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GSEU WP2 TRAIN-THE-TRAINER COURSE

Bridging methodology

Level 2

Duška Rokavec, GeoZS

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Bridging Methodology

- General Principles of Bridging
- Bridging the Czech National System to UNFC
- **Bridging the ABC System to UNFC**
- Bridging the Austrian National System to UNFC



Bridging methodology

Slovenian ABC to UNFC



Content

- ✓ **Brief description of the SI (ABC) mineral classification/reporting system**
- ✓ **Legislative background and documents on UNFC**
- ✓ **Competences of national geological survey on mineral resources data**
- ✓ **Translation of national ABC system to UNFC**



Brief description of Slovenian “ABC” mineral classification/reporting system

National classification is regulated by **Book of regulation of classification and categorization of solid minerals/CH** and their calculation

“**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, C₁ reserves and

C₂, D₁ in D₂ for resources.



Legislative background and documents on UNFC

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)

“UNFC” 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)**



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/m³)
 - degraded area (ha)
 - reserves/resources remaining in situ (m³).
- 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 _{axis}	UNFC F _{axis}	UNFC G _{axis}	Explanation
economic reserves	A, B, C ₁	proved reserves	1	1	1, 2	Reserves A, B, C ₁ , COULD BE EXPLOITED (in economic, environmental and social accepted way)
potentially economic reserves	A, B, C ₁		2	2,3	1, 2	Reserves A, B, C ₁ , could be exploited IN NEAR FUTURE after some changes (in economic, environmental and social accepted way)
non-economic reserves	A, B, C ₁	measured resources	3	3	1, 2	Reserves that could NOT be exploited (due to economic, environmental, social or technical reason)
	C ₂	indicated resources	2	2	2	Prefeasibility Resources
	C ₂	indicated resources	3	2	2	Indicated Resources



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Thank you for your attention

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