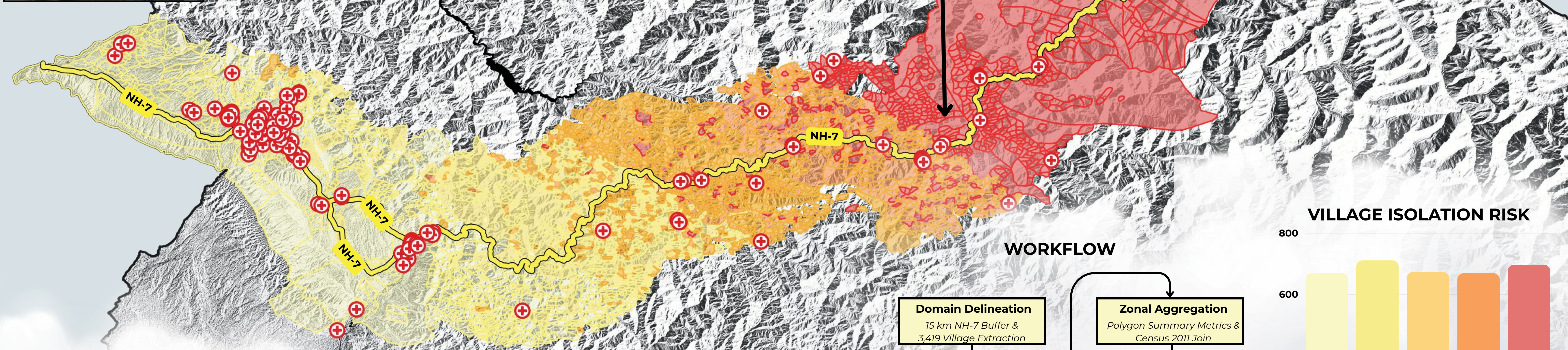
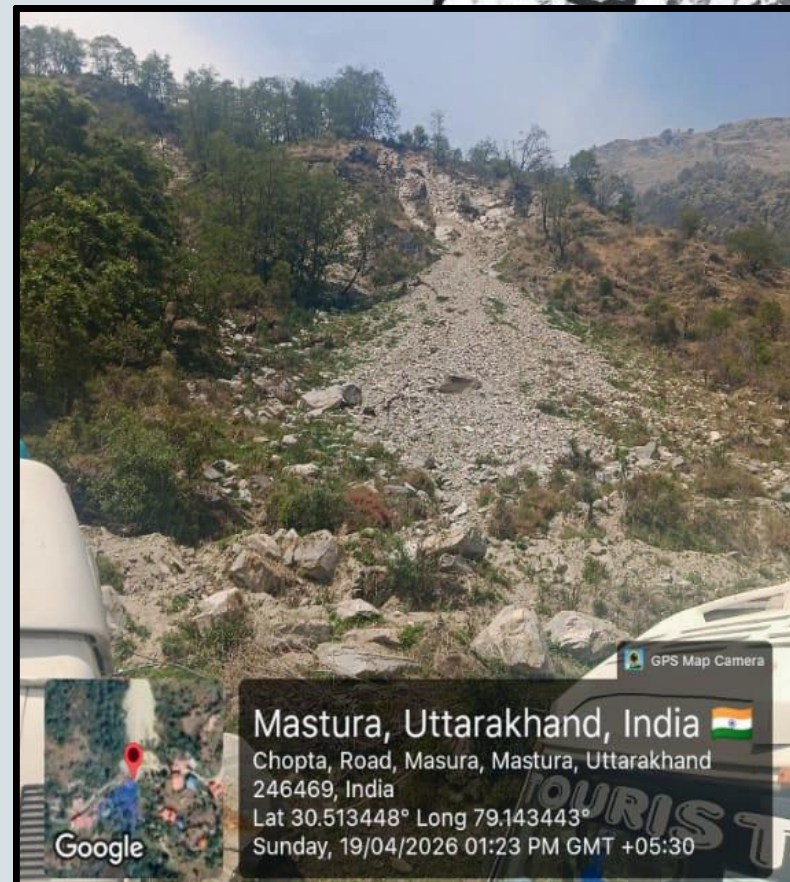
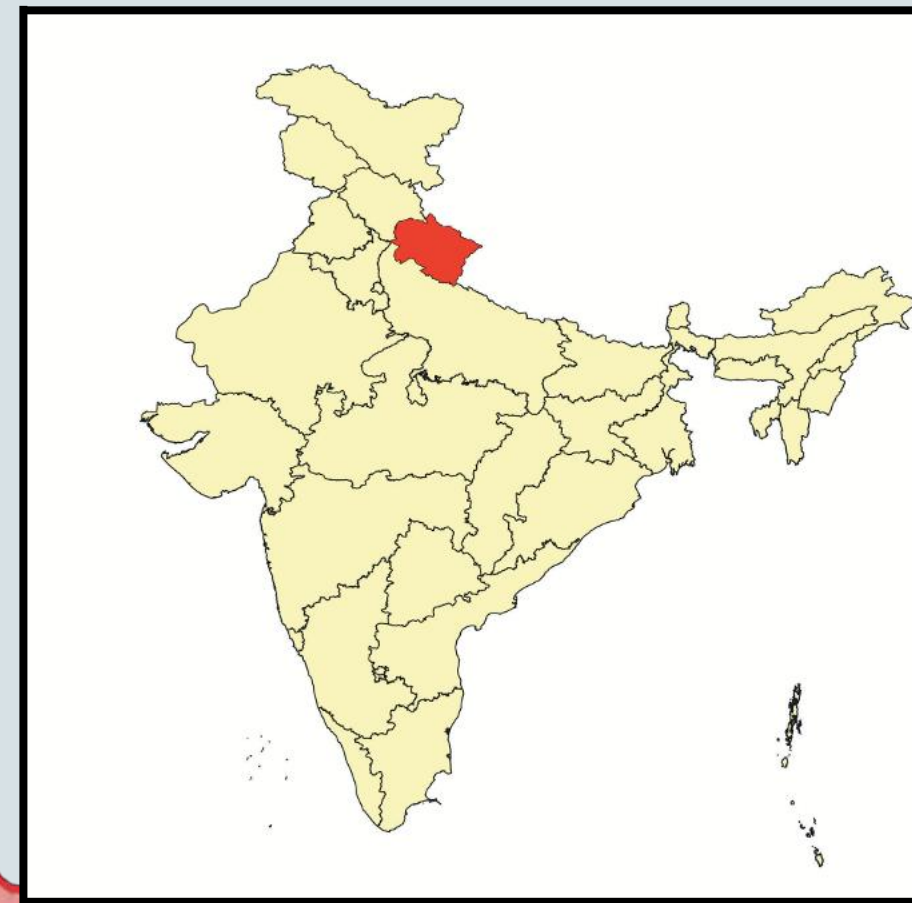




