory and commercial considerations
- Industrial Case Studies
- Funding opportunities (e.g. TSB, NERC, Horizon 2020)
- Experience from the existing Dutch Nutrient Platform
- What would UK industry want from a Nutrient Platform?
- Emerging technologies for nutrient recycling

We would also like to hear your suggestions for discussion topics of relevance to yourself for inclusion.





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- 64 delegates



The supply chain included:-

Market end users (AB Agri, Grow-How UK, HGCA, Redtrade etc..) ,

The water industry (Northumberland, Scottish, United Utilities, Anglian, Welsh, Thames and Yorkshire Water) ,

Academia (Birmingham, Cranfield, Lancaster, Leeds, Newcastle, Nottingham, Reading, Sheffield, Surrey, York and Queens University Belfast) ,

Solution providers Membranology, Carbogen, Isle , and Paques and ICL from the Netherlands,

Other representation from the Welsh government, ADAS, WRAP, Natural England and the Centre for Ecology and Hydrology



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- The programme



AIM: To establish, in conjunction with the European Sustainable Phosphorous Platform (ESPP), a cross-sector UK Nutrient Platform for all stakeholders with interests in sustainable nutrient use and recycling, nutrient management and security and environmental impact.

Event Programme

- 09:30 Registration & Refreshments
- 10:00 Welcome
- 10:15 Introduction to BioRefine [Dr. Andy Ross (Leeds University) & Prof. Erik Meers (Ghent University)]
- UK Activity & Funding**
- 10:40 Sewage Sludge Sustainability [Dr. Ruben Sakrabani, Cranfield University]
- 11:05 Membrane Technology Nutrient Recovery [Dr. Robert Lovitt, Membranology Ltd]
- 11:30 Refreshment Break
- 11:45 Nutrient Recovery Opportunities From UK Wastewater Streams [Dr. Miller Camargo Valero, Leeds University]
- 12:10 UK Innovation Funding Opportunities [Dr. John Whittall, Innovate UK]
- 12:35 Forum Questions & Answers
- 13:00 Lunch
- European Activity & Funding**
- 13:45 The Dutch Nutrient Platform [Wouter Debuck, Nutrient Platform]
- 14:10 The European Sustainable Phosphorus Platform [Chris Thornton, ESPP]
- 14:35 Fertilisers From Processed Manure [Dr. Gerard Velthof, Alterra Research Institute]
- 15:00 Refreshment Break
- 15:15 Horizon 2020 Funding Opportunities [Dr. Martin McGurk, RTC North]
- 15:35 Outcomes & Opportunities
- 16:00 Close



Briefing on CR&D / KTP competitions to UK Nutrient Platform event

John Whittall

Lead Technologist, Sustainable Agriculture & Food

Access to finance

Collaborative R&D

Access to knowledge

Knowledge
Transfer
Partnerships

Knowledge
Transfer
Networks



Competition for funding

Recovering valuable materials from waste

JANUARY 2015



Deadline
18 February 2015

COLLABORATIVE R&D



A Collaborative R&D competition to improve processes to increase the value of resources recovered from continuously produced waste.

- **Up to £4.5m** available
- Led by a business managing the target waste stream
- Proposals should describe how they seek to maximise the value of outputs
- Business model development and design aspects encouraged
- Two stage competition

Proposal for UK Platform



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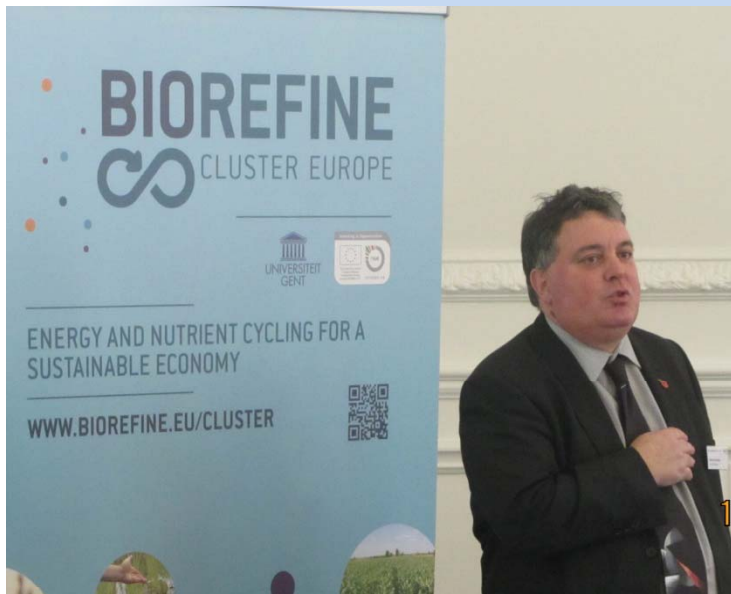
- Identify interested individuals/organisations
- Regular meetings (hosted by partners)
- Additional funding to sustain network
- UK division of ESPP?





The Questionnaire Feedback

- ✓ It should be nutrient rather than phosphorus.
- ✓ It should be 'action orientated' and 'operational'
- ✓ It should be in the framework of what's best and not just what's expedient i.e. looking for academic underpinning of good practice!
- ✓ Communicate good practice from the other nutrient platforms of course
- ✓ We should twin with a Latin American country
- ✓ We should consider a UK&Ireland platform

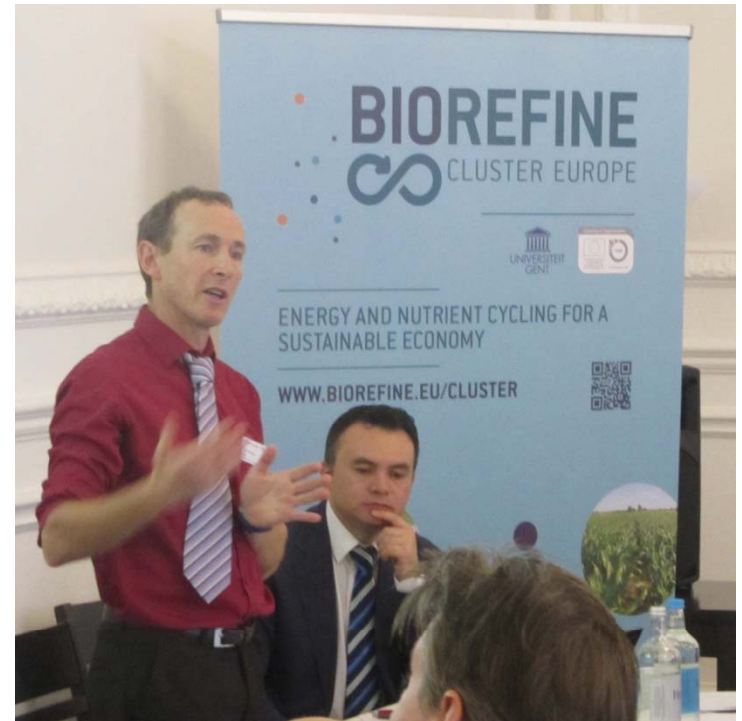




European Sustainable Phosphorus Platform

The key participants are those who are already paying members of the Platform, including :-

- DEFRA,
- Thames, United Utilities , SevernTrent, Highlands&Islands,
- plus the already committed “in kind” members
- (Rothamsted, Lancaster, James Hutton, CEH),
- BioRefine





Next Steps? :-

1. Arrange Steering Group with ESPP, existing UK members, potential new members
2. Liaise with Innovate UK re support from KTN
3. Identify collaborative partnership for January call
4. Arrange follow up meeting in the Spring

