



Resource Recovery from Waste Research Programme

Agenda for Catalyst Phase Workshop

25 June, 2013 | Great Room and Benjamin Franklin Room, the RSA House

8 John Adam Street, London, WC2N 6EZ

10.00	Tea, coffee and posters	
10.30	Welcome and Introduction to the Resource Recovery from Waste Research Programme	Pamela Kempton, Interim Director of Science, NERC
10.35	Purpose of the Resource Recovery from Waste Programme and opportunities the day presents	Jim Wharfe, Chair of RRfW Science Advisory Group / EA
10.55	Logistics of putting in a Resource Recovery from Waste Research Grant application	Lizzie Jones, RRfW Programme Manager, NERC
11.00	Panel Q&A session	NERC and Resource Recovery from Waste Science Advisory Group
11.30	Stakeholders arrive	
11.35	Stakeholder presentation 1: Waste and resources, using the ecosystem services framework	Steve Albon, James Hutton Institute
11.50	Stakeholder presentation 2: Waste and resources, a policy perspective	Ken O'Callaghan, Defra
12.05	Stakeholder presentation 3: Waste and resources, an industry perspective	Rod Kellner, Env-Aqua Solutions Ltd
12.20	Lunch and networking	
13.00	Project presentations (5 minutes each)	Grant holders
14.15	The Security of Supply of Mineral Resources programme	Adrian Boyce, SoS Mineral Resource Expert Group chair / RRfW SAG member / SURC
14.25	Networking and posters (tea and coffee)	
16.00	End	

Purpose of workshop

The purpose of this workshop is:

- 1) to provide information to Catalyst Grant holders about what will be required and what expectations are for the full Research Grants stage;
- 2) to allow grant holders to ask NERC questions about the specifics of the Research Grant stage;
- 3) to facilitate networking between individual Catalyst Grants for opportunity to join up between grants with cross over in activities;
- 4) to allow grant holders to hear a view from key stakeholders' on recovering resources from a variety of waste streams so that they may understand where their research may add value and identify translation opportunities; and
- 5) to enable stakeholders and grant holders to network and work together as part of the Resource Recovery from Waste programme and beyond.

Outputs from the workshop

To be made available after the workshop:

- Presentations from stakeholders
- Presentations from Catalyst Grant holder
- Posters from Catalyst Grant holders
- Q&A sheet based on the Q&A session

Notes:

Grant holders must arrive at 10am to set out posters. No poster set up will be possible during other stages of the day.

Although stakeholders are allowed to attend the session between 10.00 and 11.30, this session is aimed mainly at the grant holders.

The session between 13.00 and 14.15 will include a maximum of five minutes per project to introduce themselves and the project with one PowerPoint slide. Posters will allow further detail for projects and encourage one to one interactions with stakeholders.

There will be materials produced from the day to inform individuals and institutions who were unable to attend.

Catalyst Grants:

Title	Grant holder
Nutrient recovery from waste: Identifying the path to responsible innovation	Professor Bruce Jefferson, Cranfield University
The potential to restore eutrophic freshwater systems in the UK with economic benefits	Dr Jagroop Pandhal, University of Sheffield
R3AW: Resource Recovery and Remediation for Alkaline Wastes	Dr William Mayes, University of Hull
Beyond Biorecovery: environmental win-win by biorefining of metallic wastes into new functional materials	Professor Lynne Macaskie, University of Birmingham
Bulk Use of Biomass and Co-fired Ash in Novel Binders	Dr Andrew Heath, University of Bath
ReBALAN:CE - Recycling Biomass to Agricultural LAND: Capitalizing on Eutrophication	Dr David Oliver, University of Stirling
Plant-mediated resource recovery-towards closing the waste water loop	Dr Andrew Singer, NERC Centre for Ecology and Hydrology
Recycling nutrient resources in waste for food security and environmental sustainability	Professor Stephen Smith, Imperial College London
In situ recovery of resources from waste repositories	Dr Devin Sapsford, Cardiff University
Resource recovery from wastewater with Bioelectrochemical Systems	Professor Ian Head, Newcastle University
C-VORR: Complex-Value Optimisation for Resource Recovery	Professor Phil Purnell, University of Leeds
Assessing the Environmental Costs and Benefits of Resource Recovery Approaches for Nanomaterials in Future Waste Streams	Dr Alistair Boxall, University of York
Transition of WEEE to the Circular Economy	Professor Susan Grimes, Imperial College London
Developing a suite of novel land conditioners and plant fertilisers from the waste streams of biomass energy generation	Professor Kirk Semple, Lancaster University

More info: http://gotw.nerc.ac.uk/list_them.asp?them=Waste