



GIS in St. Lucia

Ministry of Physical Development,
Environment & Housing
St. Lucia



GIS In St. Lucia

- Evolution of GIS in the Ministry of Physical Development
- Data Layers Available
- Current & Ongoing Projects
- Forth Coming Projects
- Hazard Vulnerability Assessment



Evolution of GIS

- Started 1995 supported by CIDA.
- Provided Equipment : Computers, Plotter, Digitizing Table.
- Software
- Training (Hands On)
- Hardcopy Maps were Digitized



Data Layers Available (Base)

- Coast Outline 1:25,000 (1982) - DOS
- Hydrology 1:25,000 (1982) - DOS
- Contours 1:25,000 (1982) - DOS
- Roads 1:25,000 (1982) - DOS
- Admin. Boundaries 1:25,000 (1982) - DOS



Data Layers Available (Thematic)

- Coastal Hazard 1:50,000 (1985) – OAS
- Landslide Hazard 1:50,000 (1985) – OAS
- Geology 1:50,000 (1985) – OAS
- Land Capability 1:50,000 (1985) – OAS
- Water Sheds 1:50,000 (1985) – OAS
- Landuse 1:50,000 (1985) – OAS
- Human Settlement 1:50,000 (1985) – OAS
- Soils 1:25,000 (1966) – UWI
- Forest Land Cover 1:25,000 - CIDA/Forestry Dept
- Debris Flow 1:25,000 – UWI
- Debris Slide 1:25,000 – UWI



Current Ongoing Projects

- HMVA (Hazard Mitigation & Vulnerability Assessment Project)
- This Project Look at Four Hazards
 - Wind Storm Surge (Coastal Island Wide)
 - Flood Hazard (Castries Water shed)

Current Ongoing Projects

- Landslide Hazard (Castries Water shed)
- Drought Hazard (Island Wide)

This Project is supported by CDB & CDERA In collaboration with NEMO St. Lucia and Other Government Depts. and Private Sector Agencies



Current Ongoing Projects Con't

CZMU (Coastal Zone Management Unit)

: Mandate (Policy)

- Provide Technical Input & Advice to Planning and Management Agencies in Coastal Development Management



Current Ongoing Projects Con't

- Collect, Manage & Disseminate data on Coastal Resources
- Create & Enhance Public Awareness On Coastal Management Issues



Current Ongoing Projects Con't

- (WRI) World Resources Institute
Economic Evaluation Of Coral Reefs
 - Importance of Reefs to the Fisheries Sector
 - Importance of Reefs to the Scuba Dive Sector
 - Importance of Reefs for Coastal Protection



Forthcoming Projects

- Land Folio System
- Tax Database
- French Initiative



Hazard Vulnerability Assessment

- Creation of Hazards Layers
- Rating of Hazards
- Mapping of Critical Facilities Using GPS
- Rating of Critical Facilities
- Performing Vulnerability Assessment



Thank You

