



# GSEU

**GEOLOGICAL SERVICE | FOR EUROPE**

## UNFC activities in the GSEU

UNECE Resource Management Week,  
25h of April, Geneva

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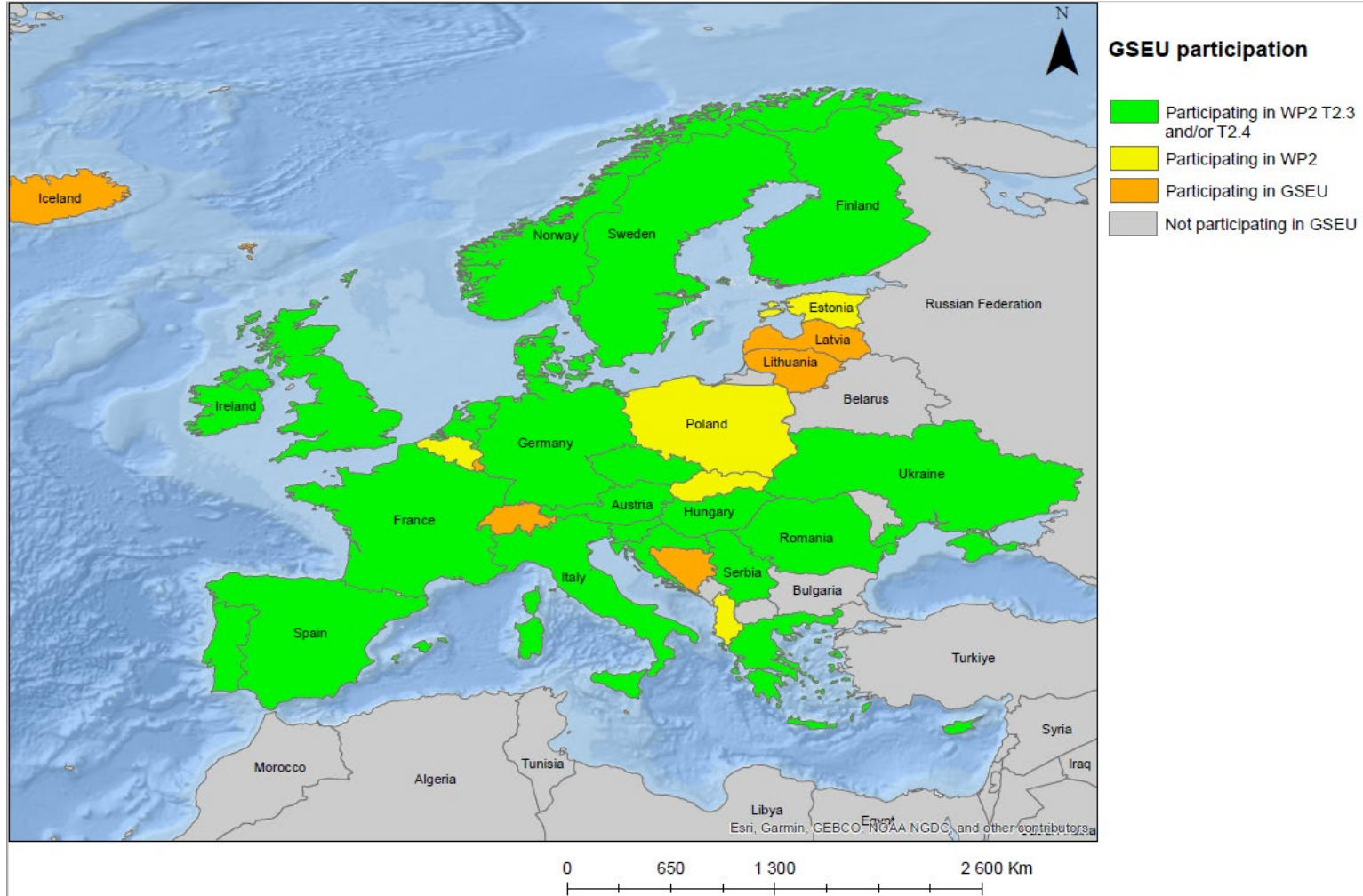
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 **SARA**



