



GSEU

GEOLOGICAL SERVICE | FOR EUROPE

GSEU WP2 TRAIN-THE-TRAINER COURSE

Module: Introduction

Level 1

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www.geologicalservice.eu



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Scene Setter

- Purpose and limitations of the ICE training courses
- Concept, structure, target group and timeframe
- Motivation - UNFC and CRMA
- Reflection on the pre-course questionnaire



Disclaimer

Participants are advised to **consult the official documents** on the use of United Nations Framework Classification for Resources (UNFC).

All **existing legal frameworks** in the European Union **remain binding** and are not affected.

Any information provided as part of the training are **recommendations** and **suggestions**.

The use cases are **for training purposes only** and are either based on publicly available information or are fictitious to illustrate certain facts.

The figures and findings presented here will not replace own assumptions or override any official products.

All information has been compiled to the best of knowledge and belief at the time of writing, but may not be error-free. Yet, recent developments may not have been taken into account and any errors are human. Hence, the accuracy, reliability or completeness of the material can not be guaranteed.



Limitations

The Course

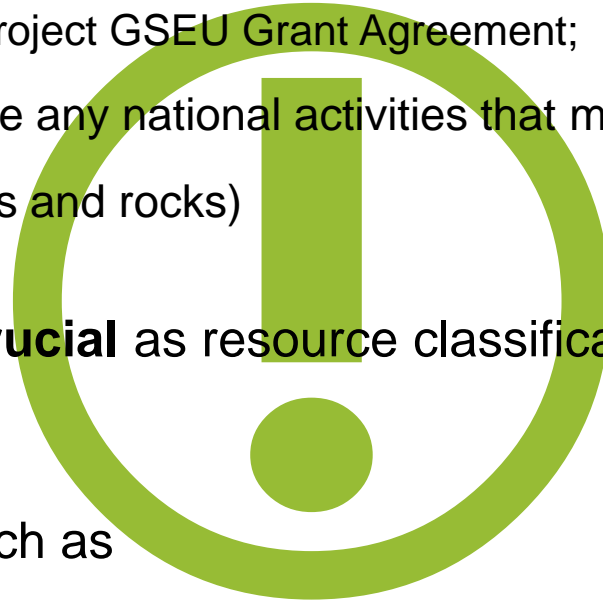
- acts within the limitations of the EU-project GSEU Grant Agreement;
- will assist but not replace or overrule any national activities that may required;
- focusses on raw materials (minerals and rocks)

Resource estimations remain crucial as resource classifications according to UNFC do not replace resource estimations

Does **not provide certificates** such as

- Competent Person (CRIRSCO);
- UNFC-qualified experts certificate by UNECE;
- Equal to a court-certified expert opinion

- Critical raw materials (CRM) of primary origin are paramount;
- Secondary sources, including mining waste are circumstantial.





Certificate of Attendance

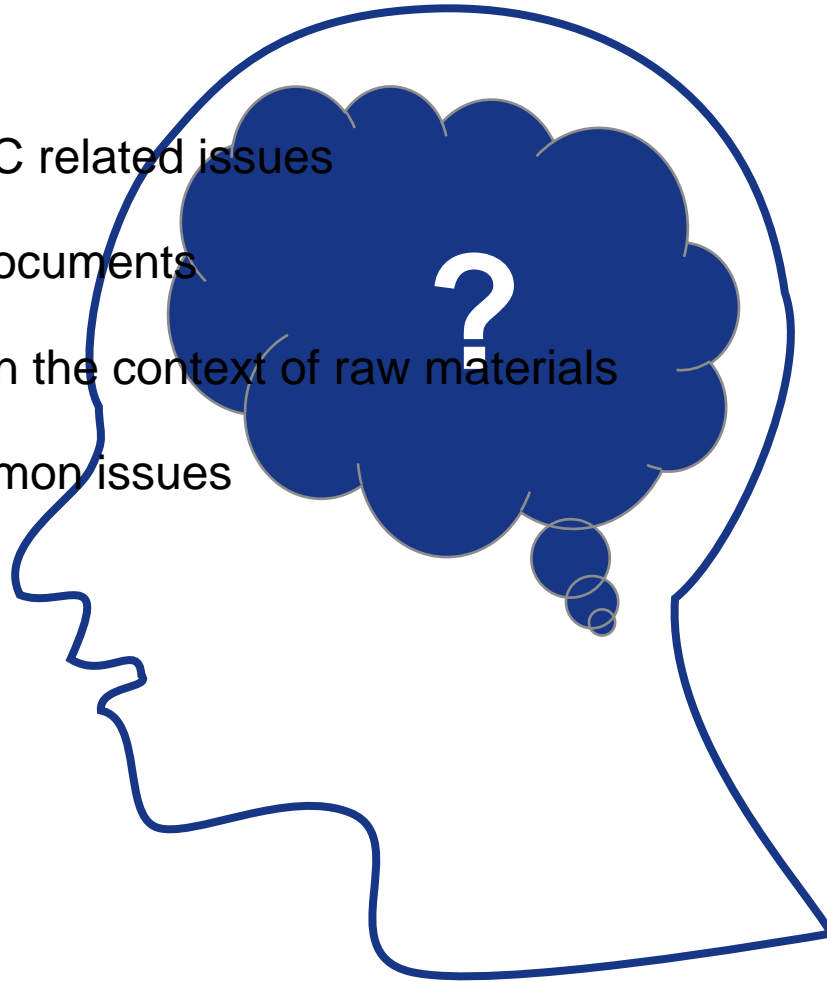
At each of the three levels a **Certificate of Attendance** can be obtained.





