

UNFC applied to Anthropogenic Resource Projects

General Considerations and Sectoral Specifications



Raw material supply is of fundamental importance;

**Raw material supply is dominated by primary raw materials,
but secondary raw materials get more and more attention;**

**The production of secondary raw materials requires the
development of sustainable recycling projects.**

Development of recycling projects requires reporting

Actor of
willingness

Production of
secondary raw materials

Development of recycling projects

Environmental-social-economic viability

Technical feasibility

Level of confidence

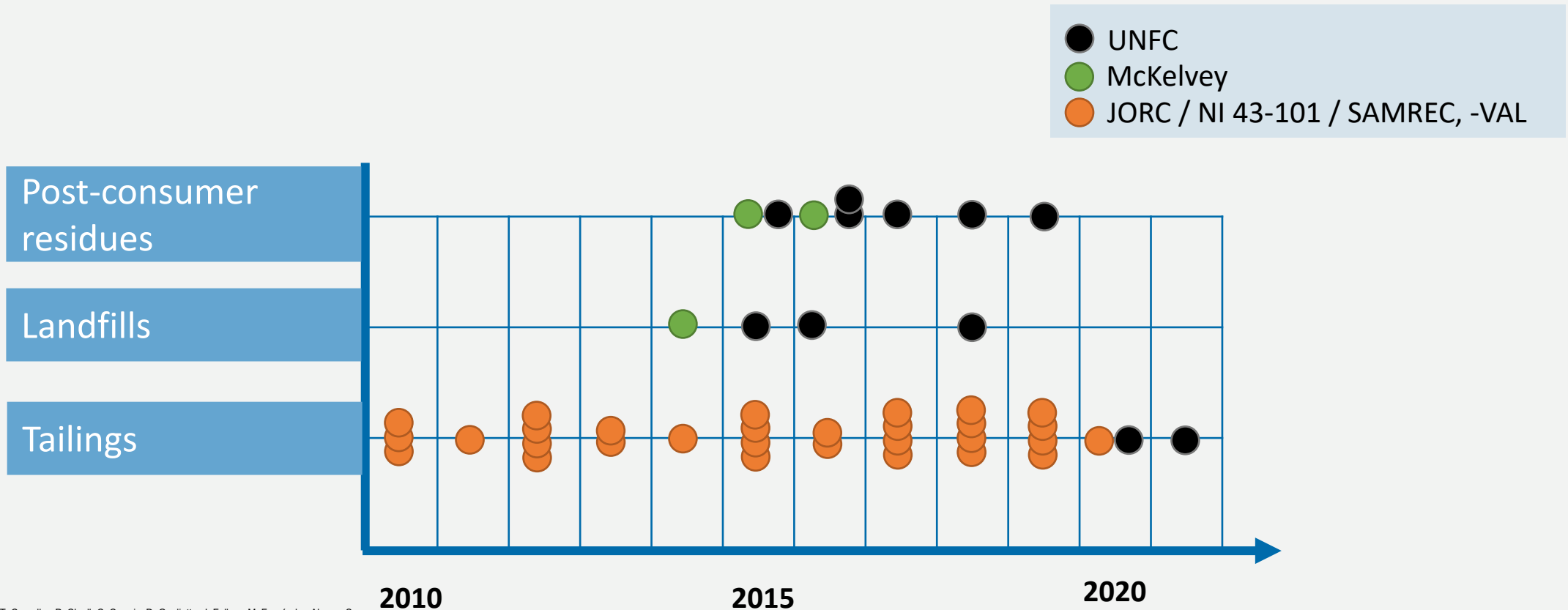
Project Reporting principles

- ❖ Transparency
- ❖ Completeness
- ❖ Comparability
- ❖ Qualification



Recycling project information

... through classification (and reporting)



Data taken from: Blasenbauer, D., A. Bogush, T. Carvalho, P. Cleall, C. Cormio, D. Guglietta, J. Fellner, M. Fernández-Alonso, S. Heuss-Aßbichler, F. Huber, U. Kral, M. Kriipsalu, J. Krook, D. Laner, J. Lederer, B. Lemière, G. Liu, R. Mao, S. Mueller, M. Quina, D. Sinnelt, J. Stegemann, M. Syc, K. Szabó, T.T. Werner, E. Wille, A. Winterstetter, and G. Žibret (2020). Knowledge base to facilitate anthropogenic resource assessment (MINEA Deliverable). COST Action Mining the European Anthroposphere (MINEA). DOI: <https://doi.org/10.5281/zenodo.3739164>