# Participating countries in the questionnaire survey



Data valorization and UNFC data service to the EGDI



Joint guidance  
Based on UNECE UNFC Guidance for Europe and taking into account national/regional circumstance

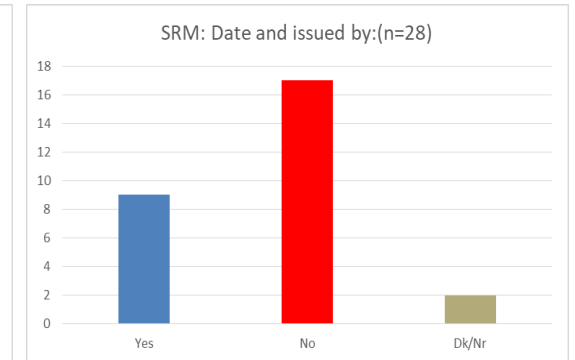
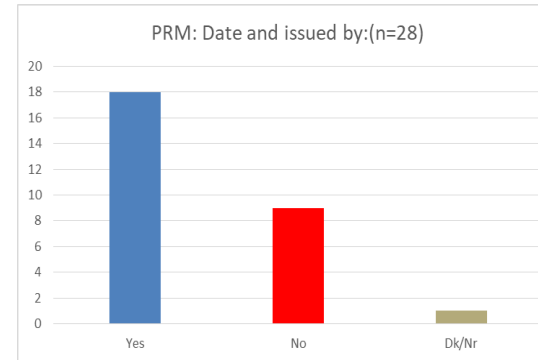


Baseline Assessment



# Resource management, legislation and UNFC

- **Raw materials have a strategic importance almost in all European countries** based on:
  - Published strategy (e.g. Austria, Finland, Germany, Sweden, Portugal, Norway),
  - Roadmap for circularity including resources (France),
  - Regionall resource management (e.g. Germany, Italy, Belgium)
  - Mineral policy statement e.g. (Ireland)
  - Supporting strategies (e.g. UK)
  - Mining acts, laws (e.g. Czhecia, Croatia, Hungary, Netherland, Romania, Poland Slovakia, Ukraine),
  - General principles of Earth crust's policy (Estonia)
- **UNFC is integrated into the legislation** in Ukraine (1997), in Romania (1998), in Hungary (2021)



- The legislation in Europe for data collection differs for PRM and for SRM
- **Less countries have issued legislation for SRM data collection**

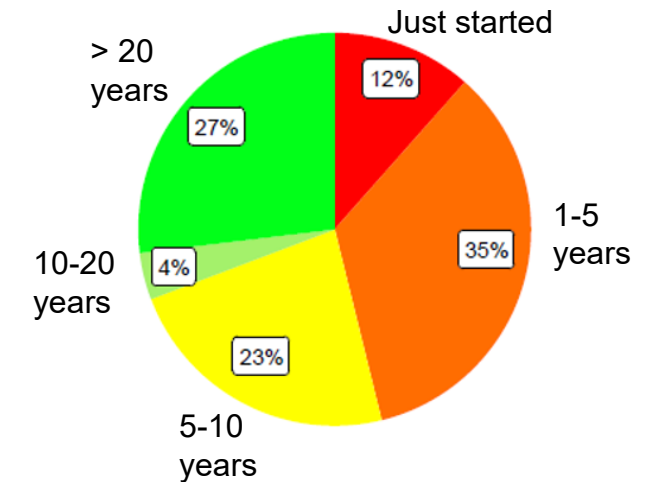


Data collection supported by legislation would facilitate the UNFC application.



