Modernization of Land Administration and Its Socio- Economic Impact

Land and Property program focused on the impact of modernization of land administration and the existing challenges along with the requirement of schemes such as SVAMITVA to be rolled out for urban areas as well. The best practices and innovative ideas were discussed along with existing technological solutions for addressing the challenges in the sector. Land and Property program in GeoSmart India 2023 had very insightful discussion in six sessions including Recommendations and Way Forward with the experts from Government, Private sector, Academia, Start-ups, and Knowledge Hub. The program covered the discussion on-

Opening Session: Modernization of Land Administration & It's impact on national development	Geospatial enabled government initiatives impacting land economy and national development	Evolving role of geospatial and frontier technologies in enabling sustainable land administration
Transition from Data to Knowledge applications for land administration	Integrated cadastre and registry	Collaborations in land and property sector: existing challenges and success stories

The geospatial technology market for the Rural Development and Land Administration Sector in India is currently estimated to be **INR 1100 crores** in 2022, and is expected to grow to **INR 1500** crores in 2025.

KEY TAKEAWAYS:

→ The utilization of blockchain technology

→ GIS for fostering partnerships with Line Departments, Agencies, Industry, and Academia to promote knowledge exchange, capacity building, and social impact

→ Facilitating monetisation of properties and enabling bank loans and other financial facilities.

→ Reducing property related disputes, thereby enabling faster transaction and settlement.

→ Utilization of data originated under SVAMITVA scheme may be used for tracking Sustainable Development Goals, Swachch Bharat Abhiyaan, Disaster Management Plan and much more.

→ Support land surveyors and legal professionals by accurately aligning historical land survey data with current satellite imagery to resolve property boundary disputes.

→ Reduction of collateral damage costs of infrastructure development

→ Block Chain / AI based Central repository of RoRs maintained by Government.

→ Establishment of Digital Land Settlement Survey [DLSS] office

→ High quality and timely available geospatial information leads to land tenure security

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