



GEOLOGICAL FOR SERVICE EUROPE

GSEU WP2 TRAIN-THE-TRAINER COURSE Bridging Methodology Level 2

Ljubljana, 14-15 May 2024







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www.geologicalservice.eu

13h45 – 14h45

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



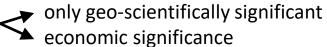


Austrian Standard G 1050 "Classification of Resources and Occurrences for Solid Mineral Raw Materials"

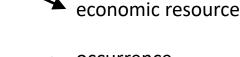
without potential of economic extraction in the foreseeable future

currently not economic but with a potential in the foreseeable future (sub-economic)

- geological certainty (estimates are tentative / preliminary / reliable)
- level of assessment
 - geological assessment



- mining-geological assessment
- mining assessment
- economic usability



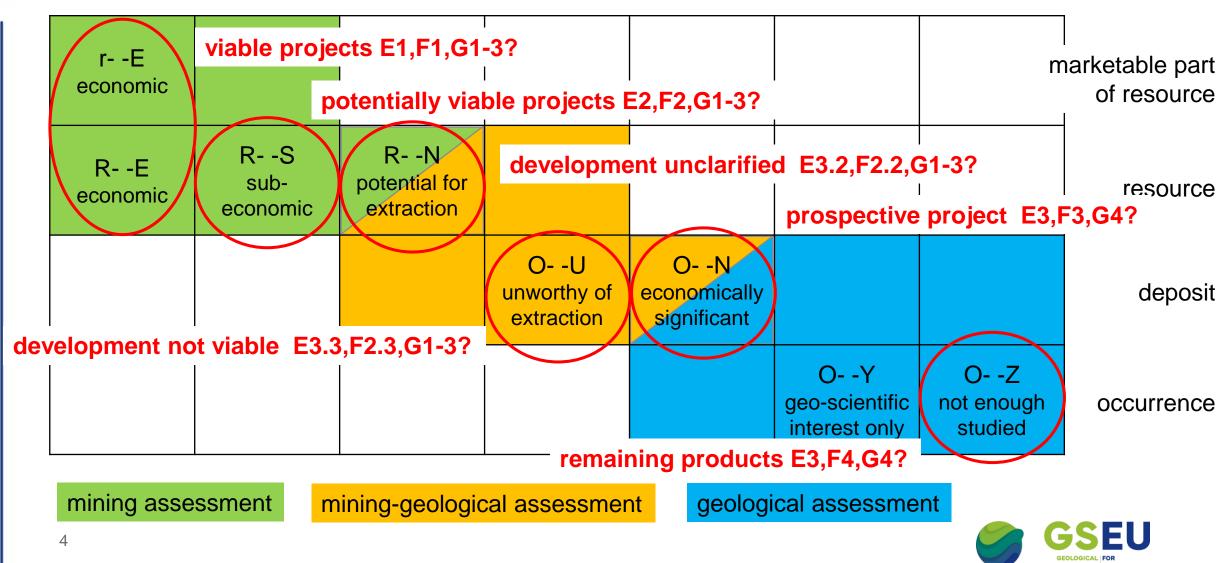
occurrence
resource including losses
marketable part of resource

potential of economic extraction



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BRIDGING THE AUSTRIAN NATIONAL SYSTEM TO UNFC



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BRIDGING THE AUSTRIAN NATIONAL SYSTEM TO UNFC

Austrian Standard G 1050 "Classification of Resources and Occurrences for Solid Mineral Raw Materials"

Classes of geological certainty

Class 1: reliable estimates: 1A certain (certainty 90% ± 20%) - 1B probable (90% ± 30%) - 1C indicated (90% ± 50%) (depending on data density)

low level of confidence, G3? Outcrops, trenches, shafts, adits or drillings

Class 2: preliminary stimates: assumed by analogy to neighboring, similar deposits

volumes estimated on the basis of regional geology and some outcrops; needs further exploration

Class 3: tentative stimates: existence and size of speculative nature

volumes estimated on the basis of geological extrapolation, geophysical or geochemical indications or statistical analogies

estimated on indirect evidence, G4?







Thank you for your attention!

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Classes of Assessment

mining assessment :	Class E: resource worthy of economic extraction Class S: sub-economic resource (potentially economic in the foreseeable future) Class N: resource not assessed studies include market analysis
mining geological assessment :	Class U: deposit unworthy of economic extraction (i.e. not a resource) Class N: deposit not assessed studies consider socio-economic factors and legal, technical and economic conditions
geological assessment:	Class Y: occurrence of purely geo-scientifically significance (i.e. not a deposit) Class Z: occurrence not sufficiently investigated studies investigate grades, depth, thickness



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• Classes of Economic Usability

resources:	Classes rE:	marketable part of economic resource
	Classes RE:	total economic resource including products unused or consumed in operations
	Classes RS:	sub-economic resource
	Classes RN:	resource without mining assessment

occurrences:	Classes OU:	deposit unworthy of economic extraction (i.e. not a resource)
	Classes ON:	deposit not assessed
	Classes OY, OZ:	natural mineralization





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Codification

