

Workshop H

GUIDELINES FOR THE DEVELOPMENT AND APPLICATION OF ENGINEERING GEOLOGICAL MODELS ON MINING PROJECTS

Instructors: Mark Eggers and Felicia Weir

Language: English

Brief Description:

An Engineering Geological Model (EGM) is a comprehensive knowledge framework that supports the interpretation and assessment of the engineering geological conditions and allows the interaction of these conditions with the proposed project to be evaluated, so that appropriate engineering decisions can be made throughout the life cycle of the project from inception to decommissioning.

In adopting this definition, the intention is to move beyond the concept that a 'model' is a simplified and static three-dimensional representation of the ground conditions and recognise that the formation and development of the EGM is an on-going process of knowledge accumulation that provides direction and control to the ground engineering throughout a project

The Guidelines have been developed by members of the IAEG C25 – Commission for the Use of Engineering Geological Models to provide guidance to practitioners on the 'EGM approach', including 3D digital modelling techniques, and to inform consultants, clients, owners, government bodies and regulators about the use of Engineering Geological Models on projects.

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