Analysis of certain waste streams and the potential of Industrial Symbiosis to promote waste as a resource for EU Industry

Presentation for Green Week 5th of June 2014
Session 7.2: Using recycled materials – closing the loop
Useful interim results and insights

Competition primary and secondary raw materials

- Depends on (value of) the material: e.g. Lithium vs copper; plastics vs paper
- Competition between uses: energy recovery, material re-use
- Mind setting: “products made from waste…?”
- Available technologies
- Business model: value capturing

Competition from alternatives to recycling

- Energy valorization

Competition from non-EU recyclers

- Recycling and the Waste Framework Directive (EoW criteria)
- Global value chains
A selection of waste streams where IS can make a difference

1. Metallic wastes: slag, foundry sand, abrasives; ferrous / non-ferrous (excluding scrap where already a lot of recycling & recovery exists)

2. Mixed food waste/Vegetal wastes: pre-consumer production residues from the food processing industry

3. Mineral wastes: construction and demolition related

4. Chemical waste: plastics

5. Wood waste: especially the link with bio-industry (for multiplex board already a lot of recycling and recovery exists)
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