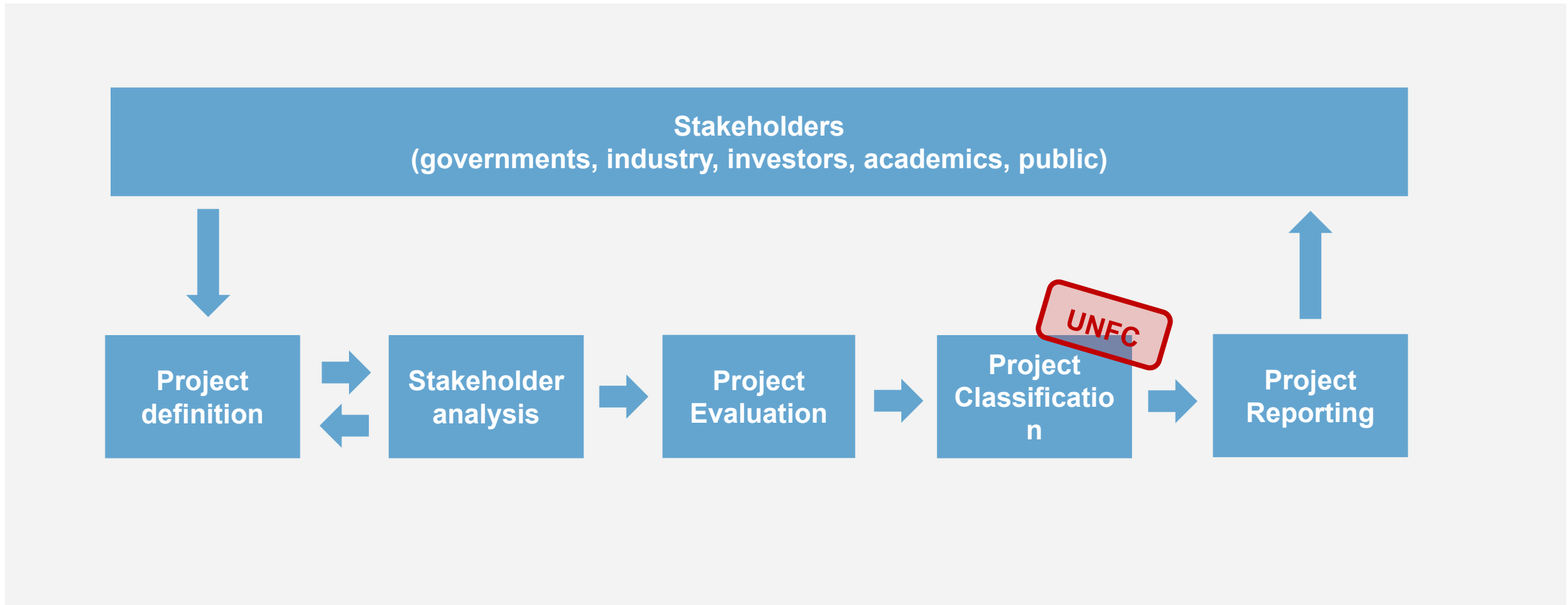
Fulfillment of project reporting principles

Evidence from case study review

Transparency	~
Completeness	-
Comparability	-
Qualification	+

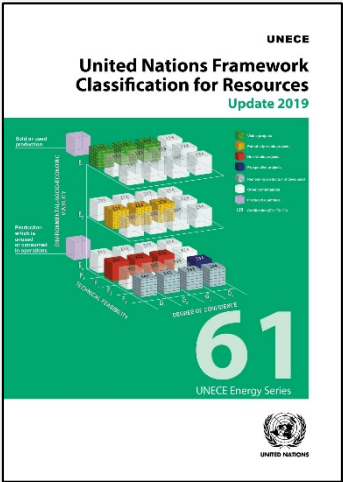


Framework

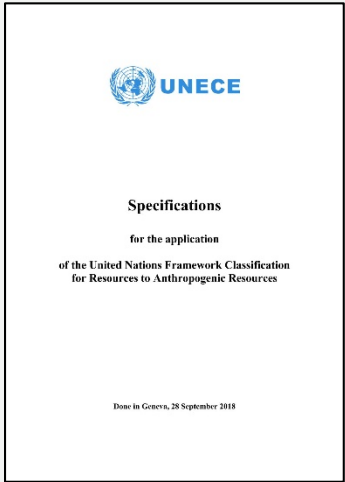


UNFC documents

Generic Terminology & principles



Specifications Anthropogenic Resources



<https://doi.org/10.5281/zenodo.3759026>

Guidelines



UNFC as enabler

UNFC allows to

- ❖ **communicate the viability of recycling projects**
- ❖ **deliver project information to relevant stakeholders**
- ❖ **compare (mining and) recycling projects**



Thank you!

Ulrich Kral
Chair of UNECE EGRM Anthropogenic Resource
WG
affiliated at Environment Agency Austria

[UNECE](#)

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