

MILESTONES TO BUILD SPATIAL DATA INFRASTRUCTURE SUPPORTING SUSTAINABLE LAND MANAGEMENT

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ABSTRACT

Turkey started e-government actions to build Turkey's National Spatial Data Infrastructure titled as "Turkey National GIS" (TUCBS or TRGIS in English) in 2004. TRGIS actions aim to enable effective use and sharing of geographic data on electronic communication network by developing standards, policies, and technologies. Consecutive actions determined current situation and general vision. However, requirements could not be determined on production, management, and sharing of geographic data. General Directorate of GIS was established in 2011. Projects were triggered to define geo-data standards and to build legal and administrative structure of National GIS. Hereby, national GIS strategy and the legislation framework were determined to manage geographic information. General administrative structure was designed for National GIS committee and working groups. National GIS portal with its metadata standard is being built to share geographic information. As a result of analyzing existing applications, data requirement works, and international standards; data specifications were designed for base geo-data themes. These standards are being tested to use in GIS projects of Turkey. By taking problems and processes into account, this study examines activities for building National GIS and gives milestones supporting National GIS initiatives as an integral part of land management.

Keywords TUCBS

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