Community Isolation Risk along the NH-7 Himalayan Corridor

A Spatial Assessment of Village Accessibility Exposure associated with the NH-7 Transport Corridor

STUDY AREA



VILLAGE ISOLATION RISK:

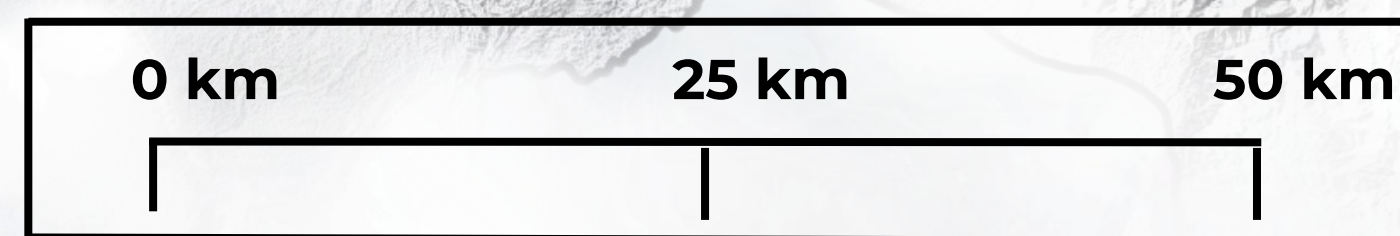
- Low
- Moderate
- Elevated
- High
- Very High

ROAD NETWORK:

NH-7 Main Highway

HEALTHCARE ACCESS:

