

**BASICS
PRINCIPLES**

**UNFC
BRIDGING**

**RESOURCE
ESTIMATION**

**HISTORIC
ESTIMATES**

100 €

100 €

100 €

100 €

200 €

200 €

200 €

200 €

300 €

300 €

300 €

300 €

BASIC PRINCIPLES - 100 € - Question:

On which 3 criteria is UNFC based?

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BASIC PRINCIPLES - 100 € - Question:

On which 3 criteria is UNFC based?

- Environmental-Socio-Economic Viability
- Technical Feasibility
- Degree of Confidence

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BASIC PRINCIPLES - 200 € - Question:

How is a Minerals Project defined?

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BASIC PRINCIPLES - 200 € - Question:

How is a Minerals Project defined?

A minerals project is a defined development or operation of material extraction / processing / recycling.

It provides the basis for environmental, social, economic, and technical evaluation and decision-making.

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BASIC PRINCIPLES - 300 € - Question:

Which are the possible E-, F- and G-classes for
(a) Potentially Viable Projects and
(b) Prospective Projects?

BASIC PRINCIPLES - 300 € - Question:

Which are the possible E-, F- and G-classes for (a) Potentially Viable Projects and (b) Prospective Projects?

- Potentially Viable Projects: E2, F2, G1-3
- Prospective Projects: E3, F3, G4

UNFC BRIDGING - 100 € - Question:

What is the purpose of a Bridging Document?

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UNFC BRIDGING - 100 € - Question:

What is the purpose of a Bridging Document?

The purpose of a Bridging Document is to explain “the relationship between UNFC and another classification system, including instructions on how to classify estimates.”

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UNFC BRIDGING - 200 € - Question:

Why do Modifying Factors need to be considered?

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UNFC BRIDGING - 200 € - Question:

Why do Modifying Factors need to be considered?

Modifying Factors must be considered when converting Resources to Reserves. They confirm whether a Resource has a reasonable prospect for eventual economic extraction.

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UNFC BRIDGING - 300 € - Question:

How can aggregated total Mineral Resources and Reserves be mapped to UNFC?

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UNFC BRIDGING - 300 € - Question:

How can aggregated total Mineral Resources and Reserves be mapped to UNFC?

Only the estimates for Mineral Resources reported exclusive of Mineral Reserves can be assigned to UNFC codes.

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RESOURCE ESTIMATION - 100 € - Question:

What is a *Mineral Resource* and
what is the difference to a *Mineral Reserve*?

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RESOURCE ESTIMATION - 100 € - Question:

What is a *Mineral Resource* and what is the difference to a *Mineral Reserve*?

- A **Mineral Resource** is a concentration or occurrence of solid material of economic interest with a **reasonable prospect for eventual economic extraction (RPEEE)**.
- A **Mineral Reserve** is the **economically mineable part** of a Mineral Resource.

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RESOURCE ESTIMATION - 200 € - Question:

What information can be used to classify the level of confidence in a resource estimate?
(Name at least 3!)

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RESOURCE ESTIMATION - 200 € - Question:

What information can be used to classify the level of confidence in a resource estimate?

- Drilling and sampling density
- Quality of sampling (sample representativeness) and assay results
- Confidence in the geological/structural controls on mineralization (geological continuity)
- Grade continuity

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RESOURCE ESTIMATION - 300 € - Question:

What are reasons for incorrect resource estimates?
(Name at least 4!)

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RESOURCE ESTIMATION - 300 € - Question:

What are reasons for incorrect resource estimates?

- poor sampling and assay quality data (sample bias)
- a lack of detailed mine geology and fundamental understanding of the deposit (errors in continuity and geometry of a deposit)
- poor interpretation of grade distribution characteristics
- poor understanding and application of computer-assisted estimation techniques
- The failure to recognize effects of selectivity and the change of support or volume-variance effect
- Bulk density (the all-too-common assumptions that bulk density of mineralization is constant throughout a deposit)
- Human error (mis-plotting of data, misplaced decimals, etc.)
- Fraud (salting, substitution of samples, non-representative data, etc.)

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HISTORIC ESTIMATES - 100 € - Question:

Which UNFC project classes are relevant to historic estimates?

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HISTORIC ESTIMATES - 100 € - Question:

Which UNFC project classes are relevant to historic estimates?

- Non-viable projects
- Remaining products not developed
- Prospective projects

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HISTORIC ESTIMATES - 200 € - Question:

What needs to be added to lift a historic or abandoned project to a potentially viable project?

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HISTORIC ESTIMATES - 200 € - Question:

What needs to be added to lift a historic or abandoned project to a potentially viable project??

- direct evidence of ownership or engagement of a commercial operator
- plans for technical feasibility of development
- planned activities such as exploration, sampling, economic feasibility studies using modern technology, QA/QC protocols and current commodity prices

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HISTORIC ESTIMATES - 300 € - Question:

What is the difference between
a project where the development is unclarified and
a project where the development is not viable?

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HISTORIC ESTIMATES - 300 € - Question:

What is the difference between a project where the development is unclarified and a project where the development is not viable?

- development unclarified is used for active projects where an ownership change or other event has put the future of the development of the project into question.
E3.2; F2.2; G1-3
- development not viable is used for non-active projects
E3.3; F2.3; G1-3

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