What will trainees learn?

- Get an overview of all UNFC related issues
- Understanding of the key documents
- First insides of application in the context of raw materials
- How to deal with most common issues





Purpose

EU ICE SRM [in prep.] capacity building „**TRAIN THE TRAINERS**“

- to be able to train at national level (covering 20 EU MS in first training programme);
- Qualifies trainees to act as „qualified experts“

To support actions and measures in relation to the **Critical Raw Materials Act (CRMA)**

- to classify (strategic) projects using UNFC;
- to enhance project inventories across Europe;

with focus on

- national exploration programmes;
- monitoring.

Priorities

- **Critical Raw Materials**
 - ☛ Important for the whole EU economy and facing a high risk of supply disruption
- **Strategic Raw Materials**
 - ☛ High strategic importance and projected global supply/demand imbalance



Target group

Raw material experts from public organisations:

- GSEU WP2 project partners;
- Staff of national and regional Geological Survey Organisations (GSO);
- Staff of national, regional and local authorities (i.e. ministries, mining authorities, state mining offices) working on issues like:
resource estimations, raw material inventories, permitting, forecasts and monitoring





Motivation – UNFC in the spotlight of CRMA

Critical Raw Materials Act (CRMA)

- identifies UNFC key for public resource management;
- stress the need to report national inventories and monitoring UNFC conform;

GSO are the national and regional organisations in many EU Member States:

- mandated to collect and/or to compile resource data on national and/or international level, and
- requested to provide expert opinions and advice to the government and public.

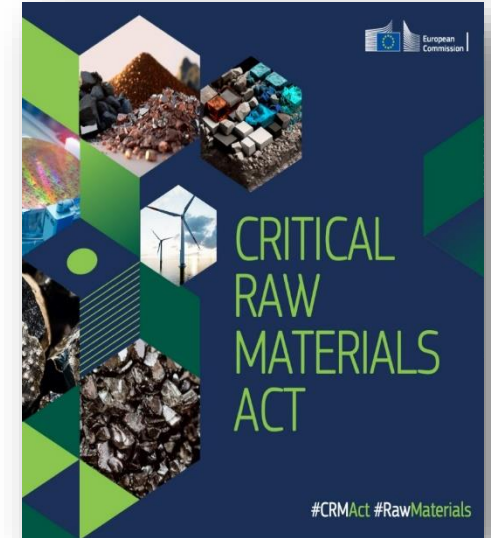
① Be prepared providing **cohered advice on UNFC common understanding** of its application across the EU.

GOAL: GSEU continue with EU ICE SRM based on GSOs expertise in the vary areas of geology and underpinned. by building capacity in other UNFC application areas.



National exploration programmes

- Each MS shall draw up a **national programme for general exploration** targeted at critical raw materials [...] be reviewed and [...] updated, at least every 5 years.
- The national exploration programmes [...] shall include **measures to increase available information** on the Union's critical raw material occurrences, including deep ore deposits. [...].
- Member States shall make the information on their mineral occurrences containing critical raw materials gathered [...] publicly available on a free access website. This **information** shall [...] **include the classification of the identified occurrences** using the **United Nations Framework Classification for Resources**. [...]