Healthcare Facilities



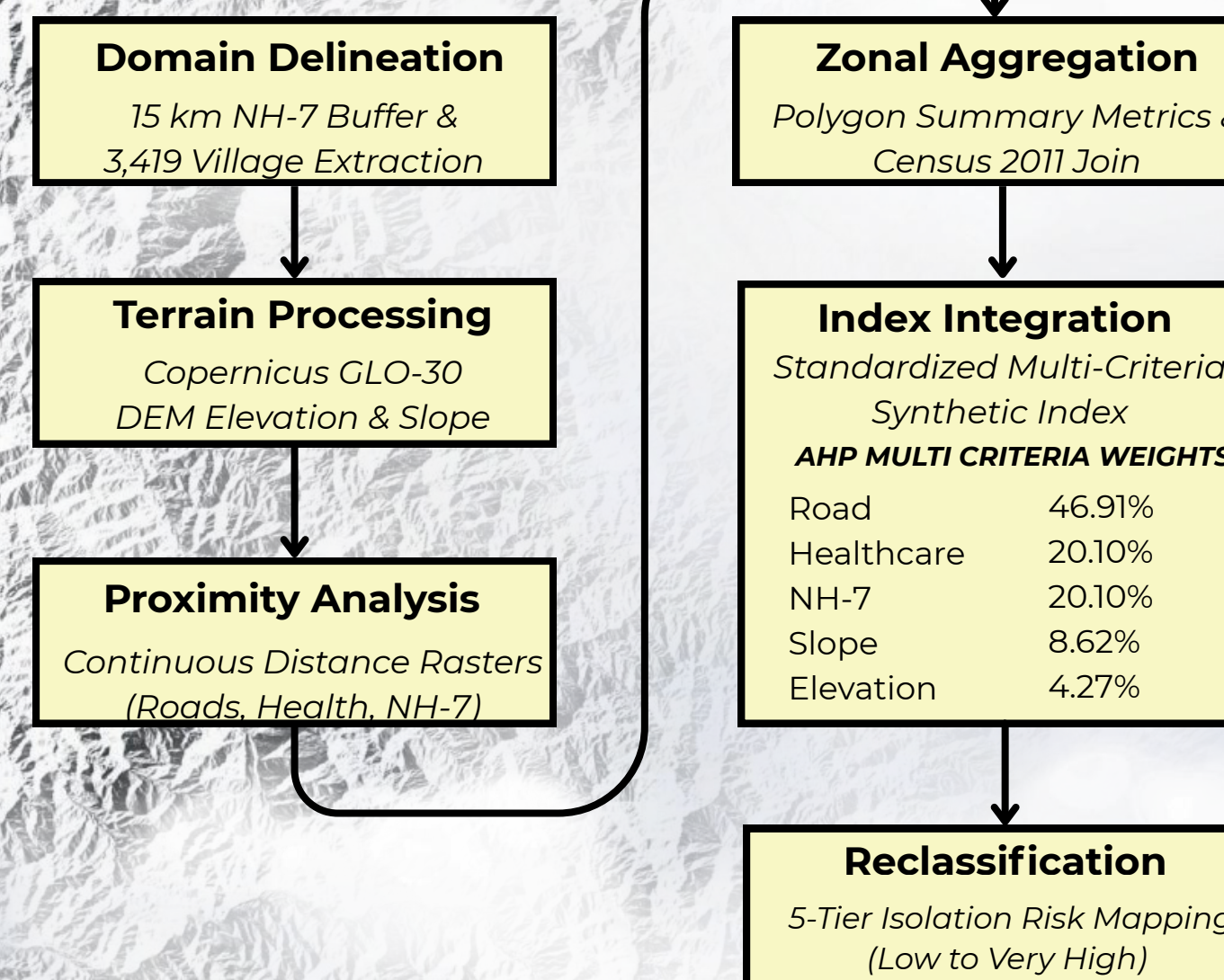
DATA SOURCES

Village Boundaries & Demographics: Census of India, 2011
Road Network & Healthcare Facilities: © OpenStreetMap contributors
Elevation & Terrain: Copernicus DEM GLO-30, ESA

