



NEPAL
Volunteer Community Surveyor Program



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An initiative of UN-Habitat GLTN and FIG Young Surveyors Network

- In July Volunteer Community Surveyor Program (VCSP) Launched
- Volunteer program for young surveyors, with the intention of giving young surveyors the opportunity to volunteer time & skills in overseas projects
- Joint initiative between UN Habitat Global Land Tool Network (GLTN) and FIG Young Surveyors Network

UN HABITAT
FOR A BETTER URBAN FUTURE

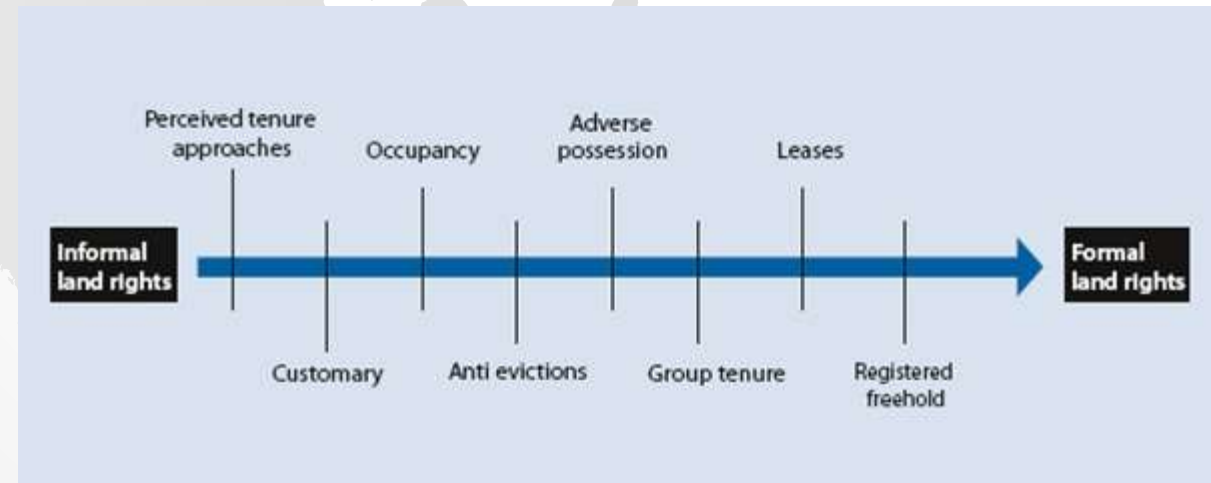


GLTN
GLOBAL LAND TOOL NETWORK



Social Tenure Domain Model

- Was developed by GLTN as a tool to support UN Habitat's Global Campaign for Secure Tenure
- STDM is a plugin for QGIS, which is open source GIS software
- It facilitates the continuum of land rights concept
- Encourages gender responsiveness, participatory approaches and is a low cost easy to use system



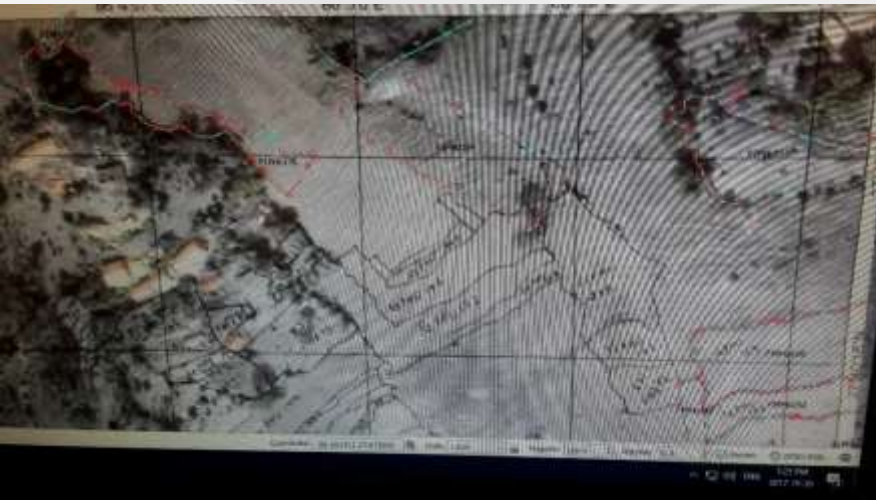
Support for Land Reform in Nepal

- GLTN/UN Habitat and Kadaster Int. piloting a project in Nepal
- Aim is to better facilitate the recovery effort following the 2015 earthquakes
- Trial on small scale, three sites chosen in Dolakha District
- Sites chosen based on issues identified in recovery strategies;
 - Titles for reconstruction grant
 - Geotechnical assessment for re-location
 - Integrated planning for redevelopment