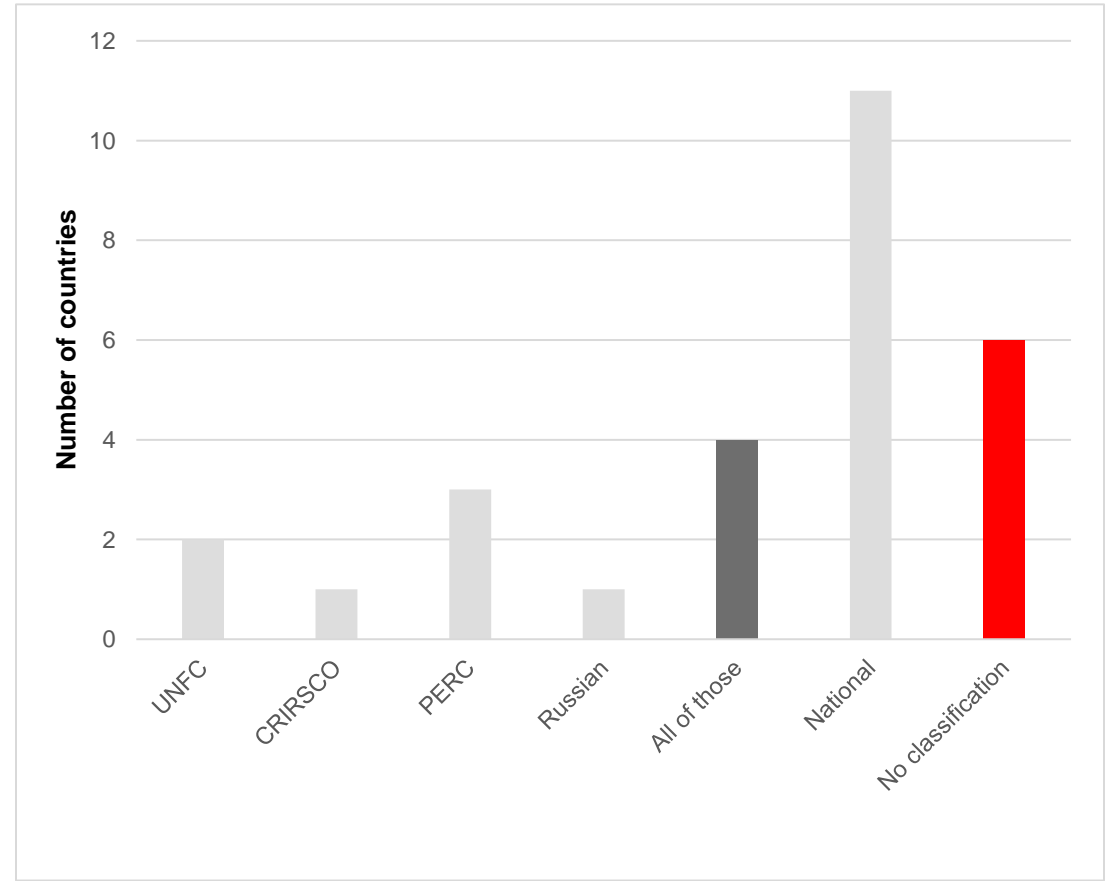


Reporting standards and classification systems applied in the EU

Variety of reporting standards and different classification systems applied among GSEU project partners representing European countries.

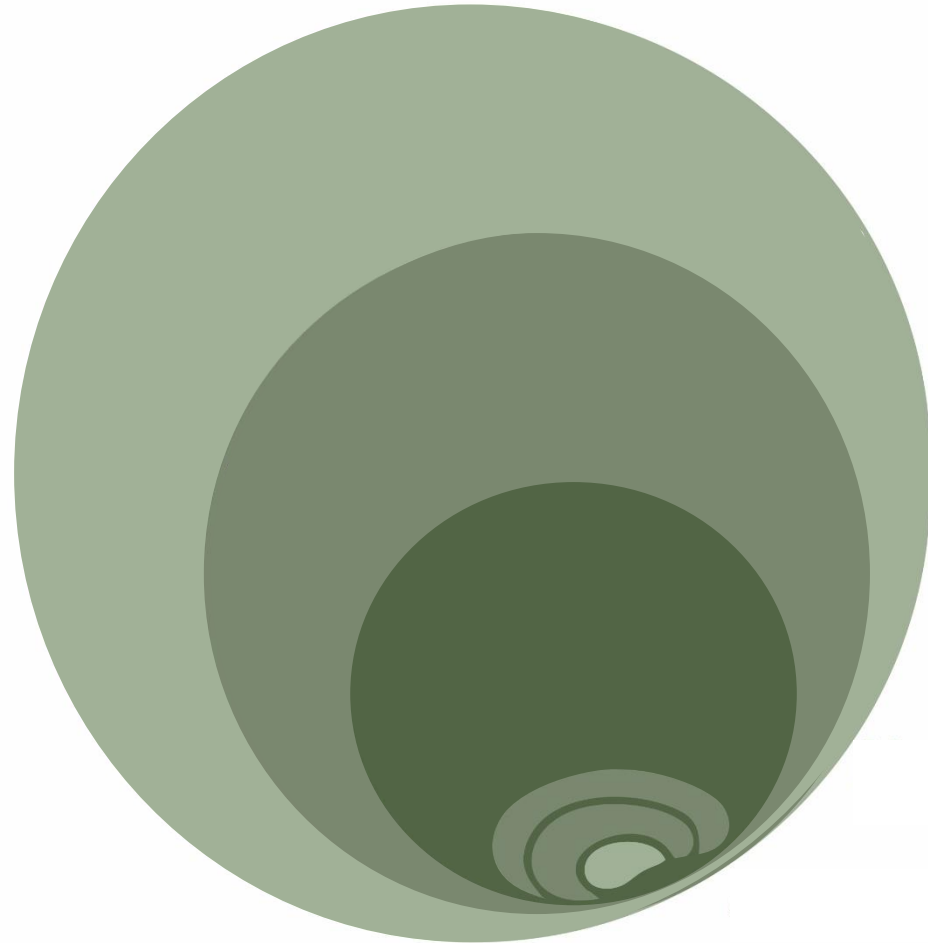
Compiling the vary national mineral inventory and their aggregation to a common EU minerals inventory can be achieved by bridging every system to UNFC.

