

**Geological modelling for site characterization using
sufficient and insufficient subsurface exploration data:
lesson learned from case histories**

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Where good quality data have been obtained from careful supervision of subsurface exploration program, it is essential that the exact geological conditions be carefully analyzed. Without this it is impossible to check the design assumptions or to apply the results to a similar situation elsewhere.

This paper presents the use of geological modelling for civil engineering projects. The modelling is useful for any layman involved in engineering to understand the geological conditions, thus hinder all the surprises during the construction stage. It also useful for understanding geological and

deposition process for prediction of the history of the ground. However, modelling must be made precisely. Insufficient data must not be treated as sufficient.