

Futu

Future availability
of secondary
raw materials

RaM

Future Availability of Secondary Raw Materials: Development of an assessment system in alignment with the UNFC

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Swiss Confederation

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

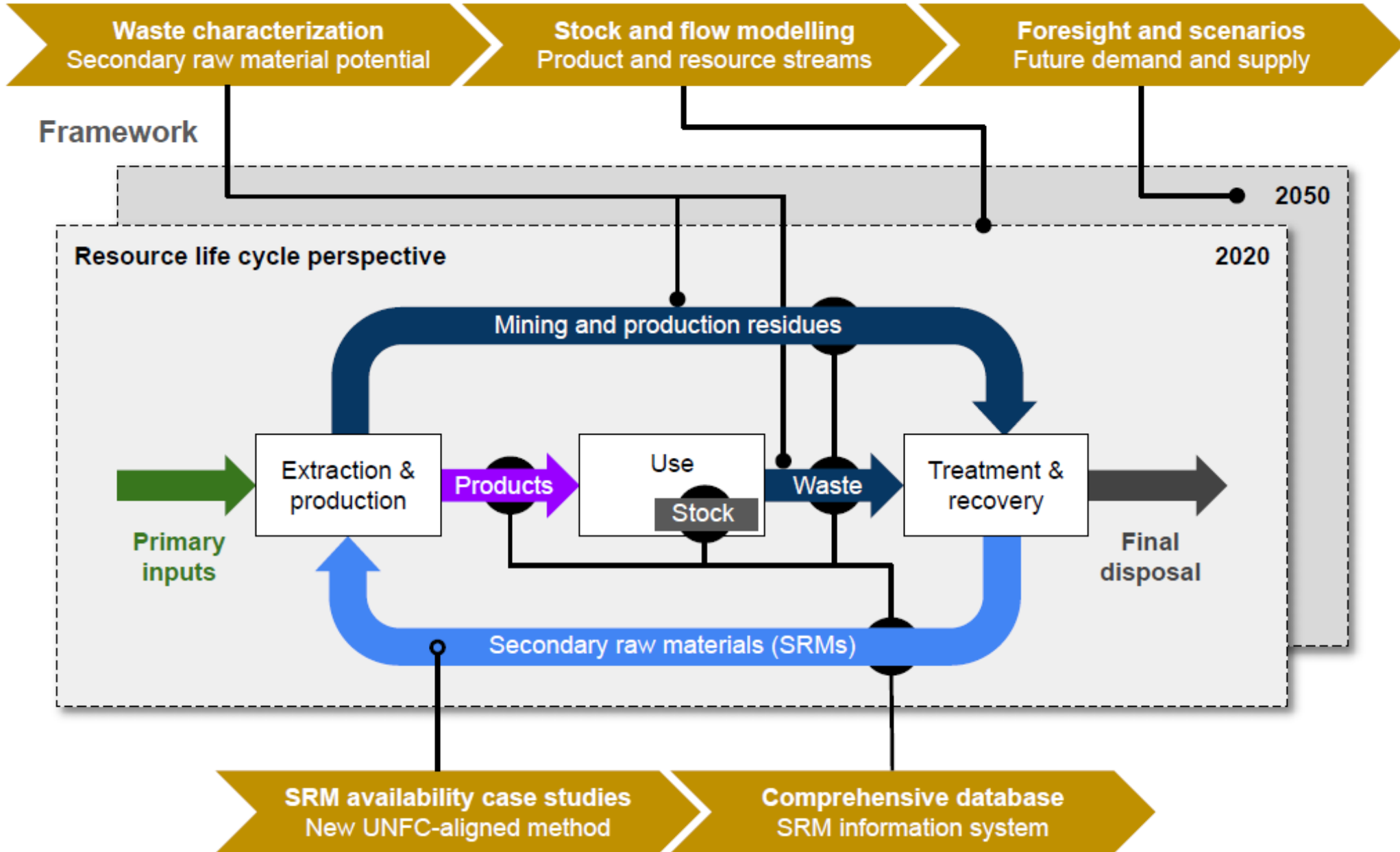