Hence, the national systems national systems remain unaffected.



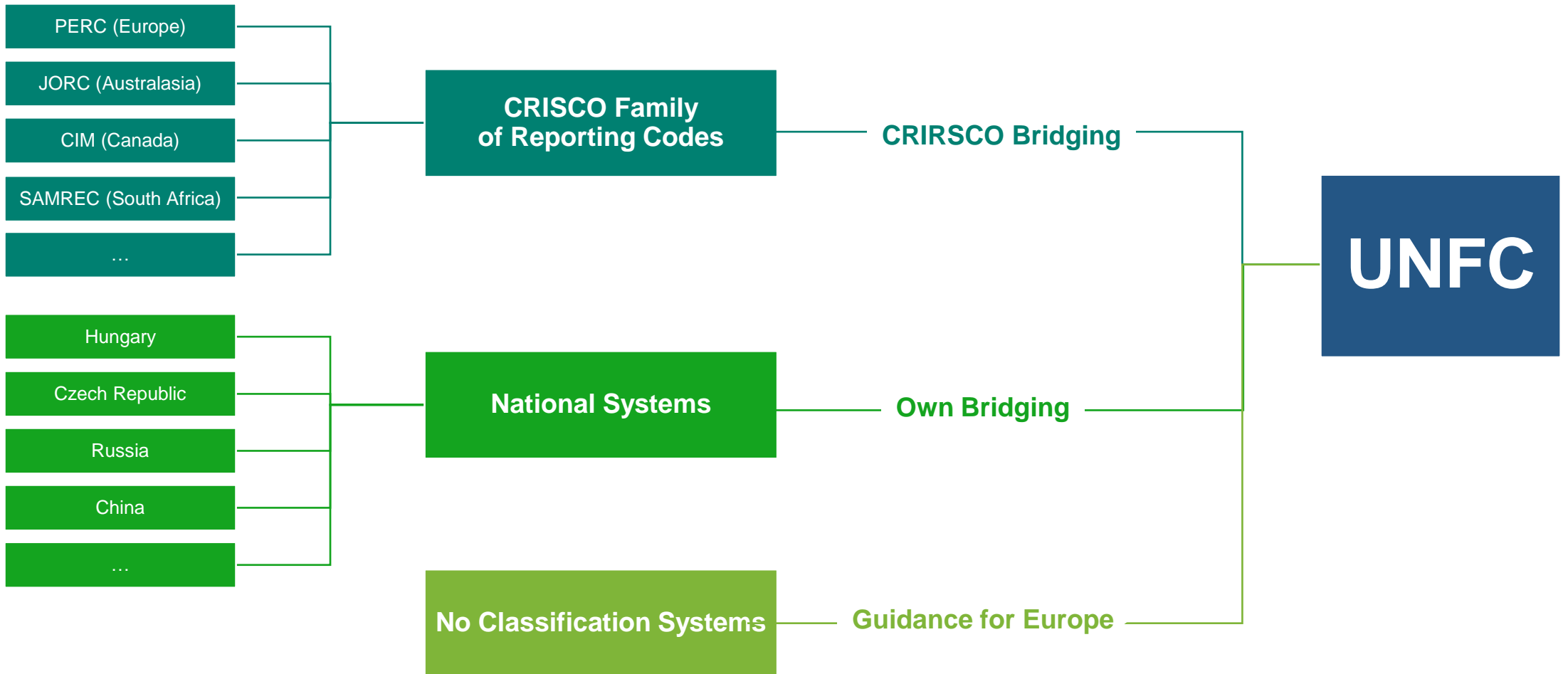


Level of Involvement

