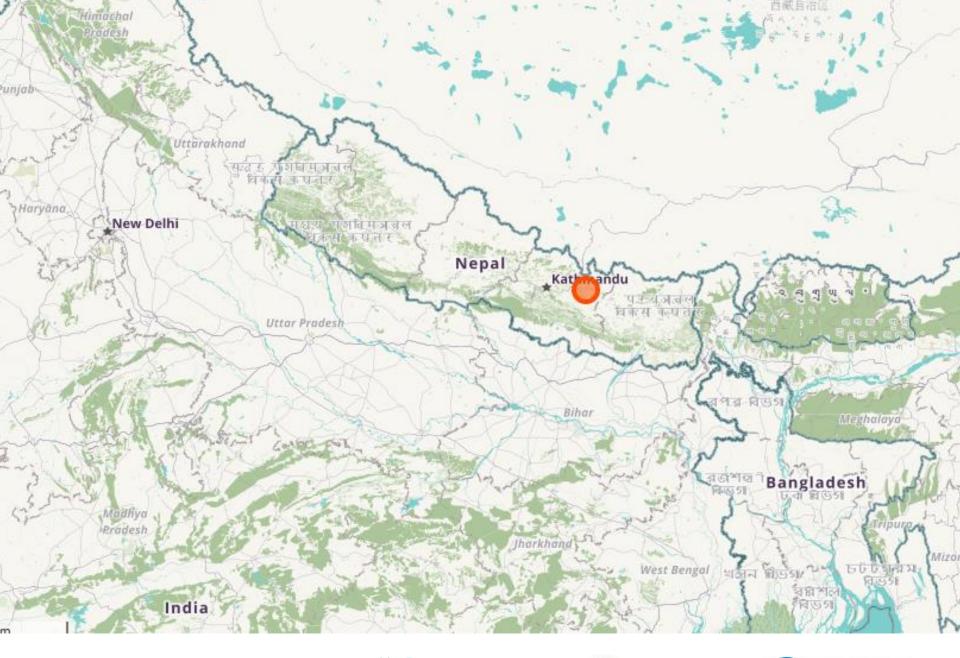


Implementation of Fit for Purpose Land Administration in Nepal, in a post disaster context.

Paula Dijkstra, Raja Ram Chhatkuli, Danilo Antonio, Eva-Maria Unger, Chrit Lemmen Wondimagegm Tesfaye, Shristee Singh Shresta













Devastating earthquakes in Nepal

- Two earthquakes in April and May 2015 with a magnitude of 7.9 and 7.3
 - 31 districts affected in the Centre and North of the country
 - 8979 people lost their lives in the Gorkha earthquakes.
 - 22.300 people were injured.
 - 100.000 people are displaced.
 - 8 million people affected.
 - 769.000 structures were destroyed (of which 31.000 class rooms)











Nepal & Post Disaster Needs

- After the earthquakes, the Government of Nepal made an action plan for the coming 5 years:
 - Post Disaster Needs Assessment (PDNA)
 - Post Disaster Recovery Framework (PDRF).
- The Government of Nepal is committed to address the reconstruction in a <u>practical way</u> and to prevent long bureaucratic procedures.
- Due to the earthquakes there is pressure from the National Reconstruction Authority (NRA) to <u>address</u> <u>land issues</u> in the recovery from disaster.
- NRA supports the use of Fit-for-purpose approaches in the government's effort of <u>fast-tracking recovery</u> initiatives.











Fit For Purpose Land Administration Frameworks

Legal

- Private individual ownership
- No mechanisms for recognition and recordation of informal tenures
- New constitution
 - Recognizes female inheritance
 - Access to land for all
 - New land policy

Institutional

- Divisions within and between ministries and department (e.g. initial registration / updating)
- Limited exchange of digital data
- NRA creates opportunity to fast track bureaucratic procedures

Spatial

- Manual and paper based, movement towards digitization
- Majority of information was collected with plane tables
- Fixed boundaries
- High accuracy requirements









3 Post Disaster Land Challenges

- Securing informal and non formal tenure
- 2. Relocation from vulnerable sites
- 3. Integrated settlement planning
- These challenges are addressed in a joint project of GLTN, Kadaster, UN Habitat Nepal and Huradec.
- In three communities Fit-For-Purpose Land Administration solutions will be applied to document people to land relationships and to get an overview of the recovery needs.
- Feedback will be provided in the development of the responsive National Land Policy and Fit-For-Purpose Land Administration strategy.