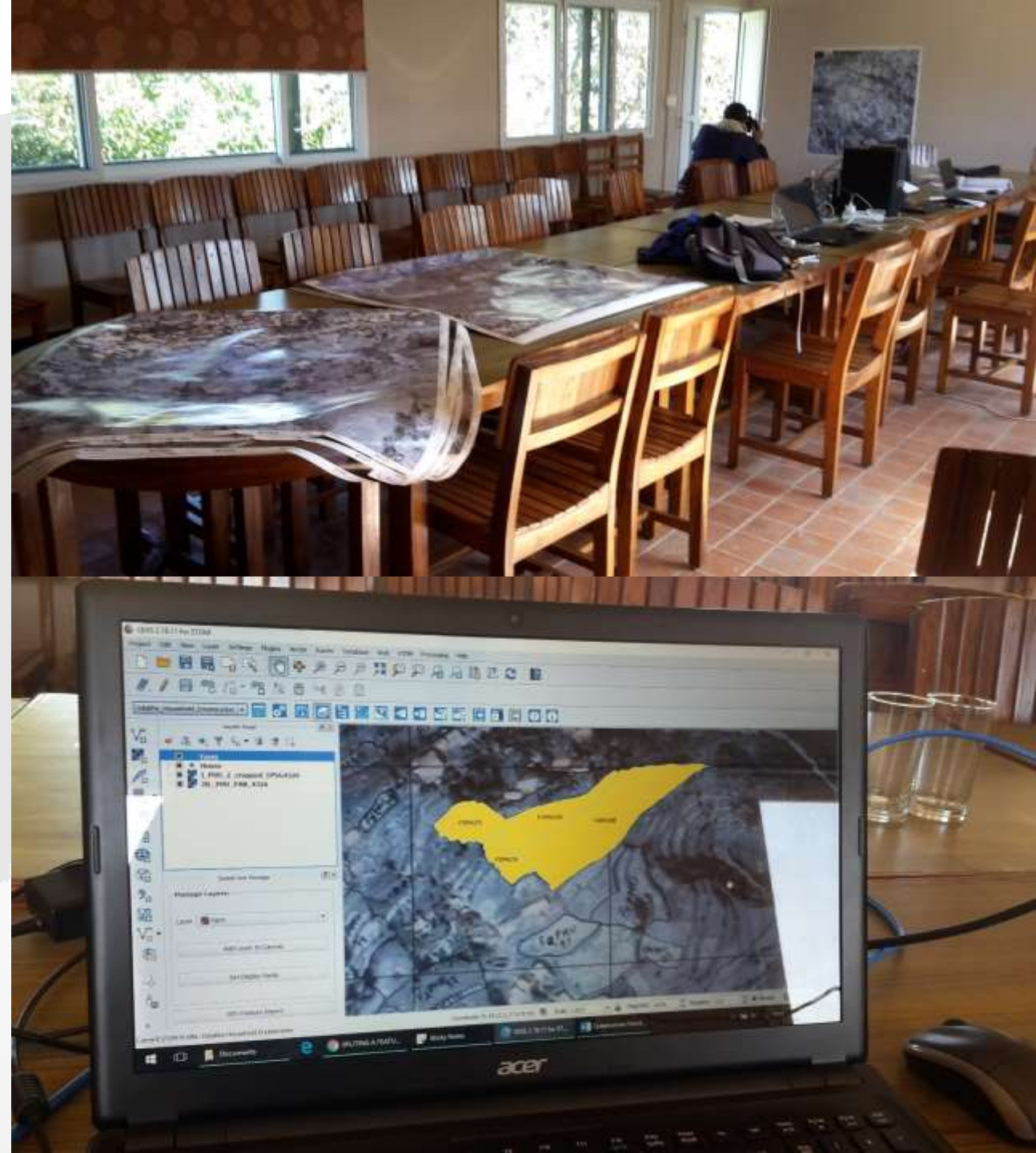


The Project

- Local partnership with HURADEC
- Data collected by local employees, using household questionnaires and handheld GPS devices
- Parcel boundaries collected by participatory ‘visual boundary marking’ approach on satellite images
- Community agrees on boundary location and ownership



- All information entered into the GIS
- My role in the project
 - Data validation
 - Checking for errors in data entry
 - Checking that respondent belongs household
 - Multiple households assigned to same GPS point, indicating multiple families per shelter
 - Georeferencing
 - Digitising
- People to Land relationship defined
- Analysis and outputs to authorities for reconstruction and policy
- Possibility for STDM in cadastral survey offices
- Results, integrated planning



Other Opportunities

- Land pooling and re-adjustment project in local village, survey work required
- Research work on *automatic feature extraction using remote sensing for cadastral mapping*
- Paper on comparison of paper-based vs digital data collection methods for cadastral parcel mapping



