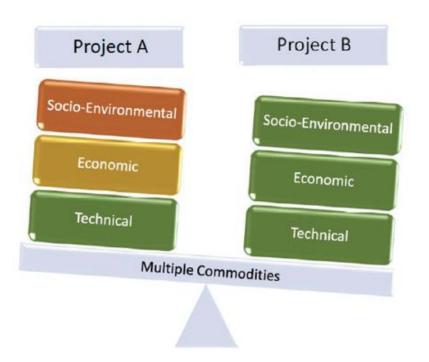


Application of UNFC to Anthropogenic Resources

Recent activities

Context



Why?

- Sustainable, secure and affordable raw material supply.
- Primary raw materials dominate the market, but secondary raw materials (SRM) become more important.

How?

- The production of SRM requires the development of recycling projects.
- De-risk recycling projects from costly failures and thus protect the investments.

What?

- Monitor the maturity of recycling projects over time.
- Use the UNFC, because it has a 360° view on project maturity.



Anthropogenic resources

Mining & metallurgical residues





Material stocks-in-use & post-consumer residues









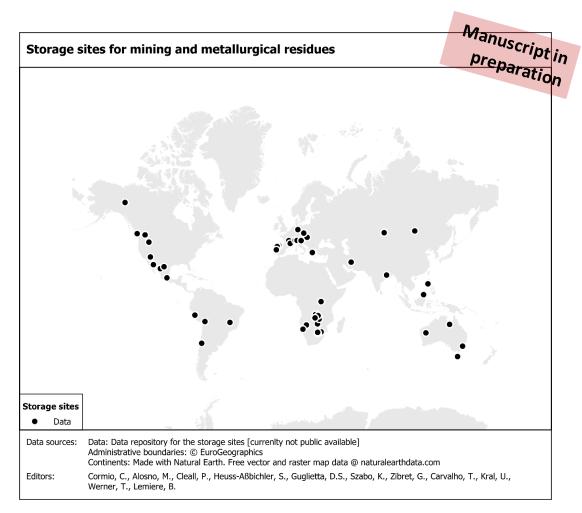


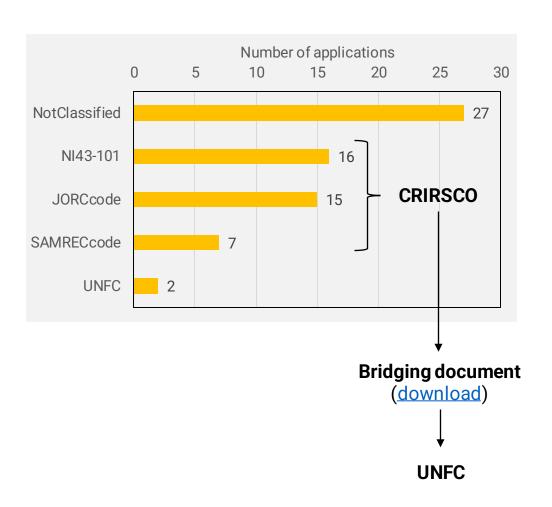




Project classification

feedstock: mining & metallurgical residues

