

## **The role and possibilities of circularity for metals**

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Non-ferrous metals play a key role in the massive deployment of renewable energy in the EU. A supply ramp up will include the recycling of technical devices. This secondary source has its own challenges. The successful collection of disregarded devices requires technical and logistical innovations as well as awareness and knowledge by the broad public. The subsequent disassembly of the used devices has engineering challenges, addressing the technical status not only of the devices currently used but also of the newer generation products, which will be designed for an efficient recycling. Both generations will enter the recycling feedstream together over the coming decades. Designing products for circularity will also require elaborated insights in materials science and innovations in product design fundamentals. In these aspects the Knowledge and Innovation Community Raw Materials of the European Institute of Innovation & Technology play an important role as will be explained during the presentation.