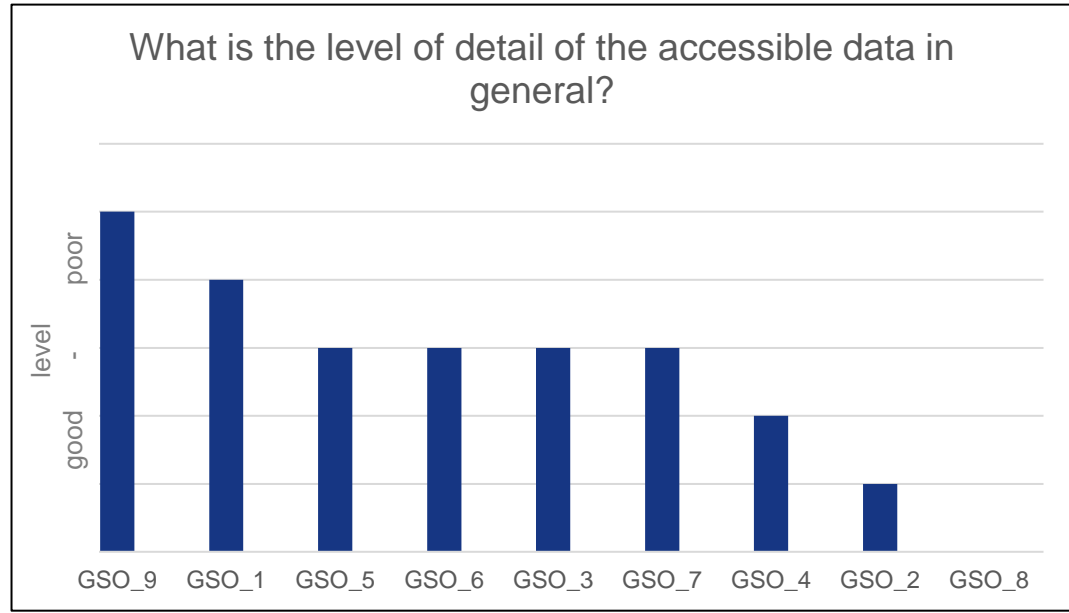
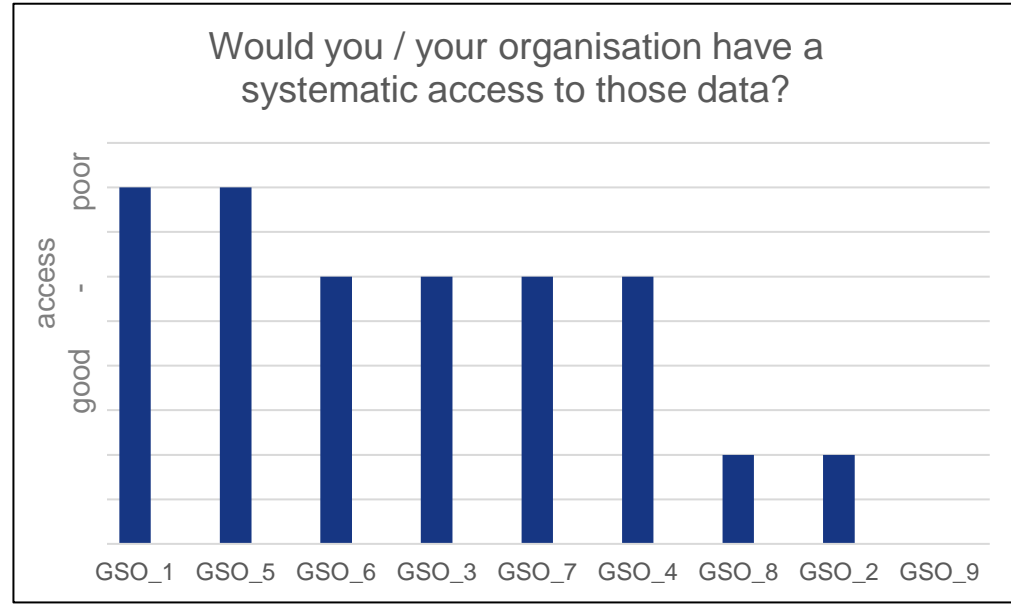
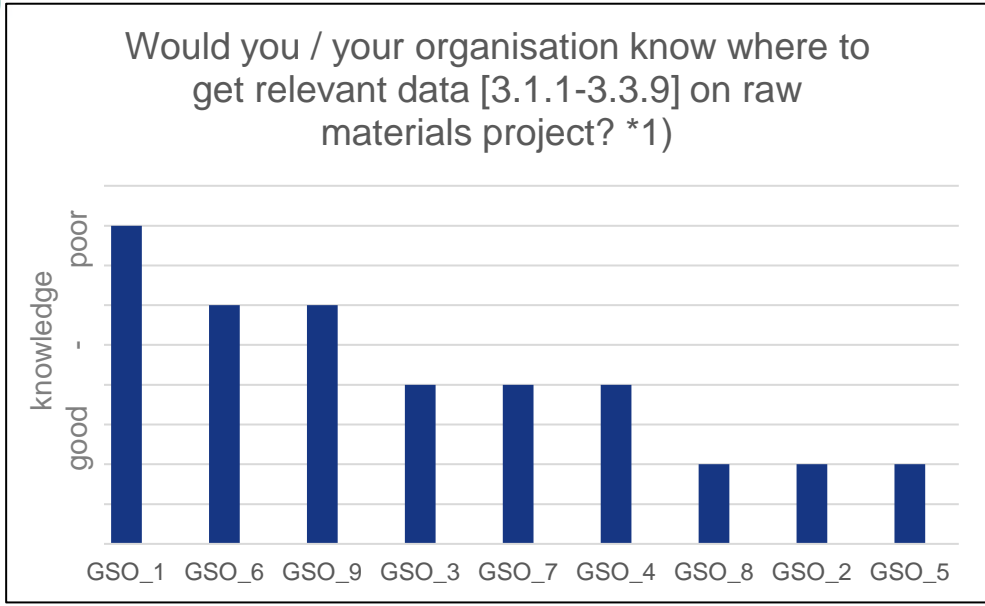




