Au 97

10th International Gold Symposium

Panel

Evaluation of Mining Properties:Searching for Criteria and Standards

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Searching for Criteria and Standards

Panel Participants

- ◆ Eduardo Vale Director, Bamburra Ltda. (chair)
- ◆ G. R. Appleyard -Principal, Australian Mining Consultants
- → Hans Von Michaelis President, Randol International Ltd.
- → Raymond Jannas Vice President, Metallica Resources Ltd.
- ◆ Stephen Fabian Director, Black Swan Gold Mines Ltd.

Critical Vectors of Concern

- ❖ Geological Assurance
- Engineering Conception

Economics / Financial Modelling

Geological Assurance:

Assumptions and Procedures

- Demonstrated Resources
- Delineated Reserves
- Mineralization Profile
- Continuity of Mineralized Zones
- Method of Sampling
- Density of Sampling
- Assay Methods
- Quality Control and Procedures Adopted

Engineering Conception:

Premises, Parameters and Variables

- > Ore Tonnage
- Stripping Ratio
- Cut-Off Grade Policy
- > Minimum Width
- > Sequence of Mining
- Mining Method
- Mining Dilution
- > Specific Gravity Factor
- > Head Grade
- Mining Recovery

Engineering Conception: Premises, Parameters and Variables

- > Scale
- > Schedule
- > Environmental Costs
- > Mining Dilution
- > Specific Gravity Factor
- > Mining Recovery

Engineering Conception: Premises, Parameters and Variables

- Processing Method
- > Processing Recovery
- > Capital Costs
- > Operational Costs

Economics and Financial Modeling:

Premises, Variables, Expectancies

- > Market
- > Price
- > Financial Engineering
- > Risk Treatment
- > Taxation
- > Processing Recovery
- > Capital Costs
- > Operational Costs

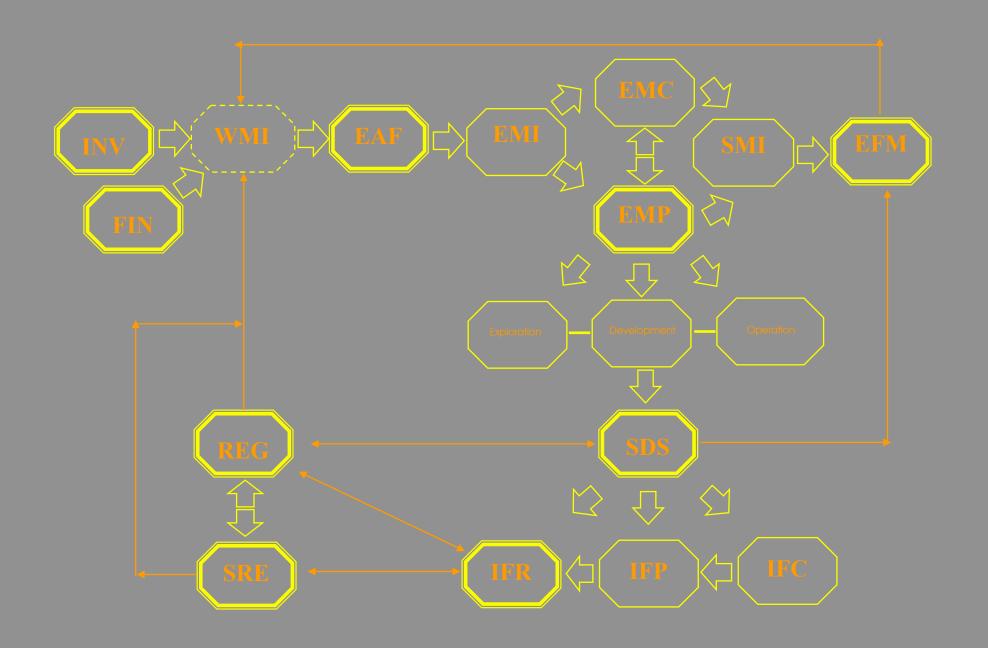
- ➤ Which dimension geological assurance, engineering conception, economic / financial modeling is the most fundamental one?
- > Which parameters and variables are critical at each stage level?
- ➤ Which attribute (s) qualify a criteria as pertaining to the mining industry array of best practices?

- > Are there some procedures, techniques and/or methodologies accepted as standards?
- Considering the diversity of opportunities and the subjectivity that permeates an expressive part of the decision process, does it make sense talk about benchmarking?

- ➤ Which institutions should conduct this assignment in national boundaries?
- > Are international reporting standards desirable?
- > If so, who is the utmost beneficiary?

- > Are international reporting standards feasible?
- > If so, in what extension or segments?
- ➤ What about the backward effects onto data gathering and data processing stages?

Relevance of Establishing Standards



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