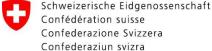




FutuRaM project activities

23. March 2023

Soraya Heuss-Assbichler, Ulrich Kral, Patrick Wäger, Kirsten Remmen, Ronald Arvidsson, Daniel Monfort, **Julia Stegemann**



Swiss Confederation

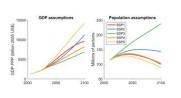
Federal Department of Economic Affairs, Education and Research EAER State Secretariat for Education, Research and Innovation SERI

EU Framework Programmes



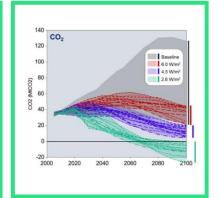






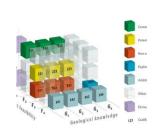










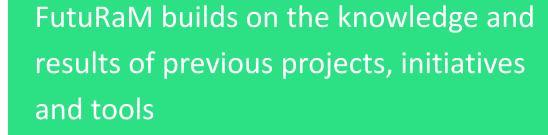


















 Develop knowledge on the availability and recoverability of secondary raw materials within the EU, special focus on critical raw materials. From now to 2050.

 Enable fact-based decision making for their exploitation in the EU+4 and third countries through UNFC applied to SRM projects

 Disseminate this information via a systematic and transparent Secondary Raw Materials Knowledge Base

FutuRaM - Waste Streams





Batteries



Electrical & Electronic Equipment



Vehicles



Slags & Ashes



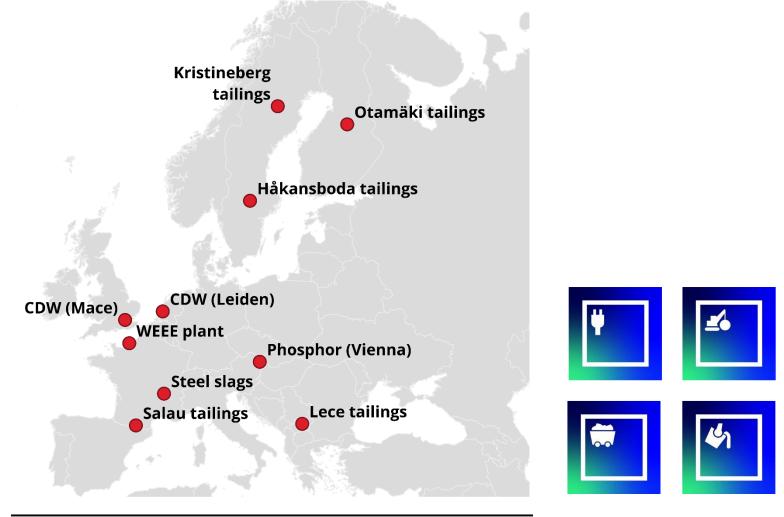
Mining Waste



Construction & Demolition Waste

Site-specific and regional UNFC applications in FutuRaM



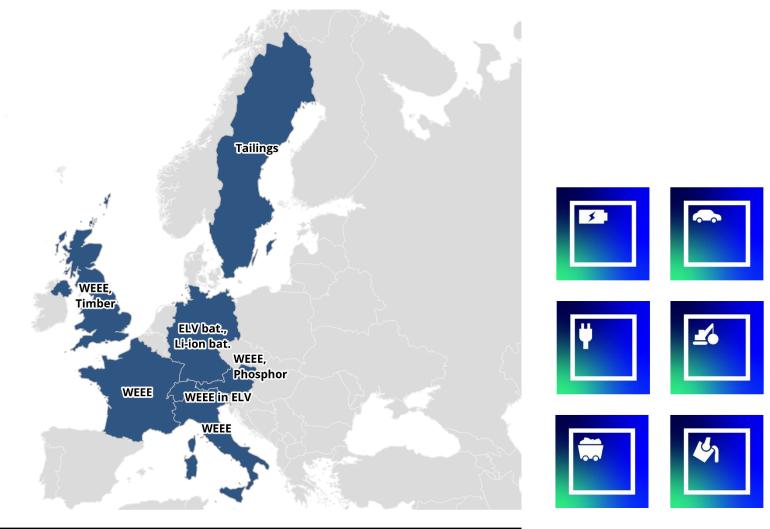


Data sources

[©] EuroGeographics for the administrative boundaries Natural Earth (https://www.naturalearthdata.com/)

