Workshop E
Slope monitoring and integrated data analytics

Sunday, October 25th, 2026
Instructor: Paolo Farina and Geoapp team
Hour: 08:00 -12:00
Language: English (Spanish translation)

Description:

The increasing size and depth of open pits and the increasing regulatory constraints imposed on mining operations, means that planning and implementation of the slope monitoring strategy, including data analysis and interpretation, must now form an integral part of the mining cycle.

The workshop is aimed at:

- Providing an overview of some of the key aspects in the analysis and interpretation of the most important monitoring datasets, including surface and subsurface data at mine sites.
- Focus on the way data are routinely analyzed to identify changes potentially indicating approaching failure conditions on the slope.
- Presenting a workflow for the use of monitoring data to understand the underlying failure mechanism.
- Integrating monitoring data with structural data to get a better a better data interpretation.
- Presenting case studies where monitoring data have been integrated with numerical modelling to calibrate and validate the outcomes of modelling.