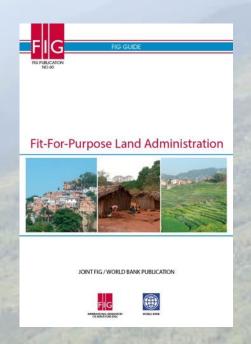


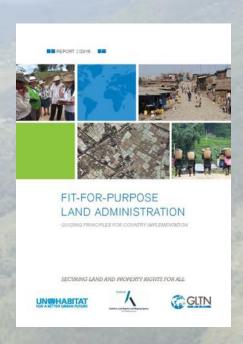




Principles of Fit For Purpose Land Administration Approach

- Flexible
- Inclusive
- Participatory
- Affordable
- Reliable
- Attainable
- Upgradeable













Selection of GLTN Tools

- Affordable
- Equitable and gender-responsive
- Governance
- Subsidiarity
- Sustainable
- Systematic, large-scale
- Pro-poor

http://www.gltn.net/index.php/land-tools/introduction-to-land-tools









Selection of Tools

- Participatory enumeration
- STDM(concept & software)
- Gender Evaluation Criteria
- Participatory and Inclusive Land Re-Adjustment (PILaR).

These tools were modified and customized to fit with the local context









Step 1: Participatory Enumeration

- Household questionnaire
- Farm questionnaire
- In line with the Gender Evaluation Criteria
- Local enumerators were trained and have tested questionnaires and use of GPS handheld
- Handbooks:
 - questionnaires
 - GPS handheld devices









DOLKHA HOUSEHOLD¹ ENUMERATION QUESTIONNAIRE

दोलखा घरधुरी गणना प्रस्नावली

Rev. 17.07.2017

	A. ENUMERATION गणना	
1.	Questionnaire number* प्रस्नावली नम्बर	
2.	Name of enumerator* (Last name, other names) तथ्यांक संकलकको (थर, नाम)	
3.	English date of enumeration (dd/mm/yyyy) • तथ्यांक संकलन अंग्रेजी मिति (गते/ महिना/साल)	
4.	GPS ID number जिपि एस आइडी नम्बर	
5.	Camera ID number क्यामरा आइडी नम्बर	

B. RESPONDENT उत्तरदाता	
6. Name (Last Name, other names*) थर, नाम	
7. Mobile number मोबाईल नम्बर	
8. Gender <u>• लिंग</u>	☐ Female महिला (1)
	☐ Male पुरुष (2)
	□ Other अन्य (3)









Questionnaires

Information was collected on:

- Respondent
- Household
- Household Members
- House
- House Tenure
- Farm
- Farm Tenure











Step 2: Collection of Visual Boundaries

Satellite images (A0)

 Local enumerators were trained on boundary collection in combination with farm questionnaires

 Hand book on data collection with visual boundaries











Step 3: Data Entry

Data entry of household questionnaire in STDM

Data entry of farm questionnaire in STDM

- Georeferencing of A0 plots with camera with YS from VCSP program
- Digitising boundaries in QGIS with YS from VCSP program
- Linking data questionnaires with GPS and boundary information in STDM
- Overview of the 'People to Land Relationships'











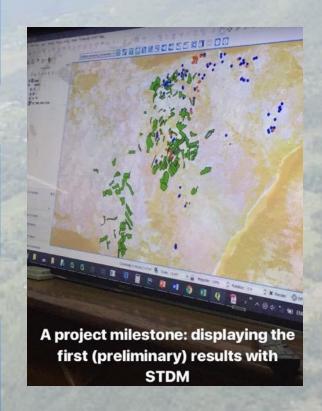


Step 4: Data Validation

Internal: Check and double check from data entry by data entry persons

Enumerators: Check of (selection of) data

Community: Validation of data by displaying data in each of the communities











Step 5: Data Analyses

Development of queries based on the questionnaires

Selection of the most relevant queries, addressing the overal objective of the project

Preparing analysis so that it can be used and presented at local, district and national level

Results will be presented in January 2018









Expected results after the project

- Introduced Fit For Purpose Land Administration in a post disaster context in Nepal
- Facilitated an inclusive, gender sensitive, participatory and transparent approach
- Identified people to land relationships in earthquake affected areas, formal and informal
- Identified issues in access to land in the recovery from disaster
- Identified issues in providing grants for the recovery from disaster









Expected results after the project

- Supported the integrated settlement plans for two sites
- Produced 6 handbooks with hands-on instructions on the used approaches and technologies
- Raised awareness on land tenure at district and local level
- Recommendations on the use and maintenance of the data by community & government
- Provided recommendations from the experiences in the three pilot areas to the national land policy
- Provided recommendations on Fit-for-Purpose Land Administration Strategy for Nepal









धन्यवाद! Thank you! Muchas Gracias!













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