## UNFC activities of GSEU Partners

- In the **EuroGeoSurevys Mineral Resource Expert Group** the declared **UNFC activity** history has almost 10 years.
- Additionally taking into account many national / regional level project activities, international, mainly EU-funded project results in the EuroGeoSurveys (MINVNETORY, ORAMA, GEOERA) the involvement of Geological Survey Organization in the UNECE EGRM, it can be stated **that raw materials data provider organizations have experience with UNFC almost in all European countries.**
- **Longer period for UNFC activity:** Ukraine, Germany, Poland, Czhecia, Hungary, Portugal, Slovenia
- **Medium:** Finland, Sweden, Norway, UK, France, Spain, Austria, Serbia, Croatia, Italy

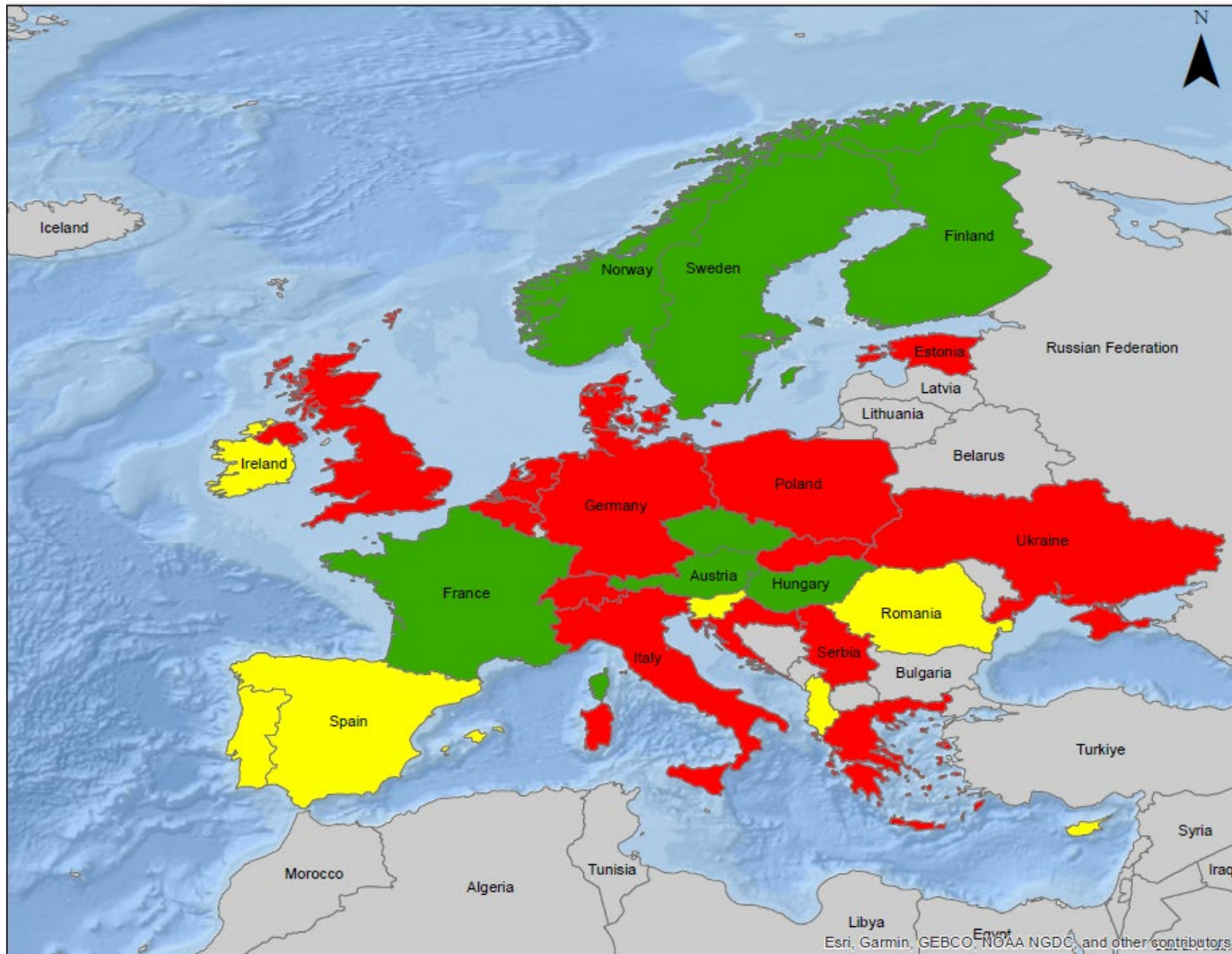


