

Innovative Technology for Land Administration (with emphasis on Pro Poor Land Management)

Dr. Arbind Man TULADHAR, Netherlands

ABSTRACT

According to Homeless International, there are about 900 million people who live in slums worldwide, and among them are 570 millions that live in the Asia-Pacific region. They do not have safe and secure housing. They are mostly evicted from their lands, and compelled to live in health- and life- threatening environments. In order to deal these problems, UN-HABITAT provides pro poor land management concept with flexible approach depending on local society and circumstances.

This paper discusses technological innovations needed for effective land administration to have effective pro poor land management. These innovations relates to a) land tenure paradigm that provides the poor better tenure security, b) technologies (such as Geo-ICT) for effectiveness in the processes of land administration i.e. determination, recording and dissemination of land information on tenure and use rights of land, and c) land information systems enabling easy access to land information for all users. These issues are elaborated with practical cases applicable to pro poor land management procedures.

BIOGRAPHICAL NOTES

Dr. Arbind Man Tuladhar is assistant professor of Land Administration and Geo-Information Science at the department of Urban and Regional Planning and Geo-Information Management, International Institute for Geo-Information Science and Earth Observation (ITC), the Netherlands. His current research interests focus on land tenure, land management/administration, cadastral systems, land Information systems, system modeling and development including 3D modeling, and spatial data infrastructure.

CONTACTS

Dr. Arbind Man Tuladhar
Assistant Professor
International Institute for Geo-Information Science and Earth Observation (ITC)
P.O. Box 6, 7500AA
Enschede
The Netherlands
Tel. +31 (0)53 4874312
Fax + 31 (0)53 4874575
Email: Tuladhar@itc.nl
Web site: <http://www.itc.nl>

Author's name: Dr. Arbind Man Tuladhar
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