

# Fintech for Geo-spatial Transformation and Real Estate Management

Manohar Velpuri (Denmark), Madhu Aman Sharma (Cambodia), Chetan Maringanti (Switzerland), Surya Bhamidipati (India) and Yee Hoong Chin (Singapore)

**Key words:** Access to land; Cadastre; Curricula; Digital cadastre; e-Governance; Geoinformation/GI; GSDI; Informal settlements; Land management; Professional practice; Property taxes; Real estate development; Spatial planning; Standards; Valuation

## SUMMARY

The need for providing reliable, evidence-based open and/or low-cost data which describe a "spatially enabled" society. But today we realize that we have an additional task to ensure that these data and tools are used intelligently by the society and governments and through that to ensure the transition from the stage of a "spatially enabled" society to the stage of a "spatially mature" society: a society that is able to use the available spatial information and tools in a smart way in order to achieve sustainable prosperity for all.

Societies are to a great extent spatially enabled due to the extended use of affordable smart devices, cognitive computing for all to improve human decision-making, provision of personalized information and the Internet of Me, Internet of Things. Valuers and Surveyors has a challenge to increase the "usability" of spatial data, systems and land tools, establish a mechanism for a consistent and repeatable update of information to compare & monitor the "geospatial maturity" of our society: the ability to retrieve the right information and use it to optimize activities required to achieve the SDGs.

Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies is the theme of this FIG Congress. In this policy related paper we will explore the question of - Does Smart contracts Distributed ledger technologies (DLT) lead to geospatial transformation and sustainable real estate management.

---

Fintech for Geo-spatial Transformation and Real Estate Management (9184)

Manohar Velpuri (Denmark), Madhu Aman Sharma (Cambodia), Chetan Maringanti (Switzerland), Surya Bhamidipati (India) and Yee Hoong Chin (Singapore)

FIG Congress 2018

Embracing our smart world where the continents connect: enhancing the geospatial maturity of societies  
Istanbul, Turkey, May 6–11, 2018