



Inclusive Land Tenure Mapping by Skilling Rural Youth

Organiser(s)/:
Institution(s) Centurion University & NRMCLG



NRMCLG

Secured land rights are key to conservation, productivity increase and sustainable development. Documented, updated and transparent land records syncing textual and spatial land records with on-ground tenure reflecting prevailing law/custom, is key to secured land rights and critical for sustainable development (SDG indicators 1.4.2 and 5a1).

However, in India, about 1.5 billion parcels either remain un-updated or un-surveyed, with a minimum of 10% needing updating every year, due to transactional and inheritance changes. While most of existing 264 million land records remain old and un-updated as per DILRMP, recognition of forest rights as per FRA, 2005, surveying of un-surveyed land under customary tenure regimes in NE India as well as constituting post-survey land grants (viz. homestead, usufruct rights, ceiling surplus and agricultural land etc.) etc. add up to the task.

The need of such massive mapping and regular updating task is very difficult to achieve through conventional survey with the existing capacity of land departments in terms of ground force, skills and resources. Technology can come to rescue with fast emerging of diverse options promising to make mapping more inclusive, less costly, more efficient and easy to handle. Mapping options are now more evolved, universal, less costly and more accurate with expanding GIS infrastructure and technologies (viz. GNSS, DGPS, RTK, more remote sensing satellites and bands like L1, L2 and L5) as well as spaces opening up around availability and high resolution of satellite imageries and Increased access to (and lower cost) of drones.

There is a strong need in India, of building a community-sourced and led inclusive mapping ecosystem. This can be a flexible digital platform (web and mobile interfaces) integrated with appropriate social-institutional-legal systems to effectively and efficiently map diverse land tenure situations. Community-led land tenure mapping as an inclusive digitalized platform is the compelling need for ensuring land tenure security in form of new and updated land records created through transparent, democratic and inclusive processes, by a cadre of skilled rural youth locally accessible, through a demand-based revenue model.

This session jointly organized by NRMCLG and Centurion University, Odisha will deliberate on the experience and scope of engaging rural youth trained in digital mapping tools, as licensed surveyors to address massive land and forest rights mapping requirements in rural and tribal India. The idea emanates from the scope in Odisha and Bihar's Special Survey and Settlement Rules, which allows the provision of not only use of digital tools in land survey also the option of licensed surveyors.

Subsequent to NRMCLG's (with technology partner Geolysis) mapping initiatives in Odisha and Manipur, with Centurion University we have now launched a training module to train Diploma Engineers and 12th pass youth as licensed surveyors in response to recent initiative by Department of land Records in GOO. This session will deliberate on such initiatives in India and outside and explore if and how such a decentralised and self-sustained initiative can be mainstreamed through skill missions in India to update and sync land records towards the goal of conclusive titling. The discussions would particularly focus how hundreds of thousands of rural youth can be skilled in digital mapping tools through Skill Missions to help addressing mapping needs in 6 lakhs villages in India, in partnership with land revenue departments and host of technology and service providers weaved in a partnership-ecosystem.





Season plan

12-Mar-19

Panel 6: Inclusive Land Tenure Mapping by Skilling Rural Youth

14.00 - 15.30 Hrs



NRMC

NRMC-CLG &
Centurion University

Chair

Frank Pichel, Cadasta Foundation

Introductory Presentation : Pranab R Choudhury, NRMC-CLG

Panelists

K P Krishnan, Secretary, Ministry of Skill Development and Entrepreneurship, Govt of India

Rajesh Patil, CEO, Odisha Skill Development Authority, Govt of Odisha

Ravi Ranjan, Mission Director at Jharkhand Skill Development Mission Society, Govt of Jharkhand

Prof Mukti Mishra, President, Centurion University, Odisha

