Circular economy & secondary resource management
How UNFC can act as enabler
Circular Economy
for sustainable material supply

How to bring secondary raw materials into the market?

Developing Recovery Projects in a Circular Economy

The UNFC value chain

Exploration project  Non-commercial project  Pot. commercial project  Commercial project

Recovery project (present)  Recovery project (future)

Figure adopted from Kral, U., A. Winterstetter (2018). "Availability assessment of anthropogenic resources: from prospection to production", 19 August 2018, Science to support circular economy, Vienna.
UNFC Specifications
For Secondary Resource Management

Purpose
Communicating recoverable quantities based on the maturity of the recovery project.

Timeline
2016/04 to 2018/04
EGRC developed Specifications for applying UNFC to Anthropogenic Resources

2018/09
Request for endorsement by the UNECE Committee on Sustainable Energy
Material recovery from different sources

Landfills

Waste incineration residues

EoL - Vehicle electronics


UNFC as Enabler

- Developing recovery projects in public-private partnerships;
- Identifying, communicating and overcoming barriers for secondary raw materials on the pathway to market access;
- Supporting national resource management and policy formulation (?)

→ We are looking for producers and countries to develop and implement reporting standards & reporting codes!
Thank you!

Patrick Wäger, Ulrich Kral, Soraya Heuss-Aßbichler
EGRC Anthropogenic Resource Working Group

UNECE
26 I 09 I 2018, Geneva