An increased UNFC activity can be detected within the GSEU project





# UNFC related data availability for raw materials



## Legend

UNFC classification data available for EGDI data provision

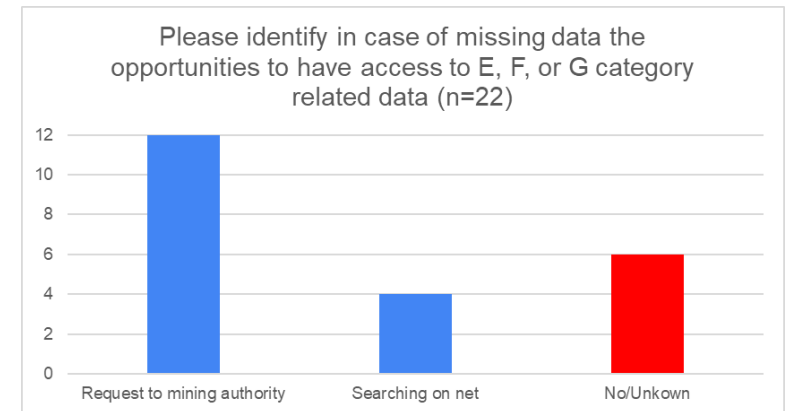
- Green: G, E, F categories
- Yellow: G, E categories
- Red: G category
- Grey: No data available

Partners have data for

E: 50 %

F: 25%

G: 100 %



To find and develop data access to UNFC classification

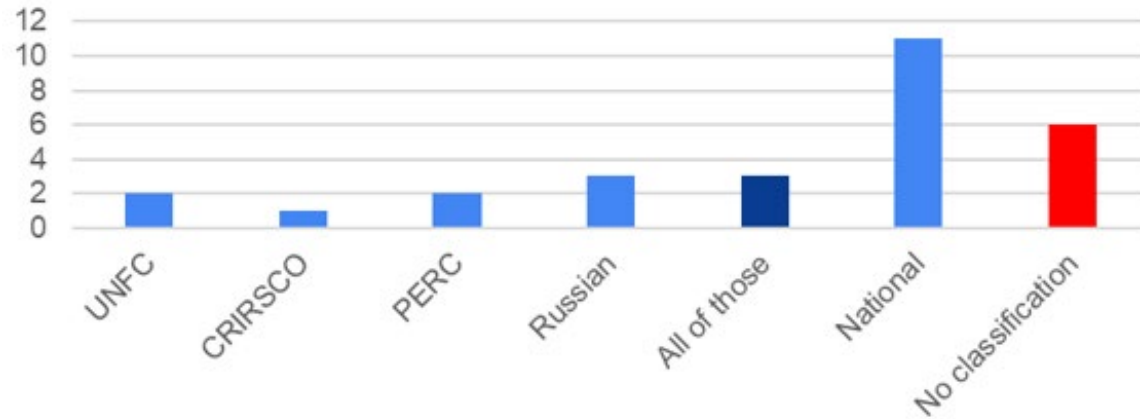


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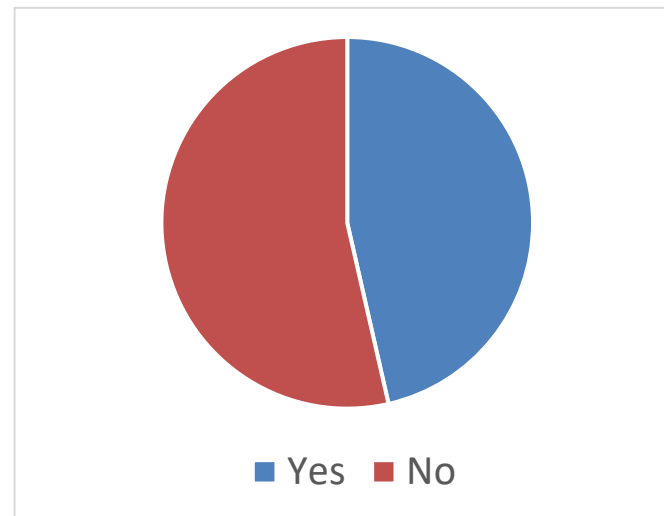


# Classification-reporting systems / expertise

Classification and reporting systems



Qualified/  
Competent Person  
or certified expert  
on national level



- The picture is heterogenous
- National classification and reporting systems are dominant.

