

## Ceramah Teknik (Technical Talk)

### ASSESSING RAPID GEOLOGICAL CHANGE USING THE GEOINDICATOR APPROACH

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**Summary:** The geoinicator concept developed recently by the International Union of Geological Sciences is proving to be a useful tool in assessing the condition of ecosystems, whether in protected areas, around mining sites, or in State-of-the-Environment reporting ([www.geoinicator.org](http://www.geoinicator.org)). Geoindicators are geological parameters that can change significantly on the time scale of a century or less. Examples include karst and frozen ground activity, relative sea level and shoreline position, landslides and avalanches, dune movement, groundwater and soil quality, and stream channel morphology. In this lecture, examples were drawn from a wide range of environmental settings of geoindicators, showing how they can be tracked and why this is important to environmental management.

