



**CRITICAL
RAW
MATERIAL**

@CRMRecovery

www.criticalrawmaterialrecovery.eu



With the contribution of the LIFE financial instrument of the European Community

Stakeholder Meeting WRAP

26 January 2016

#CircularEconomy



Agenda

- Introduction to Critical Raw Materials Closed Loop Recovery Project
- Introduction to Trials
- Stakeholder Group
- Procurement Process



Lucy Cooper

Technical Specialist

Background: Critical Raw Material Closed Loop Recovery Project

- An EC LIFE 2014 project
- 3.5 Years (September 2015 - March 2019)
- WRAP Programme Area: Sustainable Products
- Total Project Value: 2.1M Euro



Partnership

WRAP is the Coordinating Partner for this project alongside four other organisations from Germany and UK



Outcomes

- Explore commercial opportunities for harvesting target Critical Raw Materials and gold, silver and platinum group metals, from everyday unwanted electronic products.



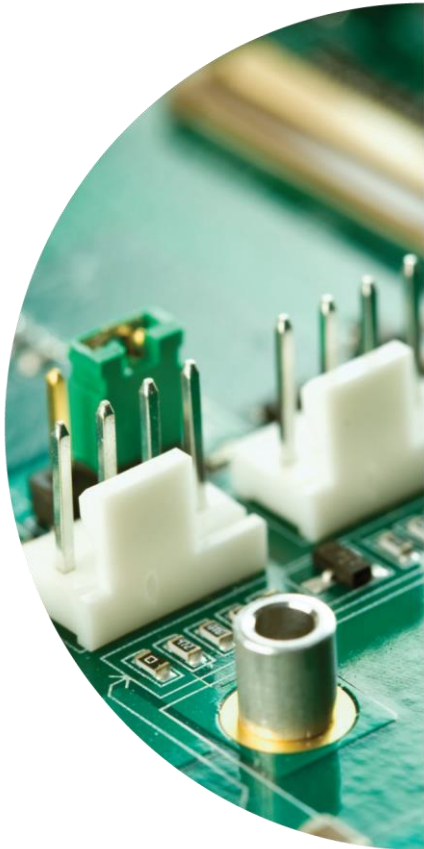
- The first-of-its-kind to link collection methods with recovery success.

Impact

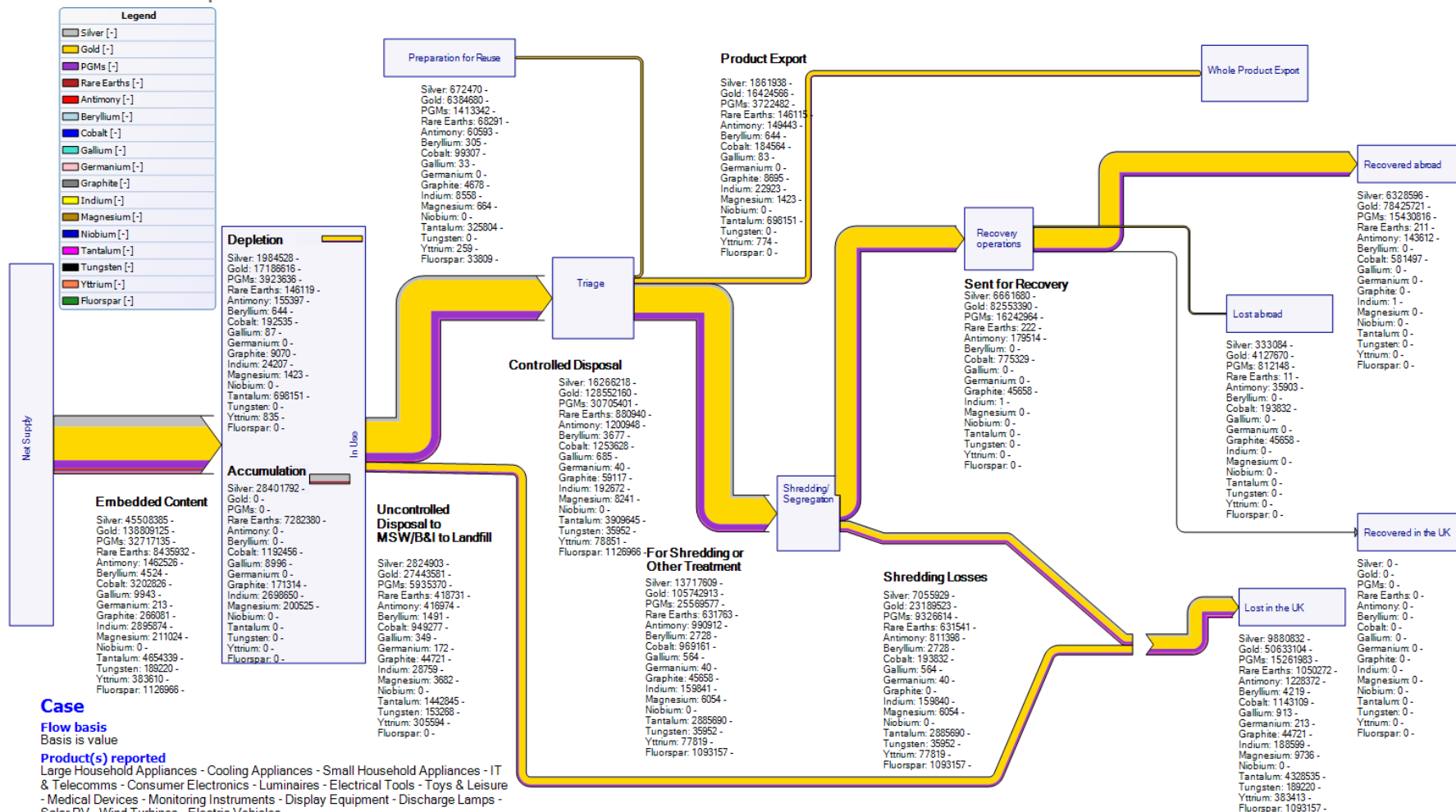
- To increase the recovery of a range of Critical Raw Materials by 5% from products including consumer electronics, ICT equipment and small household appliances.



