



# GSEU

**GEOLOGICAL SERVICE | FOR EUROPE**

## **GSEU WP2 TRAIN-THE-TRAINER COURSE**

**Module: Other national reporting systems to UNFC**

**Level 1**

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# Resource classification in **Slovenia** and harmonization with **UNFC**



# Content

- Brief description of the national classification/reporting system
- Legislative framework
- Translation of national system to UNFC



# Brief description of the national mineral classification/reporting system

Brief history of the national mineral resource classification with relevant facts (e.g. Legislation)

National classification based on soviet one:

“Classification and categorisation of reserves and resources” is process for classifying mineral reserves and resources regarding viability and level of geological knowledge /net of exploration works.

1. Classification is ranking of mineral reserves on the basis of technical-economic circumstances of future mining, into following classes:

economic, potential economic and non-economic reserves;

2. Categorisation is ranking of mineral reserves (within classes) on the basis of level of geol. exploration of deposit and knowledge of quantity and quality of mineral commodity,

into following categories:

A, B, C<sub>1</sub> reserves and

C<sub>2</sub>, D<sub>1</sub> in D<sub>2</sub> for resources.



## Legislative framework (Some relevant legislative prescriptions to manage data and classify mineral resources)

- **All mineral commodities are in State ownership by the law,**
- **Ministry responsible for mining conducts licensing** with a strong support of **GeoZS experts,**
- **Public Mining Service** (within GeoZS) is authorized by the government in accordance with **Mining Act.**
- **“Commission for determining mineral reserves”** (under relevant Ministry) verify Elaborates on reserves and resources. Commission proposes to issue „Confirmation on mineral reserves“ by Ministry.
- Mineral reserves are classified and reported **only in mining/exploration permitted areas.**
- **“Confirmation on mineral reserves”** are issued exclusively for “economic reserves”.
- GeoZS experts participate in Commission; GeoZS prepare annually **“Statement of mineral reserves and resources”.**

### Relevant national legislation:

- Mining Act** (Official Gazette of the Republic of Slovenia, No. 14/14 – official consolidated version, 61/17 – BA and 54/22)
- Book of regulation of classification and categorization of solid minerals and their calculation (Official Gazette of the Republic of Slovenia, No. 3/20)
- Book of regulation of classification and categorization of hydrocarbons and their calculation (Official Gazette of the Republic of Slovenia, No. 3/20)
- National Mining/Mineral strategy (2018)



## Competences of national geological survey on mineral resources data

- **Primary raw materials data** are collected by **GeoZS** (via ministry),
- The national **Mining Act mandates concessionaires/** mineral operators to provide data annually,
- Annual **Reporting forms** (digital + analogue) are basis for annual concession fees,
  - volume of extracted mineral commodities (t/m<sup>3</sup>)
  - degraded area (ha)
  - reserves/resources remaining in situ (m<sup>3</sup>).
- Collected data are valuated and put into “**Mining Registry Book**” (web application) by GeoZS experts, contains:
  - ✓ current mining + exploration sites,
  - ✓ “expired” sites,
  - ✓ illegal and abandoned extraction sites,
  - ✓ historical mines.
- Public data are **free of charge**, in English and national language.



# Translation of national system to UNFC within “mining/exploration” permitted areas)

national categories	national classes	economic efficiency (CRIRSCO)	UNFC E <sub>axis</sub>	UNFC F <sub>axis</sub>	UNFC G <sub>axis</sub>	Explanation
economic reserves	A, B, C <sub>1</sub>	proved reserves	1	1	1, 2	Reserves A, B, C <sub>1</sub> , COULD BE EXPLOITED (in economic, environmental and social accepted way)
potentially economic reserves	A, B, C <sub>1</sub>		2	2,3	1, 2	Reserves A, B, C <sub>1</sub> , could be exploited IN NEAR FUTURE after some changes (in economic, environmental and social accepted way)
non-economic reserves	A, B, C <sub>1</sub>	measured resources	3	3	1, 2	Reserves that could NOT be exploited (due to economic, environmental, social or technical reason)
	C <sub>2</sub>	indicated resources	2	2	2	Prefeasibility Resources
	C <sub>2</sub>	indicated resources	3	2	2	Indicated Resources



# Relevant documents in national language:

- *»United nations framework classification for resources -update 2019«- Slovenian translation,*
- *“Introduction into methodology of UNFC classification and bridging document in Slovenia” (2024)*





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**Thank you for your attention**

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