Relations



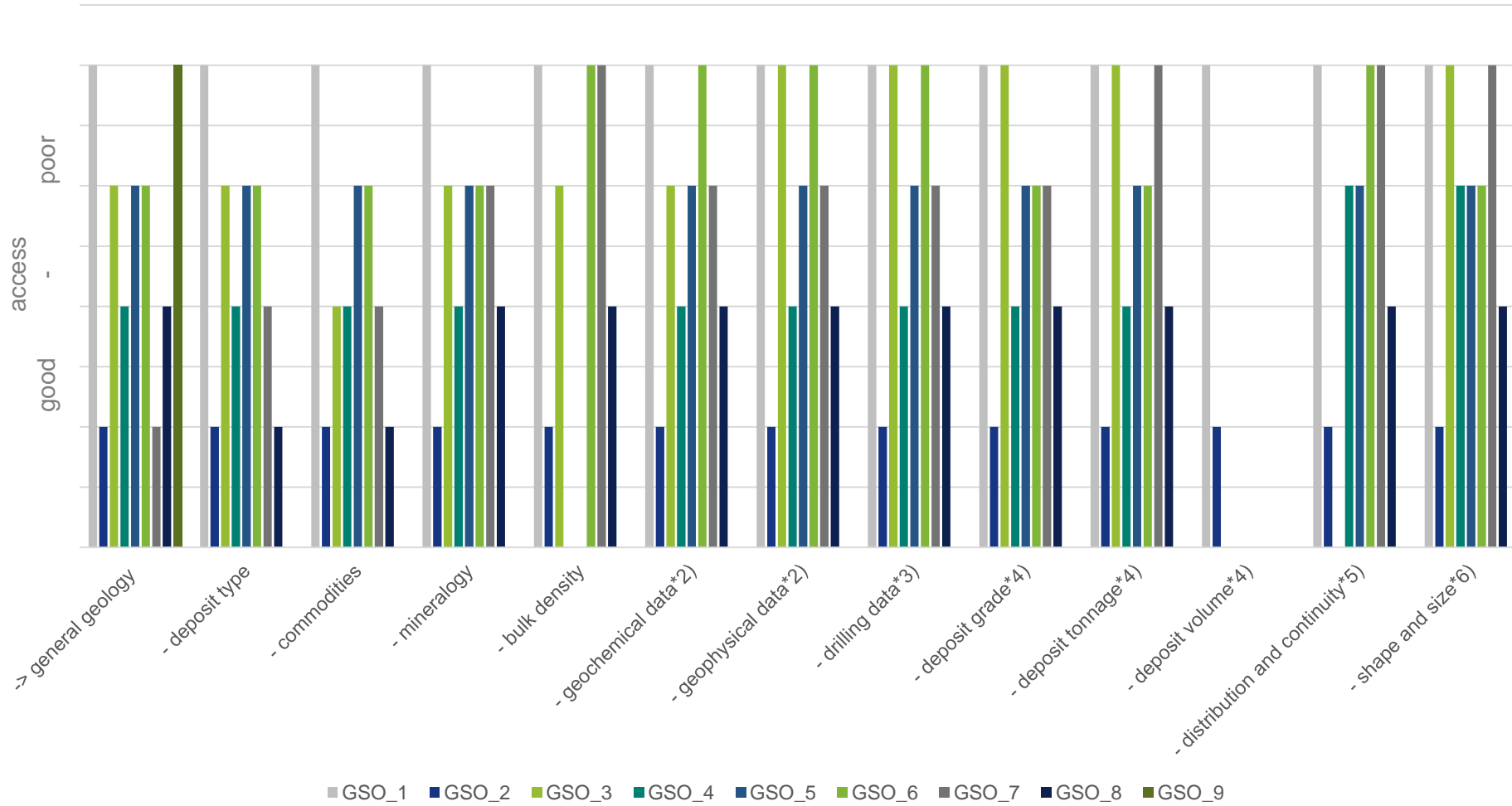
Reflection on the pre-course questionnaire