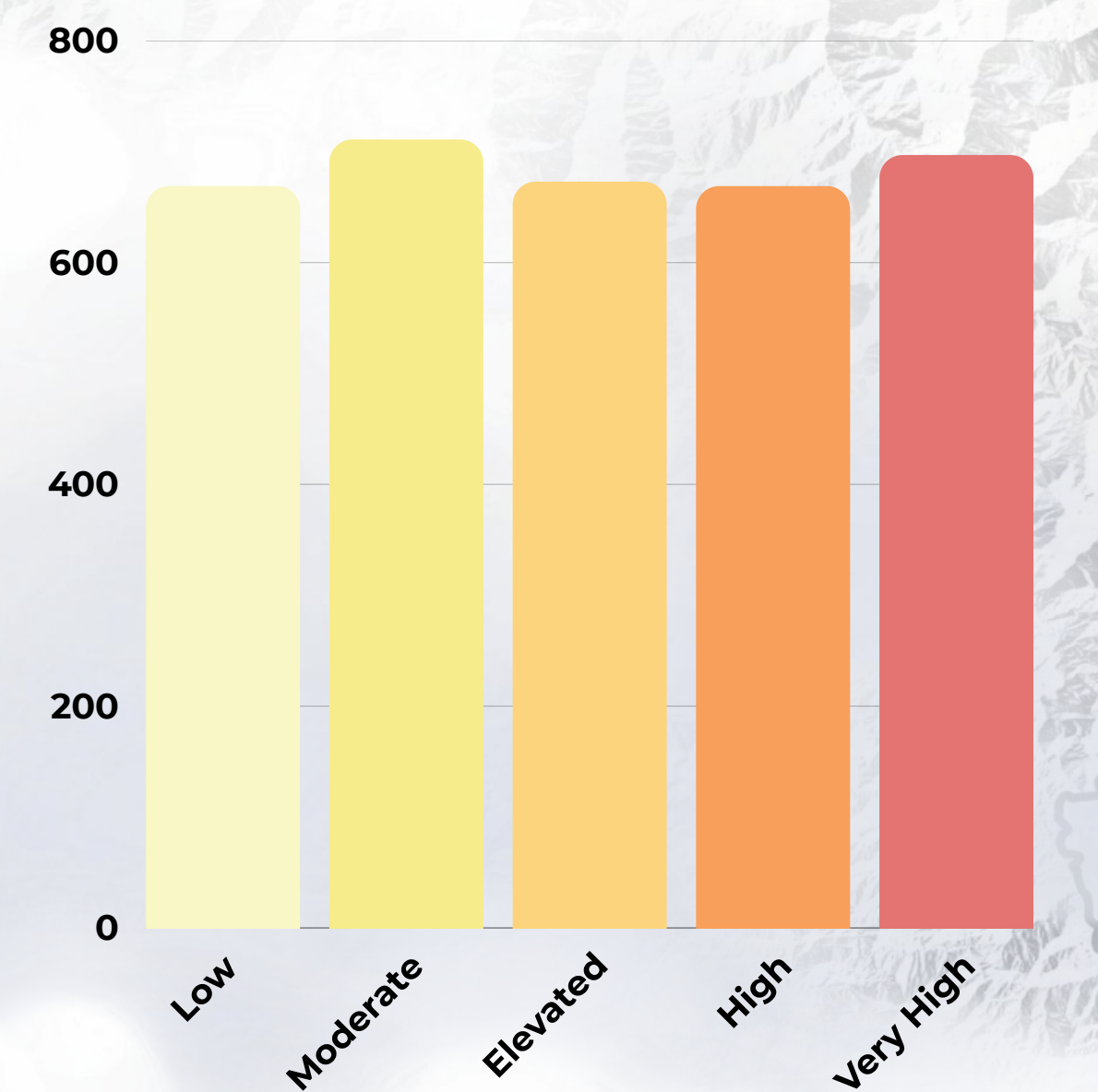
TOOLS USED



WORKFLOW



VILLAGE ISOLATION RISK



Village distribution across five community isolation risk classes.

This map assesses relative community isolation among villages along the NH-7 Himalayan corridor in Uttarakhand. A 15 km corridor buffer was analysed using road accessibility, healthcare proximity, NH-7 proximity, slope and elevation. An AHP-weighted multi-criteria index was developed to classify 3,419 villages into five relative isolation levels, from Low to Very High.