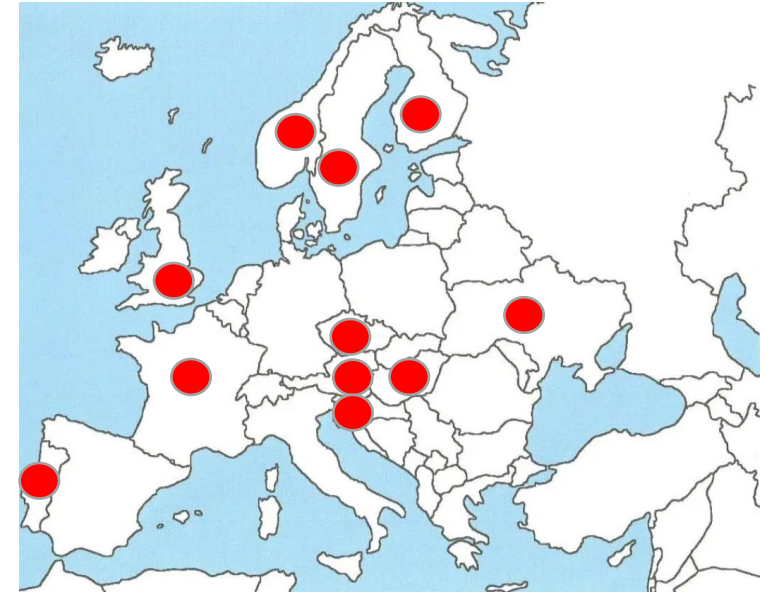
- 40-50 CP/QP and certified national experts are considered.
- All geologist experts can contribute to the UNFC data service