EU Framework Programmes

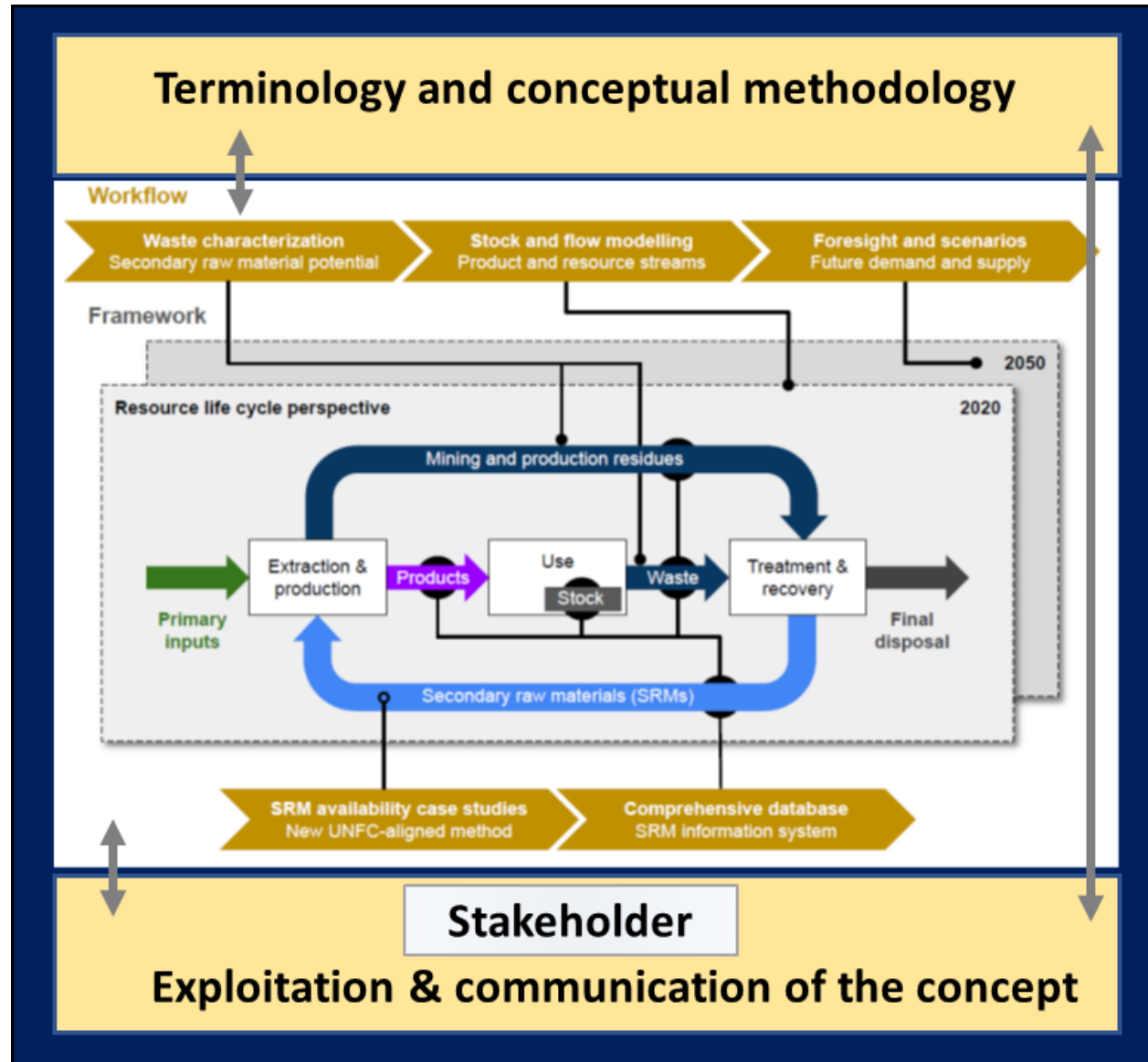


**Funded by
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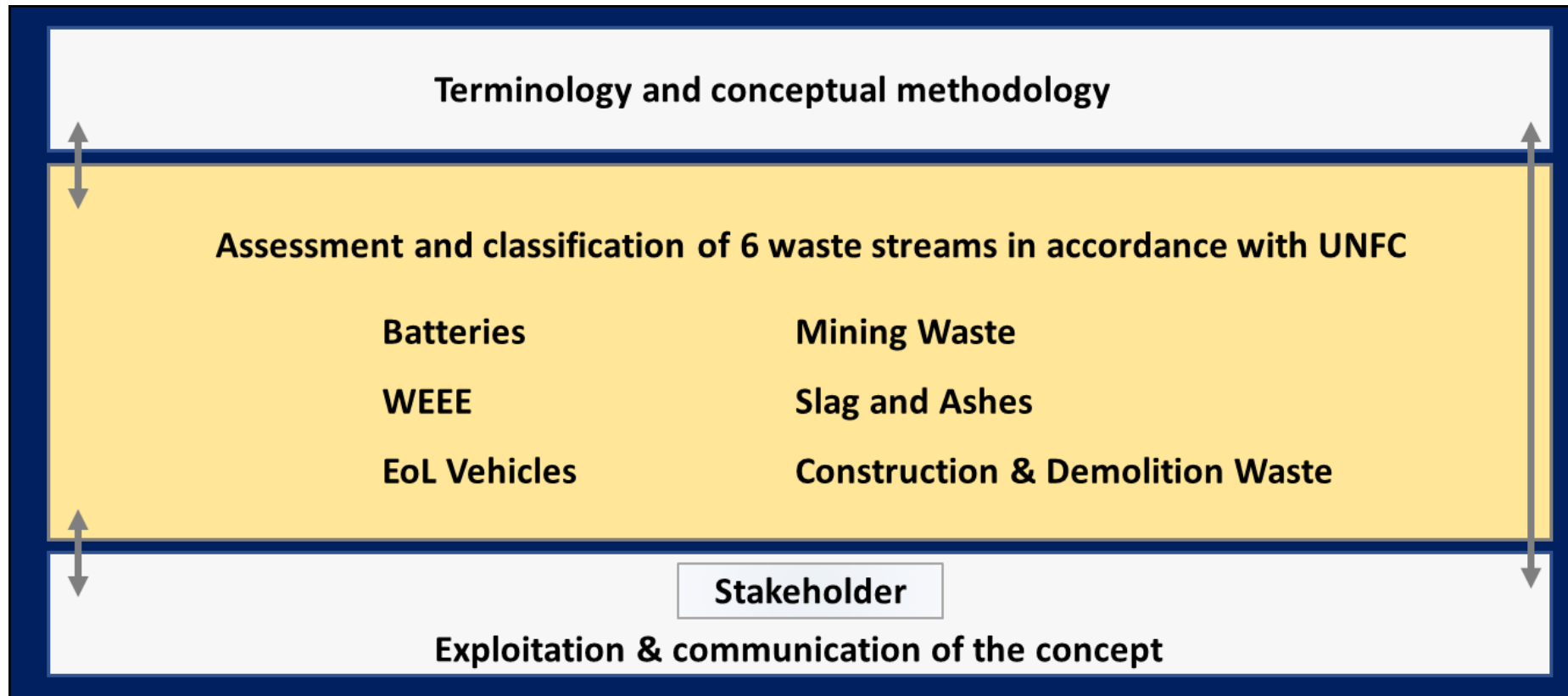


