

Ai.DA

An intelligent support to radar data interpretation.



AI support in the early identification of slope instabilities.
Leveraging Artificial Intelligence in radar data processing.

IDS GeoRadar: Innovative Interferometric Radar for Mining, Environmental and
Civil Engineering Applications
www.idsgeoradar.com

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Ai.DA - ARTIFICIAL INTELLIGENCE for DATA ANALYSIS

Ai.DA is an **Artificial Intelligence** based software monitoring tool for Guardian providing an **intelligent support** to radar data interpretation. Developed by industry geotechnical experts in over 3 years of training on true monitoring data sets, Ai.DA pioneers the introduction of Artificial Intelligence in **slope stability monitoring**, leveraging this cutting-edge technology to provide support to professionals in **radar data interpretation**.

Through the use of Artificial Intelligence, Ai.DA **highlights** in **real-time quick moving areas**, which are often difficult to manage, for an **early identification** of **localized slope instabilities**.

Ai.DA MAIN FEATURES

- Offers an additional smart processing layer to radar data
- Real-time processing performing simultaneously on multiple radar data
- Simplifies the identification of movements from possible residual noise by evaluating the consistency of pixel trends with typical slope instability behaviors
- Highlights localized and quick moving areas for better decision-making
- Clear and detailed visualization of critical areas on a 3D interactive map.

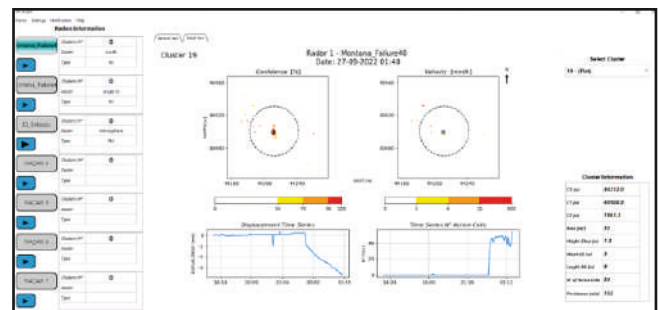


3D view, cluster alerts and tailored user interface for the simultaneous management of multiple radars (up to 6 radars).

Ai.DA BENEFITS

Ai.DA offers state-of-the-art technology to improve risk management strategies in slope stability monitoring providing:

- An intelligent tool helping to optimize decision making processes
- A smart insight on radar data processing leveraging Artificial Intelligence
- Easy identification of localized events and quick moving areas
- Full integration with Guardian



Detailed Cluster view, with displacement time series of each cluster.

IDS GeoRadar Srl

Via Augusto Righi 6, 6A, 8, 56121 Pisa (PI) Italy
Tel. +39 050 098 9300
salesdept@idsgeoradar.com
www.idsgeoradar.com