

R&D Project - GMES4Mining

Customer:

Research project supported with funds from the EU and North Rhine-Westphalia.



EUROPÄISCHE UNION
Investition in unsere Zukunft
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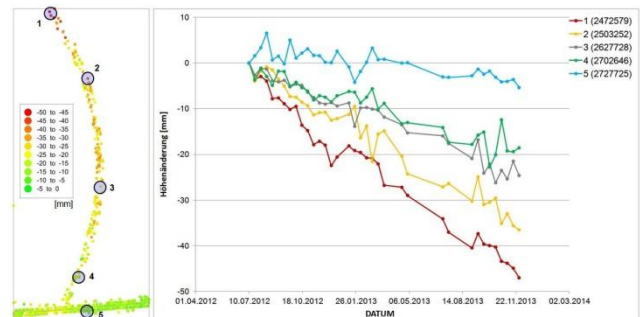
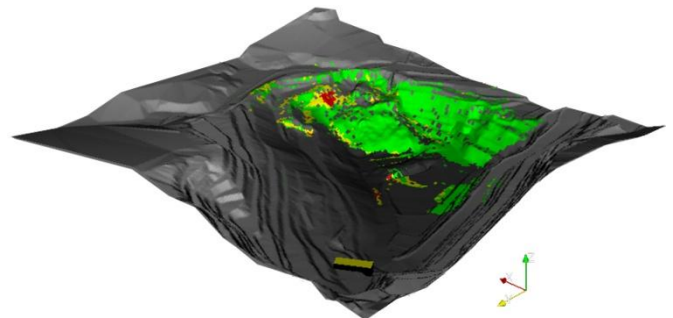
Job description:

An interdisciplinary R&D consortium of companies and universities develop GMES*-based geoservices to support exploration and production in mining. Innovative ways of earth observation in particular based on multispectral and radar data with high temporal and spatial resolution are studied and developed. Together with two German industrial partners the analyzed methods are bundled into integrated geoservices for mining projects and optimized in practical tests for the specific requirements of mining.

Services:

- Examination of terrestrial and satellite radar interferometry for detection of ground movements in close cooperation with all project partners
- Implementation of long-term measurements to monitor the stability of open pit slopes with DMT's own radar interferometer
- Extensive analysis of surface subsidence by measurements with TerraSAR-X radar data and PSI data processing
- Geological field campaign measurements for verification of remote sensing data in an exploration area in Australia, integration of multispectral data from an aerial survey

*GMES: EU initiative for Global Monitoring for Environment and Security



Application of terrestrial and satellite radar interferometry in mining

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