Previous collection projects



- In UK we spend £20 billion on 175 million items every year: 30 million appliances, 8 million TVs, 6 million laptops
- Less than 10% of electrical goods are re-used
- 55% are recycled but the value is lost
- Over 35% is landfilled, including 1 tonne of gold in the UK every year



Case

Flow basis

Basis is value

Product(s) reported

Large Household Appliances - Cooling Appliances - Small Household Appliances - IT & Telecomms - Consumer Electronics - Luminaires - Electrical Tools - Toys & Leisure - Medical Devices - Monitoring Instruments - Display Equipment - Discharge Lamps - Solar PV - Wind Turbines - Electric Vehicles

Materials reported (others shown as zero)

Silver Gold Palladium Platinum Cerium Dysprosium Europium Gadolinium Lanthanum Neodymium Praseodymium Terbium Yttrium Beryllium Cobalt Gallium Germanium Graphite Indium Magnesium Niobium Antimony Tantalum, Tungsten Fluorspar

wrap

Printed Circuit Board Trial - Summary Report

Trial into the Recovery of Critical Raw Materials (CRMs) from Waste Electrical & Electronic Equipment



IMT002 Trial into the Recovery of Critical Raw Materials (CRM) from Waste Electrical & Electronic Equipment (WEEE), specifically Printed Circuit Boards, using micro-scale pyrolysis.

Project code: IMT002
Research date: September 2012 - March 2013 Date: 18th April 2013



Project Outputs

- Evidence of the link between collection and recovery
- Policy recommendations
- European infrastructure plan

Timescales

Delivery of Collection and Recovery Trials	FY 2016/17				FY 2017/18				FY 2018/19			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Review of previous Collection trials undertaken												
Development of Matrix and prioritisation of trials												
Setup and Delivery of Collection Trials												
Beneficiary countries Policy recommendations												
EU policy recommendations												



Bettina Gilbert

Programme Area Manager

Stakeholder Group

- Governance structure of Critical Raw Materials Recovery project
 - Programme Management Board
 - Stakeholder Group
- ‘Chatham House’ rules
 - Confidentiality statement
- Stakeholder Group Terms of Reference

Terms

- Advising the Project Management Board
- Supporting and championing the project objectives
- Commit time and effort to participate in meetings and workshops

Stakeholder Group

- Membership of the Stakeholder Group does not provide an opportunity for funding or to supply services to the project.
- Any opportunities that do arise will be subject to an open competition process of which members are able to apply.
- Any information or discussion from the group that is considered directly relevant to any open competition process will be shared in the competition process documentation.

Opportunity

- Opportunity to feed into the future of Critical Raw Materials recovery through Europe
- Forum of best practice
- Influence European Policy
- Support Critical Raw Materials Recovery
- Engage with a wider network of stakeholders from across Europe.