Workflow



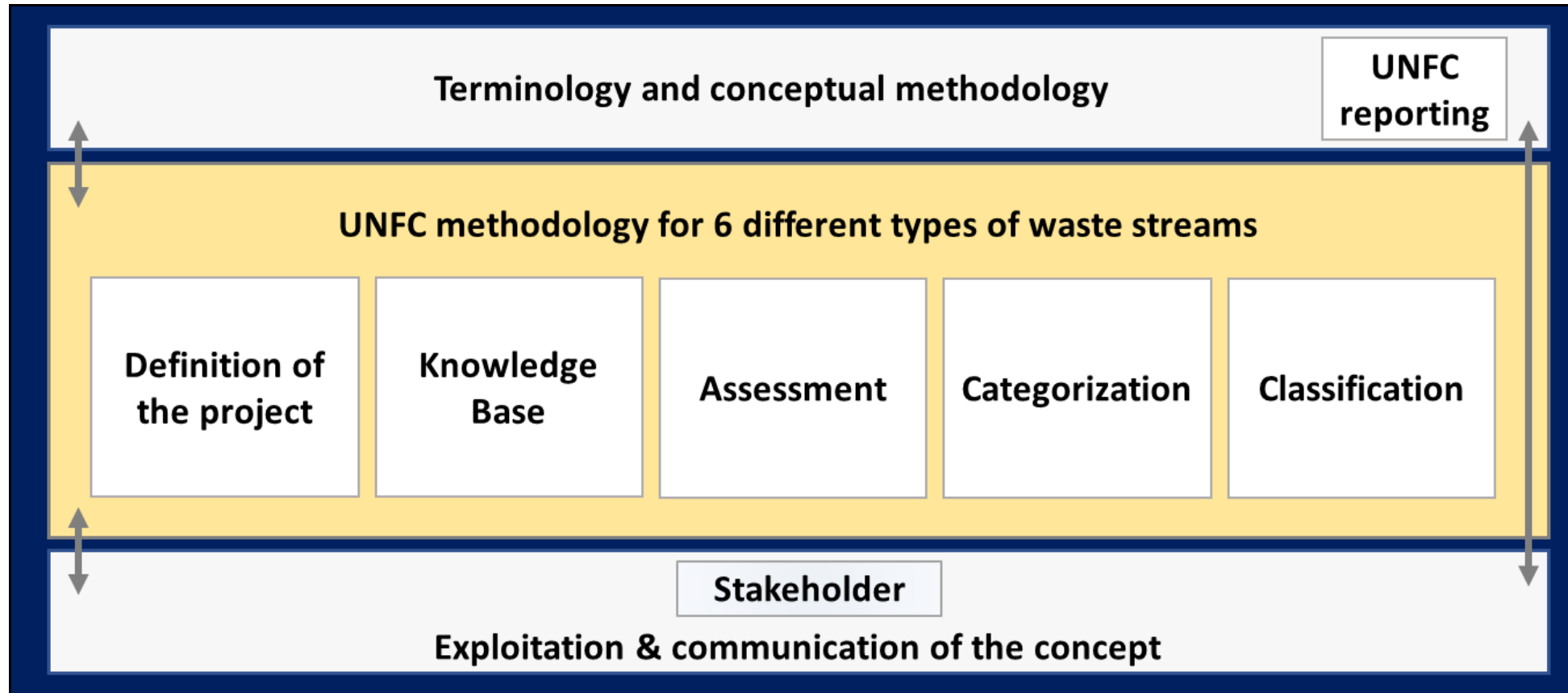


Development of case studies



- Comprehensive, transparent, comparable assessment for decision-making

