



**STRATEGIC MATERIALS FOR A LOW-CARBON
FUTURE: FROM SCARCITY TO AVAILABILITY**

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Oxford, UK

Breakout session 3a:
Scaling up recycling of complex products

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Metal recycling plant for complex material streams



Co	Ni	Cu	Zn	Ga	Ge	As	Se	Ru	Rh	Pd	Ag	In	Sn	Sb	Te	Ta	W	Re	Ir	Pt	Au	Pb	Bi	La	Ce	Pr	Nd
Cobalt	Nickel	Copper	Zinc	Gallium	Germanium	Arsenic	Selenium	Ruthenium	Rhodium	Palladium	Silver	Indium	Tin	Antimony	Tellurium	Tantalum	Tungsten	Rhenium	Iridium	Platinum	Gold	Lead	Bismuth	Lanthanum	Cerium	Praseody...	Neodymium

Precious Metals in a Circular Economy?

Umicore process yields: >> 95%



Real recycling rates*

Jewellery, ingots, coins
>> 90%

Chemical process catalysts
> 90%

Automotive catalysts
60-70%

Electronic products
<< 50%

Recycling driver:

value

B2B

B2C, value

B2C, legislation