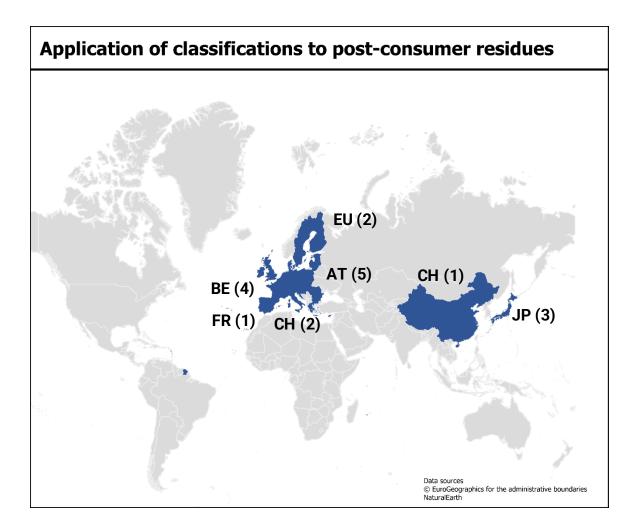


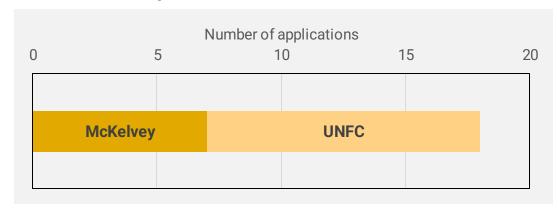


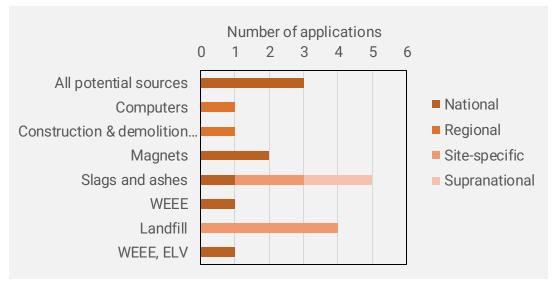


Project classification

feedstock: post-consumer residues

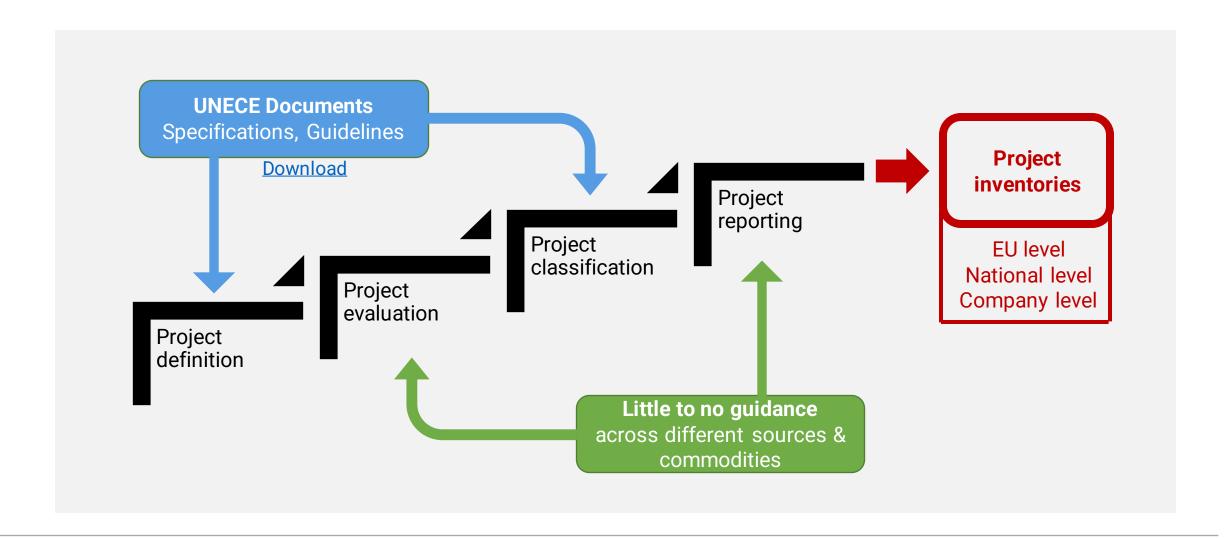








Essentials for monitoring project maturity





Take-home-messages

- (1) UNFC in support of project maturity monitoring
 - (1) Project inventories on company, national and EU level
 - (2) Recycling projects can be compared on a common playing field
 - (3) A 360° view on project maturity
- (2) UNFC application
 - (1) Successfully tested in various case studies
 - (2) Closing the resource data gap through further UNFC applications
- (3) A need for standardization & harmonization
 - (1) Project evaluation
 - (2) Project reporting



Thank you!

Ulrich Kral Chair of UNECE EGRM Anthropogenic Resource WG

UNECE

Date 23 | 03 | 2023, Geneva





