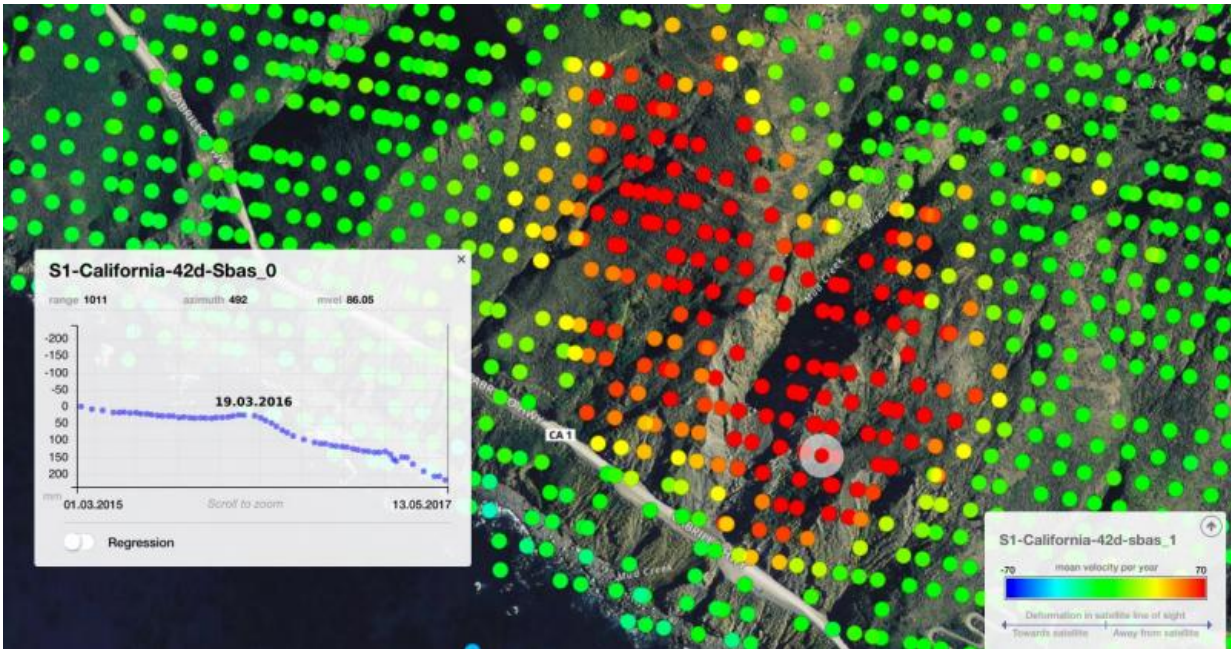


# Image: Landslide on the radar

June 14 2017



Credit: contains modified Copernicus Sentinel data (2015–17), processed by Norut

On 20 May, over a million tonnes of dirt and rock buried part of California's Highway 1 along the Pacific coastline in the state's Big Sur region. In addition to cutting off the route, the landslide added some 5 hectares of land to the shoreline.

Sentinel-1's radar shows that the ground that slid down the mountain was moving in the two years before the [landslide](#).

The [radar data](#) were processed using Small Baseline Subset interferometry (SBAS), a technique that can detect and monitor movements over wide areas with high sensitivity. In this image, red dots represent points where the ground was moving away from the satellite at a rate of more than 70 mm per year. Green dots show stable ground in the surrounding area.

Provided by European Space Agency

Citation: Image: Landslide on the radar (2017, June 14) retrieved 26 June 2024 from <https://phys.org/news/2017-06-image-landslide-radar.html>

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