









Techniques behind GBInSAR systems

GBInSAR sensors are based on three well-known radar techniques:

- 1. Stepped-Frequency Continuous Wave (SF-CW) technique resolves the scenario in the range direction, detecting the position in range of different targets placed along the radar's line of sight;
- Synthetic Aperture Radar (SAR) allows to obtain 2D high-resolution radar images by adding to the range resolution (fro the SF-CW), the cross-range angular resolution
- Interferometric technique, computes the displacement of each pixels by comparing the phase information of the radr signal collected at different times.

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Kinematics of the Slumgullion Landslide Revealed by Ground based InSAR Surveys









