National UNFC applications in FutuRaM

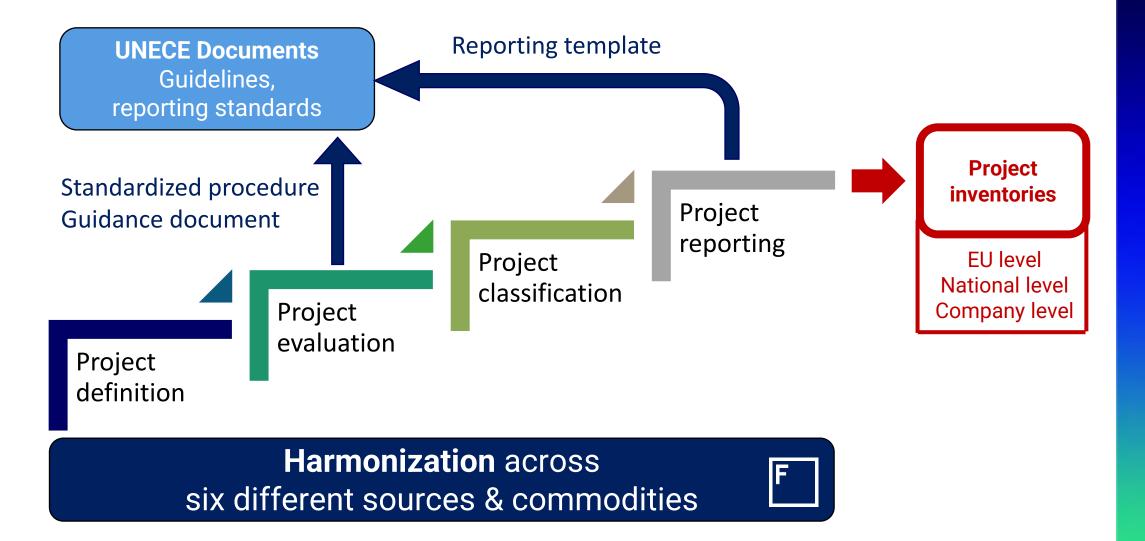




Data sources

© EuroGeographics for the administrative boundaries Natural Earth (https://www.naturalearthdata.com/)

FutuRaM beyond status-quo procedure





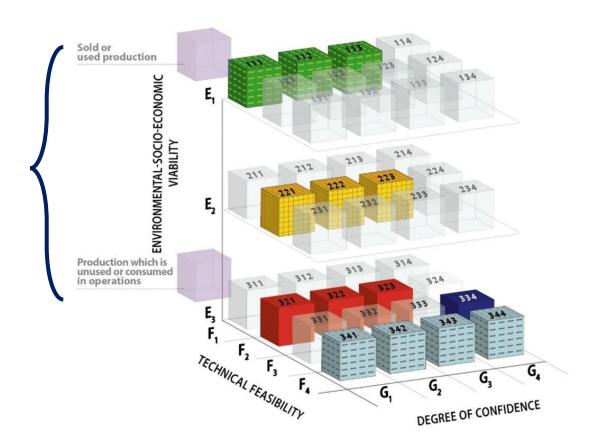
F

Economic viability

Environmental impact

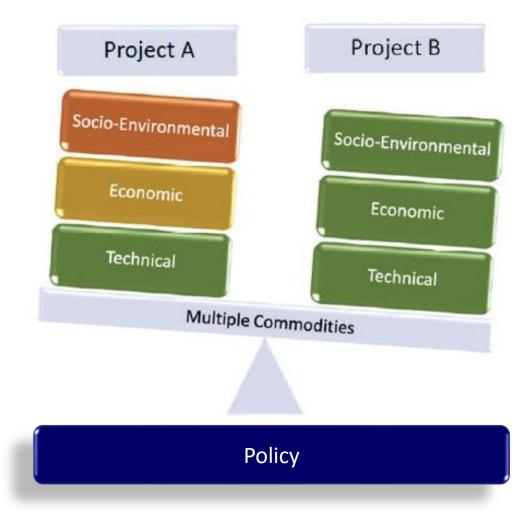
Social impact

Legal aspects



Recoverability of resources using UNFC





consistency transparency comparability

Roadmap for FutuRaM - UNFC



Develop of a consistent procedure to assess and classify SRM recoverability

in line with the UNFC

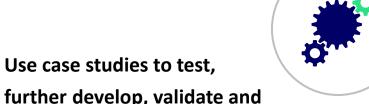


Draft reporting standard for the attention of the

UNECE EGRM



Initial phase



Use case studies to test,
further develop, validate and
demonstrate the procedure in line with
the UNFC



www.futuram.eu





UNFC is a comprehensive tool to communicate the recoverability of raw materials from primary and secondary sources

- Communication basis for the different stakeholders
- Knowledge base for fact-based decision-making

- 19 new UNFC applications
- Guidance document for project evaluation
- Draft reporting template
- Recommendations for UNECE EGRM and EC





















































RECHARGE









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