PRESENTATION
TIMOR LESTE COUNTRY REPORT

Ministry of Justice
The Directorate General of Land and Property
National Geospatial Information
For Second UN-WGIC 10-14 October 2022
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Geographically

- Timor Leste is an island Country located in Southeast Asia, the north of Australia and the eastern part of the island of Timor
- Mainly mountainous, with small plains
- Tropical monsoon climate
- Economy: Agriculture (Coffee, sandalwood), Offshore oil and gas
- 14 Districts, 68 Sub-districts and 456 Sucos (Villages)
History

- **1611-1975**: Portuguese colonization
- **1611-1975**: Indonesia Occupation and Administration
- **1999**: Referendum on independence
- **2002**: Independence (20 May)
- **2009**: twenty years from independence
- **Currency**: US Dollar (USD)
- **Population**: 1,293,119 million
- **Official Language**: Portuguese, Tetun
- **Capital city**: Dili
- **Government**: Democracy, Republic, Unitary State, Parliamentary system, Semi-presidential system
Country Profile

CAPITAL CITY IS: DILI

MAPA ADMINISTRATIVO TIMOR LESTE

Oecuse Island / Especial Economic Zone

Country Size: 15 000 Km²
Total:
- Municipality: 14
- Sub District: 68
- Village: 456
- Island:
  - Occussi
  - Atauro
  - Jaco

Atauro Island

Jaco Island
Where is Timor-Leste?

Flores, Indonesia

Timor Leste

Darwin, Australia
History

- 1600: Small kingdoms recorded
- 1611-1975: Portuguese colonization
- 1975: Indonesian occupation and administration
- 1999: Referendum on independence
- 2002: Independence (20 May)
- 2009: Twenty years from independence
GIS development Chronology

- 1990s, Second Land Resource Evaluation and Planning Project (LREP-II), ADB funded
- 2000- Various supports from UN, Int’l Organizations and bilateral donors,
  - Transitional period and independence period
  - Support Resolution at 17th UNRCC-AP
- 2007-: Resume of GIS development with international supports.
- 2007 -2013, Ita Nia Rai Project
Legal framework and Policy

Overview

- Regulation no 10/2019 concerning the ministry of justice
- Regulation No 40/2019, concerning responsible for National Geospatial Information.
- Law no 13/2017, Land title and register system was stablisht for Timor Leste.
- Decree law no. 65/2022. Cadastral Surveying System
- There no official body such as committee to coordinate development of Geospatial Information at government level.
- No standardization for data production
DNTPSC, Ministry of Justice

- Cadastral surveys for determination of location and size of parcels for development and use.
DNTPSC, Ministry of Justice

Maintain framework geographic database

1. Topographic Map scale: 1 : 50,000
2. Aerial Photograph  scale 1: 1000

Cadastral map
3. Geodetic networks
3. Geodetic networks

- First Order
- Second Order
- Third order
Ministry of Territorial Planning

- Establish Eighth CORS Cover Country
DGTP, Ministry of Justice

- Contribution to National Development Strategy
  - Ministry of State Administration
  - Providing thematic maps for Election
  - Ministry of Agriculture Conducting surveying for establishment of National park

- The National Cadastral System (SNC)
  - Establish land registration system
  - Legal and technical (cadastral base map)

- Boundary Demarcation survey
  - Joint survey with Indonesian side

- Toponomy surveying:
3. Major activities

DGTP, Ministry of Justice

- **External support made so far**
  - Australia: Air photograph, 1:50,000 topographic map
  - Japan: 1:2,000 topographic map for Dili City and provide training, program and equipment
  - USAID Project: *Strengthening Property Rights in Timor-Leste* (SPRTL) managed by the company Tetra Tech ARD (ITA NIA RAI)
  - Portugal (GMN- ARM APPRIZE): National Geodetic framework, Survey to Establish National Cadastral System
Other institutions

1. Ministry of Agriculture
   • ALGIS: Agricultural and Land Use GIS

2. Ministry of Finance:
   • Census Map
   • Survey to establish 2000 housing for affected people

3. Infrastructure: Road database

4. Ministry of Transport and telecommunication
   • Survey to establish National Port on Tibar Village
   • Survey to establish National height way
NEW TIMOR PORT

3. Major activities

THOME GROUP

YOUR FULLY INTEGRATED MARITIME PARTNER
Suai Highway Phase I, East Timor
Total length: 30.355 kilometers

This two-way four-lane highway is located on the south coast of Timor-Leste. The highway is projected for speeds up to 100 km/h in flat areas and 60 km/h in mountain areas. Commenced in Jan. 2016, this 30.355-kilometer-long highway has been completed in Nov, 2018
Other institutions

- Institute of Petrology and Geology, Mapping for National Resources
- Timor Gap, Mapping on “Timor Supaly base Project
- Ministry of Natural Resources, Conducting Mapping and Survey for LNG project at Beasu Area
Ministry of Agriculture Survey on establishing National Park and Protection area

3. Major activities
CAPACITY BUILDING

➢ Generous supports from donors and international community
  • Development of land registration Regulation
➢ Lack of human resource and institutional capacity
  • develop, store, revise, distribute GIS data.
➢ Training (External and internal) still required
  • Possibility of using existing resources
TOWARDS A NSDI

- Achievements so far
  - UTM 51 S, WGS84, GI portal
- Still required for effective and efficient GIS infrastructure
  - Standardization
  - Centralizing metadata and feature catalogues
  - Facilitate data exchange and dissemination, revision of GIS portal
  - Formalized national coordination body
Centralizing metadata and feature catalogues such as:
- Raster Data
- Vector Data
- Numeric Data

Facilitate data exchange and dissemination, revision of GIS portal
- Standardization
- Formalized national coordination body with establishment of National Committee on Geospatial Information (NCGI)
4. GIS issues

HYDROLOGY DATA MODEL

- Streams
- Hydrology Point
- Drainage Area
- Hydrography
- Surface Terrain
- Rainfall response
- Digital Ortho photography
- Satellite Image
LAND PARCEL DATA MODEL

- Administration boundary
- Sistema de Rodaviariu
- Parkin area
- Private land parcelas
- Private Abandoned land
- Government land
- Area for Investment
- Protection area
- Public land
- National Park
This is a schematic of the various types of layers that can be used in a GIS.
5 COMPONENT OF TIMOR LESTE NATIONAL DATA INFRASTRUCTURE
Administrative boundary

- No legitimated administrative boundary data
  - Various versions lead confusion
  - Potential cause of land disputes
  - Misconduct of administration works (census, election)

- Approaches for solving the problems
  - Lobbying, information sharing
  - Cooperation with Ministry of State Administration
  - Project configuration, seeking funds
BORDER DEMARCATION

4. GIS issues
BORDER DEMARCATION

- Clear national border demarcation between Timor-Leste and Indonesia for
  - Maintaining security
  - Facilitate the movement of people and goods
  - Effective natural resources management
- Continuing joint efforts are
  - Resolve contested sections
  - Border marker installation, survey and maintenance
  - 1:25,000 mapping in the border area
  - Establishment of gazetteers
Conclusions

- Efforts have been made, but national capacity is still low.
- Priorities are
  - Sufficient technical capacity development
  - Overall coordination of GIS infrastructures
- Timor-Leste thanks to all the members UN-GGIM AP and International communities
- Expect the better future than today
Acknowledgements

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THANK YOU