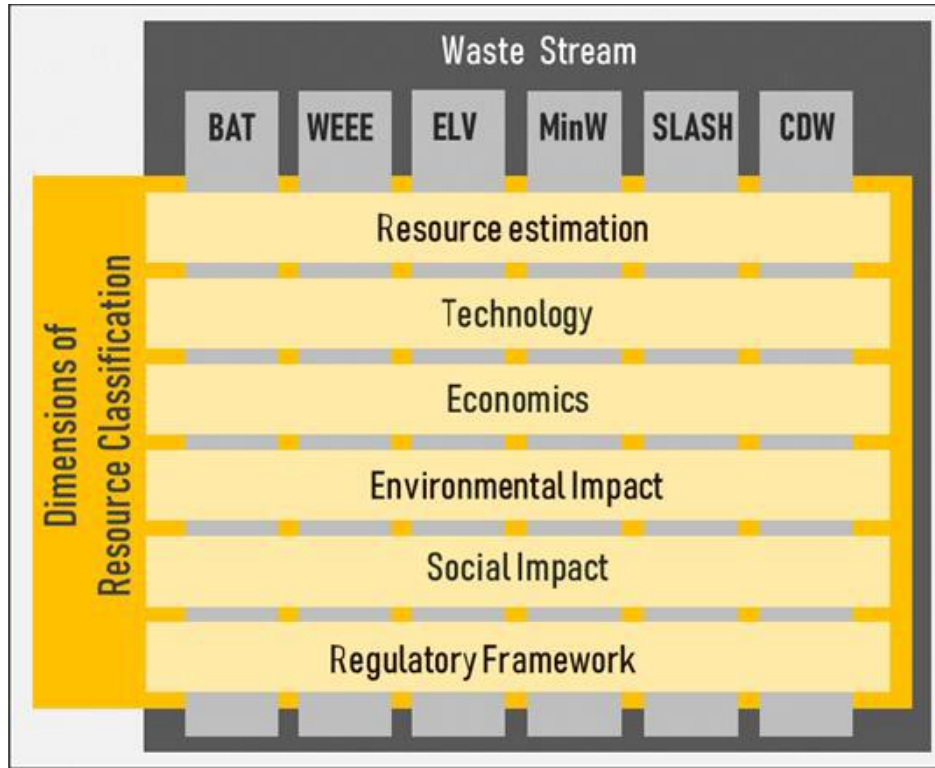
Development of case studies



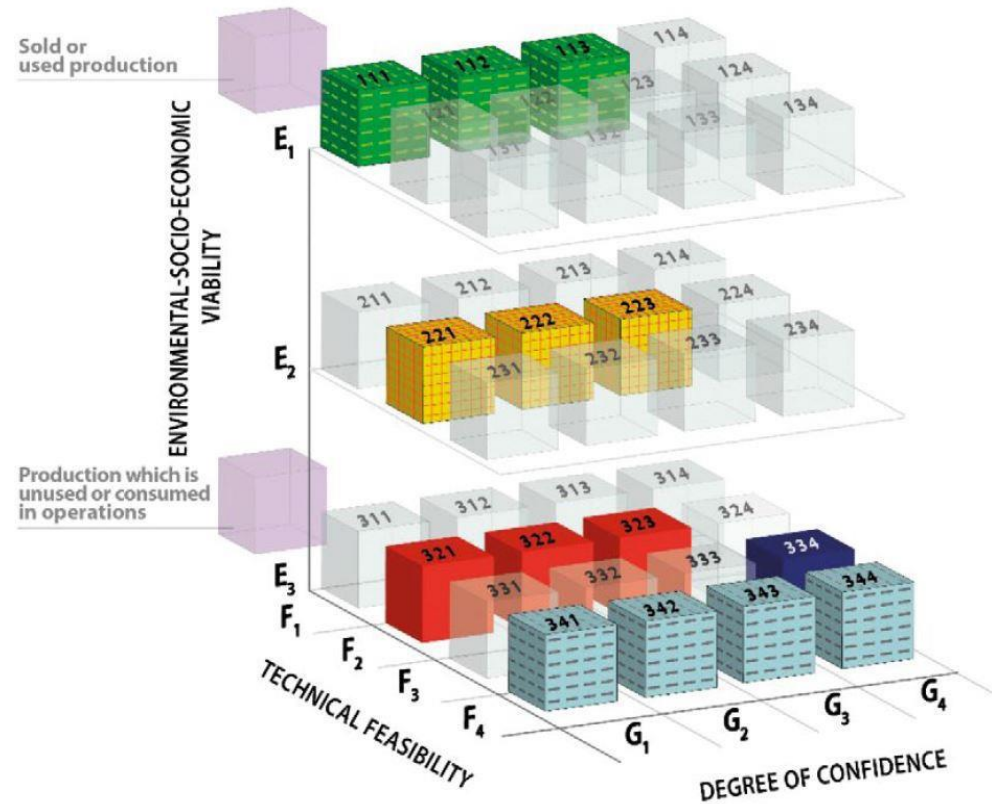
- Comprehensive, transparent, comparable assessment for decision-making