➔ Existing classifications and reporting systems need to be harmonized with UNFC



# Methodology

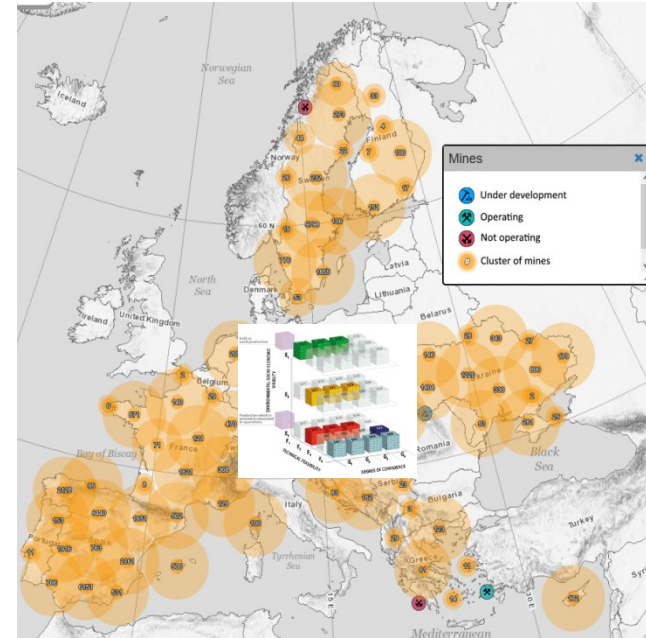
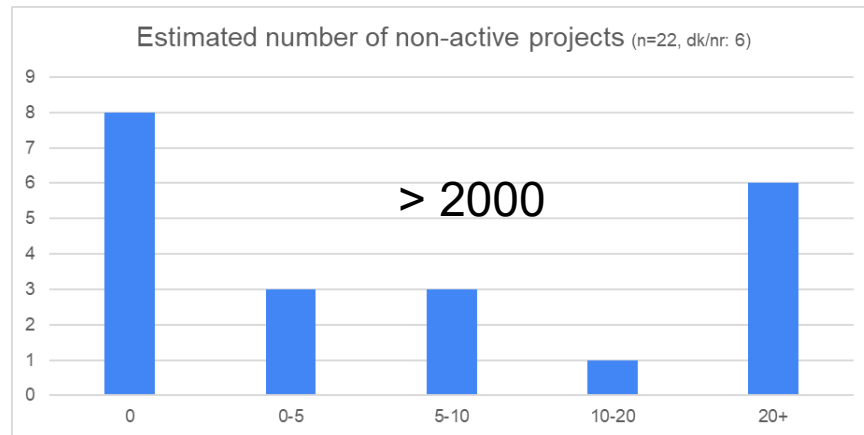
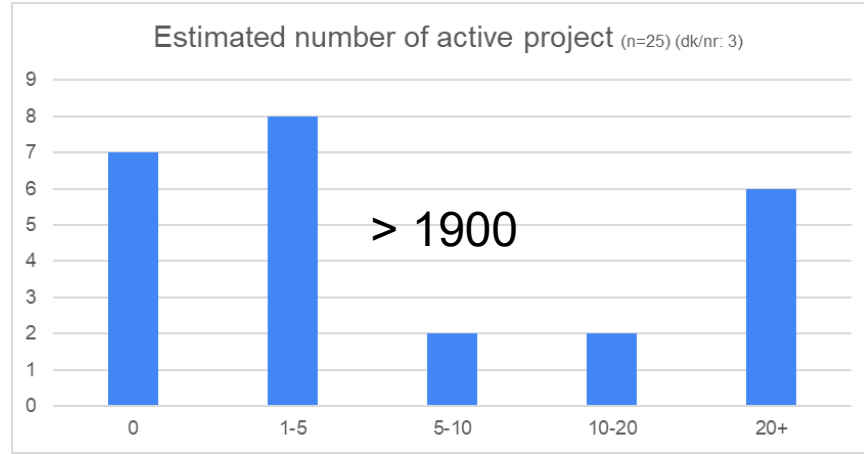
- **On the EGS MREG/GSEU Meeting in Ljubljana** (28th of March 2023) Austria, Czhecia, Finland, France, Hungary, Norway, Portugal, Slovenia, Sweden, UK experts shared national methodologies or plans. UNFC in Ukraine is considered.
- **Data type:** mainly resource, reserve; status; exploration; production; mine waste
- **Data collection:** from legally binding to voluntary; web search; mainly annual; request from mining authority; confidentiality; publically available data
- **Data base:** mainly centralized national database or collected on project base specifically for UNFC purposes, + EGDI, RMIS
- **Guidance:** exist or in progress; national one based on UNFC-1997 or UNFC-2019; regional (Nordic), decision flow (BGS), RMSG instructions, UNECE UNFC Guidance for Europe can be .
- **Cases:** Li, bauxite, W, Sb, F, Co, graphite, high-grade quartz, baryte, VMS, REE



Increase mapping, bridging and preparation of national guidance



# Number of projects to be served in UNFC to the EGDI



➔ Identification of data types to UNFC dataservice to the EGDI





## Summary, next steps

- We are working on updating European UNFC activity with a proper regional coverage
- The joint work supports harmonization of national/regional UNFC methodologies and helps data provider Partners to prepare datasets for UNFC data service to the EGDI.
- In addition to the differences in national/regional raw material data collection and data provision the UNECE UNFC Guidance for Europe and EC DG Grow instructions will also help to harmonize UNFC methodologies.
- The goal is to facilitate the establishment of an uniform and transparent UNFC classification on national/regional levels and to provide UNFC codes to mineral occurrences, active and non-active exploration and mining projects in the EGDI + EGDI will also be updated.
- Based on baseline assessment results on raw materials mainly for CRMs one of the next step will be the co-operation with other WPs dealing with geoenery and groundwater.
- Knowledge, skills and capacities will also be developed in synergy with the developing ICE and NopE activity.



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**Thank you for you attention**



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