Eurometaux
European Association of Metals

Stimulation of Substitution within a Circular Economy perspective, in the metals sector: *concepts and examples*

University of Antwerp: Wednesday 7 November 2018

Agenda update

13:00-13:10 ***Welcome***

13:10-14:10 ***Introductory presentation*** by Eurometaux: Stimulating Substitution within the Circular Economy perspective in the metals sector a conceptual frame (by the workshop chair)

13:30-14:10 ***Example of direct "drop-in" substitutes, may look easy but is it?***

- The substitution of Lead stabilisers in PVC, how it progressed (PVC stabilisers)
- Drop-in substitutes: a rare potential on metals, but why? (Jens Tørsløv DHI-group)

14:40-15:20 ***Substitution, innovation and challenges for the circular economy***

- ***Possibilities and limits of Lead substitution in Copper alloys***; a case study on the technical feasibility of substitution (Klaus Ockenfeld,, Deutsches Kupferinstitut))
- ***Bismuth challenging the recycling of Copper*** and the metal primary balance, is this a right solution from a REACH-Circular Economy perspective? (Dirk Goris, Metallo)

15:40 16:20 ***Substitution: a longer planning may provide different views***

- ***NiO catalysts for desulphurisation*** not economically feasible today, but what about its use in the longer term with reduced diesel and fuel use? (Jens Tørsløv DHI-group)
- ***The longer-term agenda:*** what drove substitution in metal cases so far and what learnings can we take from it for the future (Hugo Waeterschoot, Eurometaux)

16:20 16:40 ***Substitution***: SVHCs may be ***critical for economic development of breakthrough sustainable technologies*** requiring a different way of thinking on risk management during the design phase:

- The case of Cobalt in batteries for electric cars (Wouter Ghyoot, Umicore)

16:40-17:15 ***Remarks and conclusions:*** from "the observation panel" (ECHA (Matti Vainio, Commission (tbc), Industry (Inge Maes, Metallo), Representatives of society (Mike Holland, EMRC)

17:15 ***Closure***