Reflection on the pre-course questionnaire



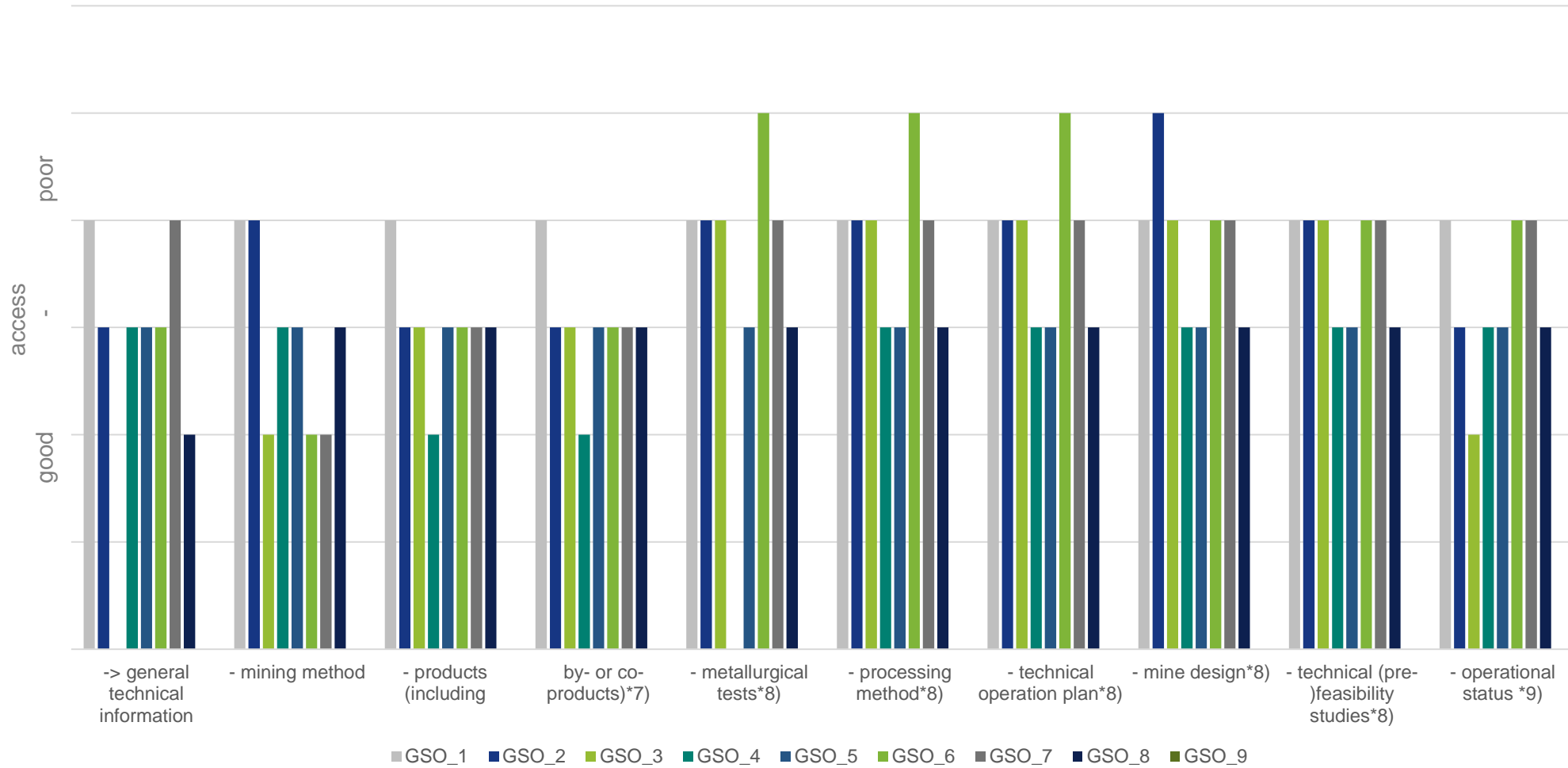
Data accessibility - general geology



Reflection on the pre-course questionnaire



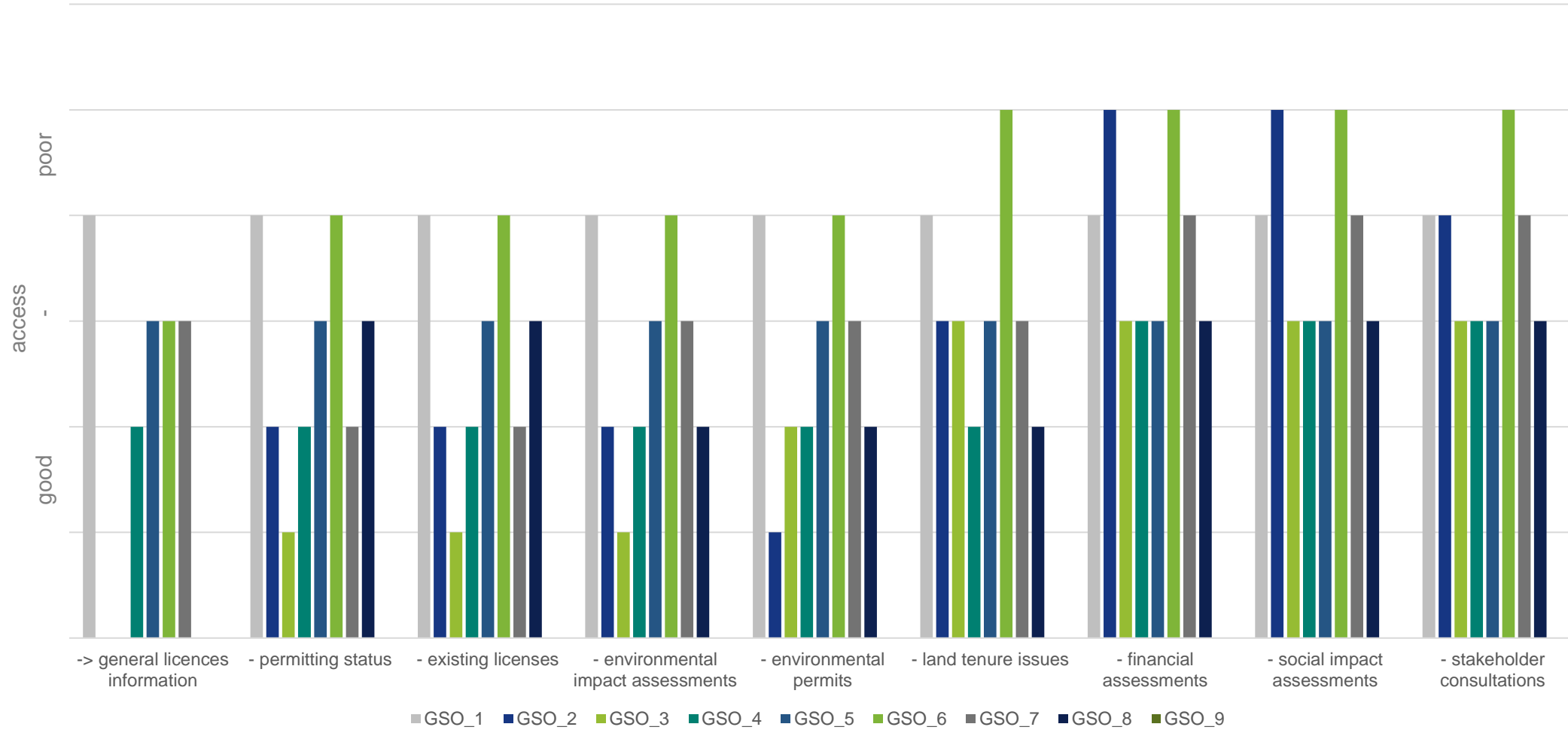
Data accessibility - general technical information



Reflection on the pre-course questionnaire



Data accessibility - general licences information



Reflection on the pre-course questionair



What's seems to be the most relevant hurdle to move forward to respond to the CRMA in the four key categories of its implementation.

	Lacking awareness	Lacking competence	Lacking mandate	Lacking data	Lacking capacity	Insufficient data quality capacity
- exploration			■	▨	▩	
- monitoring		▩	▩	■		▩
- reporting		▨	▨	▨	▨	▩
- EoL*1)	▨		▩	▨	▨	

Reflection on the pre-course questionair



How many underground mining projects for CRM at different stages are in your country?

CRM projects	Number of projects				Information on project developments collected		does your GSO get access to those		
	0/?	<5	5 to 10	>10	systematically	occasionally	yes	no	occasionally
- active (producing)		■			▨	■			■
- in development		▨			▨	■			■
- closing / care maintenance	■					■			■
- historical *1)	▨			■		■			■

How many open pit mining projects for CRM at different stages are in your country?

CRM projects	Number of projects				Information on project developments collected		does your GSO get access to those		
	0/?	<5	5 to 10	>10	systematically	occasionally	yes	no	occasionally
- active (producing)				▨	▨	■			■
- in development		▨				■			■
- closing / care maintenance	■					■			■
- historical *1)				▨		■			■



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Thank you for your attention

