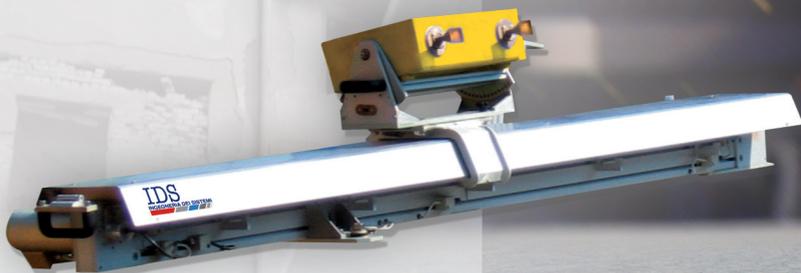


IBIS-L: Preventing Natural and Man Made Disasters Utilizing Microwave Interferometry

IBIS-L

**An innovative sensor for remote monitoring
of terrain, snowfields and structural movements**



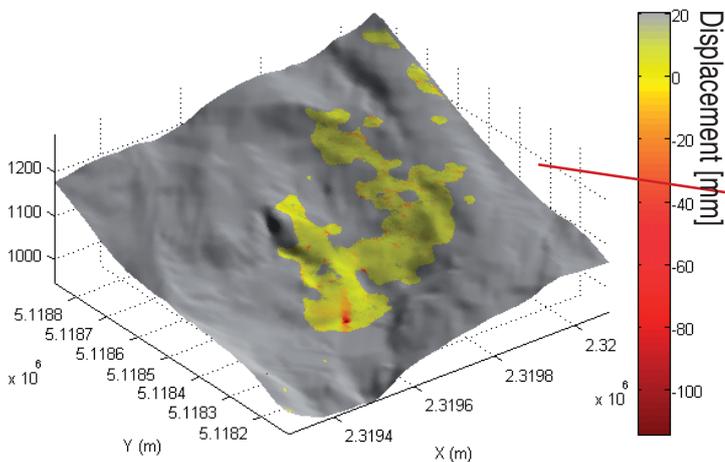
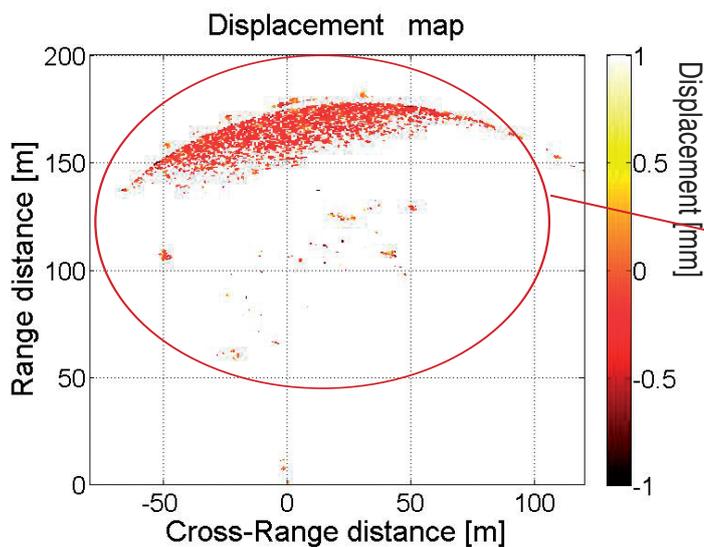
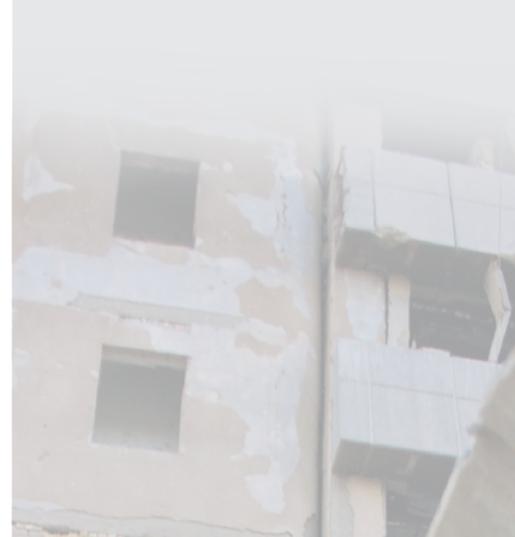
Monitoring applications:

Terrain and environmental

- Landslides and slopes
- Terrain subsidence
- Glaciers and avalanches
- Volcanoes

Structural movement

- Dams
- Buildings
- Cultural heritage



Map of landslide displacement

Advantages Over Traditional Techniques:

- Remote sensing up to 4 km.
- Displacement accuracy up to 1/10 mm.
- Real-time two-dimensional mapping of simultaneous displacements over large areas (several km²)
- Sampling movements every 5 minutes
- Autonomous operation
- Day-Night, all weather operation



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