Stakeholder Group Meetings

Date	Location	Suggested Theme
July-Sept 16	Germany	Intro to collection and recovery trial providers
Jan-Mar 17	UK	EU materials and CRM flows report findings
July-Sept 17	Germany	Progress on Trials
Jan-Mar 18	UK	Review Collection Trials
July-Sept 18	Germany	Workshop on EU Policy options
Jan-Mar 19	UK	Final Reports presented



Dave Marsh

Procurement Specialist

Procurement Process

- Undertaken as a UK process
 - UK Regulations and law
 - Tenders in English
- Prior Information Notice published
Search: **TED 8273-2016**

Procurement Process

- Two-stage restricted procedure

Stage 1

Compliance, in-scope

yes/no/pass/fail

Stage 2

Full tender

competitive evaluation

- Four Lots

- Each country, identical services
- Separate application for each Lot
- Number of contracts and value depends on tenders

Procurement Process

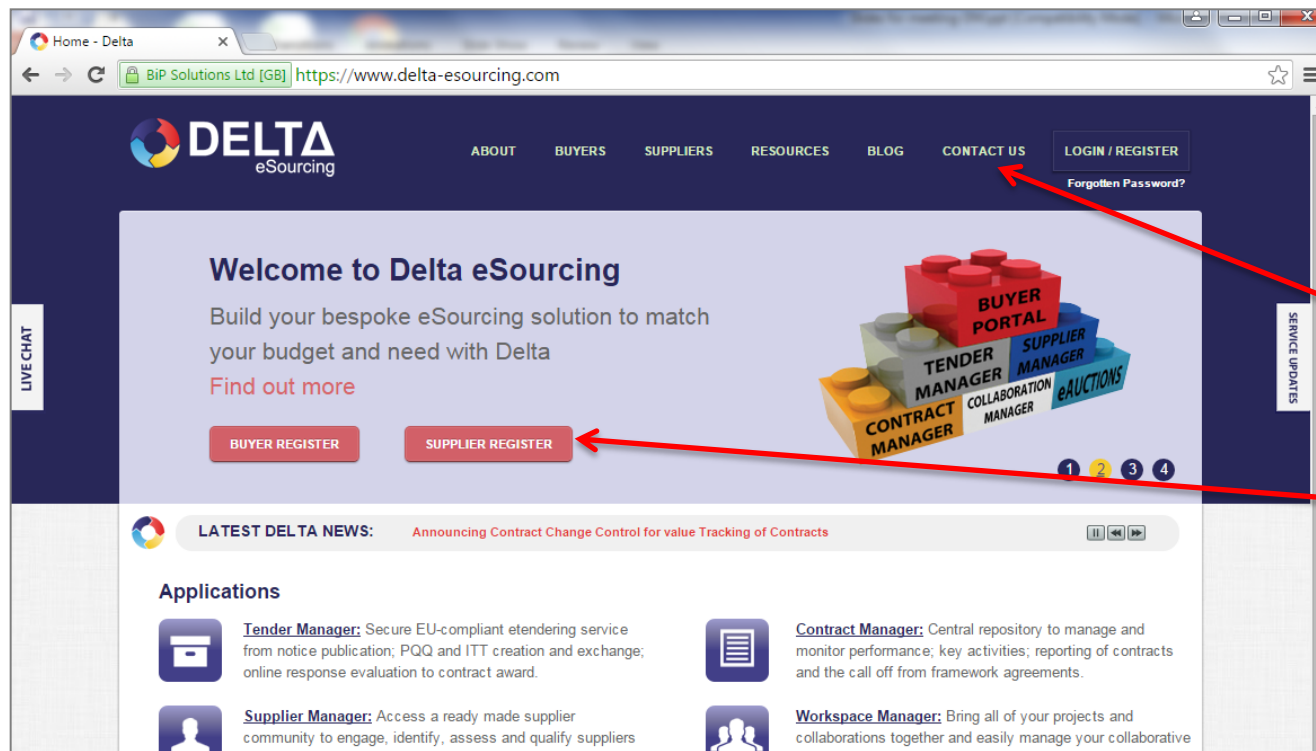
- Contract Notice publication
 - OJEU TED
 - Contracts Finder
 - Sell2Wales
- Application process
 - In-scope for WEEE and materials recovered
 - Demonstrate complete trial – collection & recovery
 - Consortia welcomed
 - Application forms provided
 - Separate application for each Lot

Procurement Process

- Delta eSourcing portal www.delta-esourcing.com

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Helpdesk

Register

Procurement Process

- Delta eSourcing portal **www.delta-esourcing.com**
 - Register as a supplier
 - Helpdesk **0845 270 7050**
 - Download Invitation to Tender
 - Upload completed application forms & supporting documents
 - All questions and answers through Delta

**Ensure sufficient time before deadline to
upload and confirm submission**

Contact us

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