Status and challenges of Geo-DRM information systems in KIRIBATI

Presentation Outline

- Background - Disasters that Kiribati maybe at risk from
- Current status of Disaster Risk Management
- Status of Geo-DRM
- Challenges
- Suggested ways forward

Disasters

Natural sources
•Droughts
•Inundation
•Tsunami
•Plague or epidemic

Related to man sources
•Maritime disaster (including oil spill)
•Fire or explosion
•Aircraft accidents

Climate change
•more intense storms
•wave events,
•extreme rainfall,
•sea level rise,
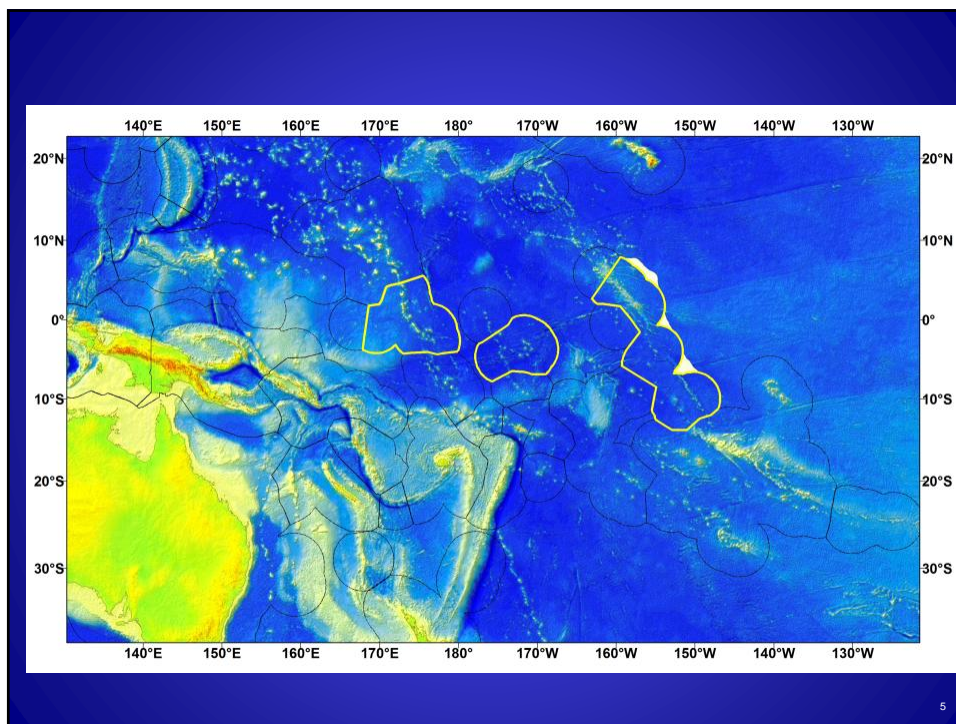•coastal erosion etc as well as fresh water

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Current Status of DRM

- Office of Te Beretitenti (OB) responsible for DRM.
- Policy officer coordinates and manages all DRM activities across Government bodies.
- Officer relies on different Ministries to acquire and collate data etc but continues to seek resources support ministry work

- Kiribati is three main groups of islands: Gilbert, Phoenix and Line Islands
- Vast distances between the groups and islands
- Management of Disaster activities is a challenge in itself in Kiribati

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Status of Geo-DRM

- Large volume of data exists but is fragmented within ministries
- Different GIS platforms such as Mapinfo
- Updates on GIS softwares are irregular and depend on projects or regional bodies support
- Continue to rely on regional bodies i.e. SOPAC for assistance
- Some ministries pursing development of own GIS systems - Kiribati Joint Implementation Plan focusing on DRM and Climate Change activities
- Idea to develop a national data and information centre to manage and share data in a timely manner
  - Linking this to existing national and regional portals
- Limited skills and capacity but the interest is high

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Challenges

- Fragmented – difficult to access data in a timely manner
- Most GIS are only active with projects
  - No resources to support staff for maintenance and upgrading
  - Acquisition and collation of data ends with end dates of the projects
  - Lack of funds to continue effort – e.g. is the Mapserver
- Short term – to long term - change thinking on establishment of systems – embedded into Government activities
  - Funds available to support
  - Maintenance ongoing

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Challenges

- Internet connectivity is intermittent in Kiribati to allow data sharing
- Lack of qualified staff to carry out maintenance of system
- Lack of GIS user group to share ideas and information on applications – such as Fiji GIS User Group

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_6803