MINTELL4EU:
UNFC RAW MATERIALS CASE STUDIES –
EXPERIENCE FROM GeoERA

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This project has received funding by the European Union’s Horizon 2020 research and innovation programme under grant agreement number 731166
**MINTELL4EU: 19 CASE STUDIES IN 9 COUNTRIES**

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N: National, aggregated  n: National, site  R: Regional, aggregated  r: Regional, site  S: Site, site

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UNFC is easy and simple for CRIRSCO-compliant resources

Any resource can be classified into UNFC categories

Major issues:

- Old data and information (*what is the current relevance?*)
- Recent data not CRIRSCO-compliant, yet categorised into UNFC classes as it were so (*how can we trust the categorisation?*)
- Information not accessible (*industrial minerals; legislation not demanding reporting of any kind; practices of hiding data*)
- A large variation in how evaluators quantify resources, interpret the EFG criteria

**MINTELL4EU:**

19 CASE STUDIES IN 9 COUNTRIES (+ other recent experience)

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Challenges in mapping ‘historic’ (and some other) resources into UNFC categories (+ some solutions)

- Non-compliant, i.e., bridging document cannot be used
- Old reporting documents and related data can be scanty to non-existent => Hard to assess the quality and data density => high numbers for UNFC categories
- Some commodities reported in an older but not in the latest resource => Different UNFC categories in a deposit for individual commodities (e.g., lithium at 222, but tantalum at 343)
- CRIRSCO-compliant resource >10 years ago, then the company left the prospect, the possible new owner has not released a new resource => Change from 221, 222, 223 to 321, 322, 323 or to 331, 332, 333 (from compliant to non-compliant resources!)
- IM deposit: overall resource only given, only in an EIA => all goes into 111+112+221+222+223 (if active project or a mine, and permits granted) or 3,3,3 (if non-active and not permitted)
WHAT TO DO?

- National and international **policy frameworks** needed to overcome poor data availability and sharing
- Need for **clearer guidelines allowing as little as possible subjective interpretation** to improve quality and facilitate consistent categorization within the UNFC
- A permanent body organising and supporting training across all countries, organisations, evaluators

Main focus of trainees: **experts working on deposit databases and national resources accounting**, i.e., experts in public organisations

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Thank you!

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MINTELL4EU WP4

MINTELL4EU WP4 deliverables at:

UNFC guidelines report by GTK:

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