

Policy and legal issues and challenges in geospatial information management

Tuvalu Perspective

Outline

- Legislation
- Department Role – Geospatial Data
- Data Sharing
- Challenges

Legislation

NATIVE LANDS ACT

- Land ownership, transfer, and any dealing on land
- Roles of Lands Court & Lands Appeals Court
- Roles of Lands Officer
- Amendment to NLA – Codify Use of Cadastral Map data as a tool

MARITIME ZONES ACT 2012

- Outline geospatial data of different maritime zones
- Baselines (normal & archipelagic baseline), 12 nm TW, 24 nm CZ, Treaty Lines with neighbors, 200 nm
- Limits of the Continental Shelf
- Partial deposit to UN- DOALOS

Lands & Survey Role

- Administration of Lands in the country – Native Lands Act
- Collect, store, process and provide survey and geospatial data to government & public bodies, landowners
- topographic data, cadastral data and redefinition surveys, engineering survey
- aerial survey data, satellite images, drone survey & image data
- maritime boundary work, joint extended continental shelf activity with NZ & France
- Mineral activities – coastal mining (sand & gravel), EEZ and ISA

Arrangement on Data Use and Data Sharing

- Native Lands Act 2005 – legalize & recognize use of Cadastral Survey Data as tool to identify land parcels
- Cadastral Data open for appeal in Courts (amend)
- Geospatial data shared with other government bodies; charge at minimal fee to private companies and public
- Tuvalu Land Information System (TUVLIS); topo, cadastre, bathymetry & hydrographic data, aerial photos, satellite images, drone images
- TUVLIS on stand- alone server accessible to Lands & Survey Dept only (Govt network)
- Data sharing limited to government stakeholders, fee apply to public and contractors

Challenges

- Non existent of legal or policy arrangements on methodology of data collection, standards and specifications
- No legal or policy arrangement on licensing, data sharing and distribution
- Non existent of Survey Legislation
- small investment on survey and geospatial hardware & software