Application of UNFC

Knowledge base & assessment



Categorization & classification

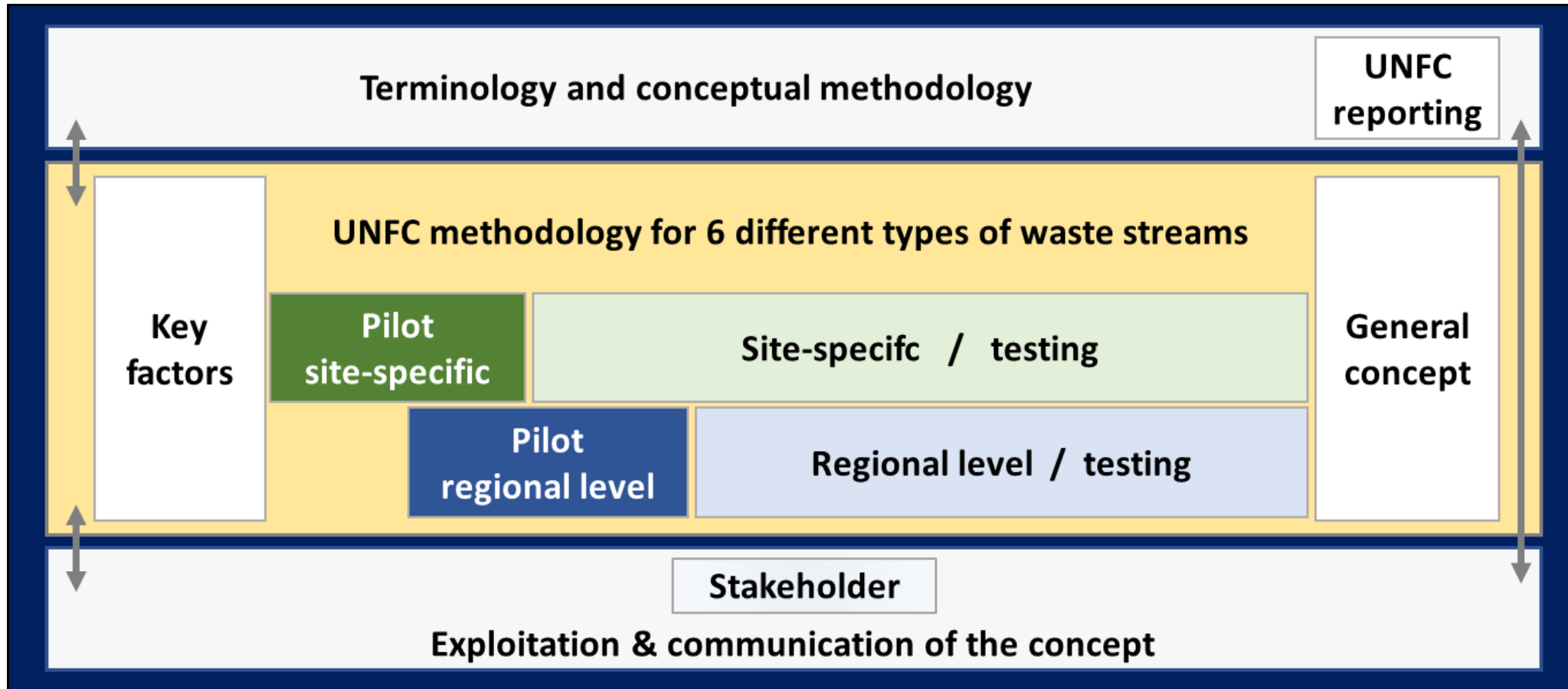


UNFC Case Studies



- In total, 19 different case studies across the six waste streams
- Site-specific cases as well as regional / national case studies
- Different stages of projects maturity (prospective, commercial)
- Inclusion of data models, data quality, and uncertainty assessment
- Stakeholder integration

Development of the case studies



- Mining waste as pilot case studies

Pilot Case studies in Mining Waste for CRMs, e.g. Co, Ge



Kristineberg mine (Zn, Cu, Au, Ag)
operated 1940 – 1987



Laisvall mine (Pb)
operated 1938 – 2001



FutuRaM

- 01.** Knowledge on the availability and recoverability of secondary raw materials in Europe with a focus on critical raw materials
- 02.** Establish a consistent terminology, and methodology, reporting structure, and guidance
- 03.** Application of the UNFC for fact-based decisions on SRM recovery projects

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Thank you !

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