Landslide Susceptibility and Hazard Mapping service

The LSHM service developed by Geoapp estimates how likely landslides are to occur in a specific area by analyzing geological, environmental, and climatic conditions. It uses satellite data from Sentinel-1 and Sentinel-2, along with user-provided information and machine learning, to identify areas at risk and evaluate potential hazards by integrating observed ground displacement.

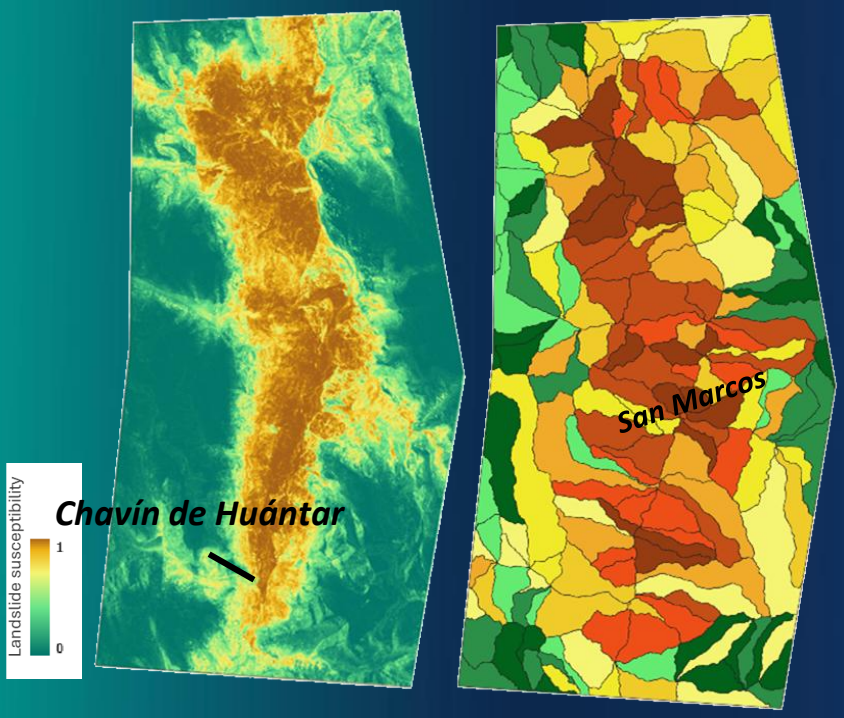
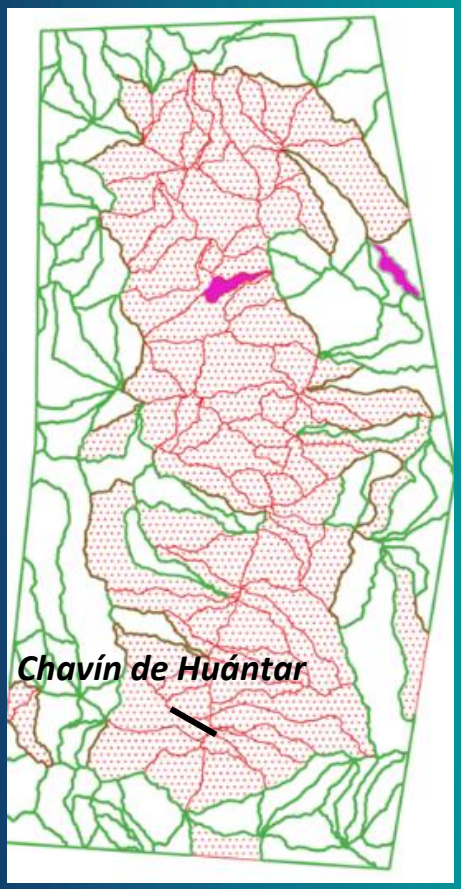
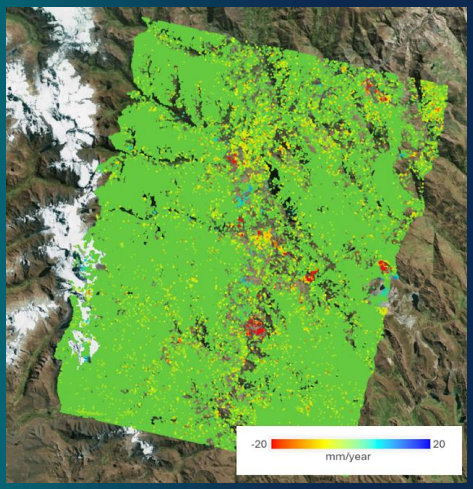


Figure 1 – Landslide Susceptibility map (pixel-based and slope-based)



Credits: Contains original raster and vector data produced by Geoapp for landslide susceptibility and potential analysis, based on user-provided information and global data layers.

Figure 2 – Potential Hazard Map



Credits: contains modified Copernicus Sentinel-1 mission data (2021-2024), processed by AUTh with the GEP platform.

Figure 3 – InSAR displacement data

Find more about the Landslide Susceptibility and Hazard Mapping service of the CopernicusLAC Platform at:
https://docs.copernicuslac.terradue.com