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# **DECONSTRUCTING ENGINEERING GEOLOGICAL MODELS**

*For continuous improvement in a changing world*

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The use of engineering geological models to manage risks and facilitate project success is becoming increasingly common, but the rules for creating effective models are as yet unclear. Projects are now challenged by possible changes to natural process rates and certain changes to anthropogenic process rates and so there is an increasing need to elucidate those rules - so that the models we use can be continuously improved. By deconstructing a variety of geological models ranging from the supremely simplistic to the awesomely complex it is possible to establish some of the basic rules and the internal architecture of effective engineering geological models. By establishing these rules and expressing them logically they can be encoded, utilised and applied efficiently on all sorts of projects, hopefully to increase our chances of project success.