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Status of Data Management

Saint Lucia

Presenters:

- **Marcathian Alexander,**
Information Technology Officer,
Ministry of Physical Development and the Environment.
- **Jim C. Joseph,**
Geonode Coordinator,
PPCR/SPCR Project (Saint Lucia)
The World Bank/Ministry of Physical Dev. and the Environment



Eastern Caribbean Open-Source Geospatial Data Sharing and Management Workshop

October 6-7, 2011 St. George's, Grenada



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National Metadata and Data Sharing Policies

- No standards exist for Metadata
- Most data sets have no relevant metadata
- There are no policies for data sharing.
- Plans to set up Geo Data Working Group to establish :-
 - **Spatial data standards**
 - **Meta data standards**
 - **Database standards**
 - **Spatial data standards – public use**
 - **GIS data delivery standards**

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Data Management Challenges

- Data Ownership, Responsibility/Accountability, Data Integrity



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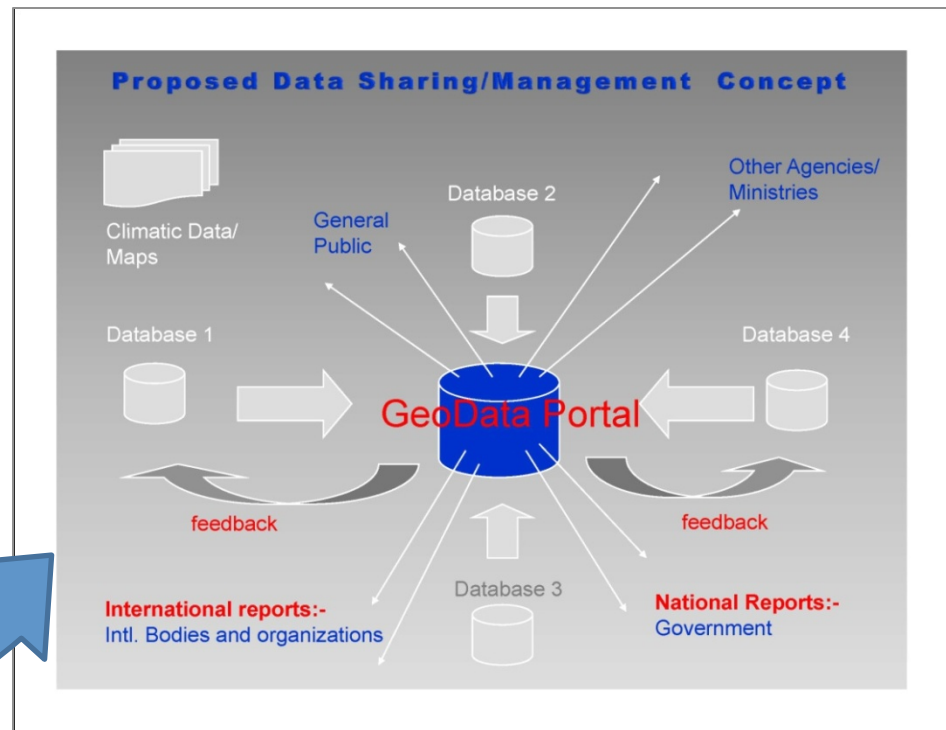
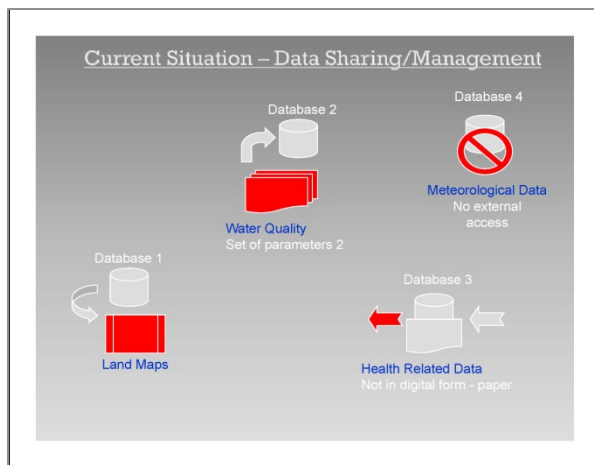
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Data Management Challenges

- Infrastructure to allow for centralized storage and distribution of data



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Data Management Challenges

- Infrastructure to allow distribution of varied datasets/data types and to cater for GIS and Non-GIS related material



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Data Management Challenges

- Unavailability of analytical tools (models) to make use of data
 - Lack of tools like Probability Risk Analysis/Assessment
 - Lack of tools like Disaster/Hazard models
 - Tools for decision making based on science (reliance on individuals to produce charts based on assumptions or best guess)

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Hardware/software needs to improve national data-sharing

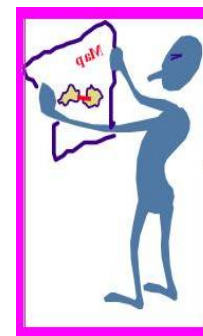
- Hardware:

Platform – Currently Independent Systems.

- Need for centralized system based on client/server principle
- Currently there are more Windows Based expertise than Linux
- Need for Internet based data sharing platform

GPS Receivers – Too few available

- Not many available on island
- Training in GIS/GIS related technologies
- Capacity building in governmental agencies



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Hardware/software needs to improve national data-sharing

- Software:

ArcGIS - Prohibitive.

- Need for opensource GIS applications comparable to ArcGIS
- Training in use of opensource GIS Applications

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Data Management Opportunities

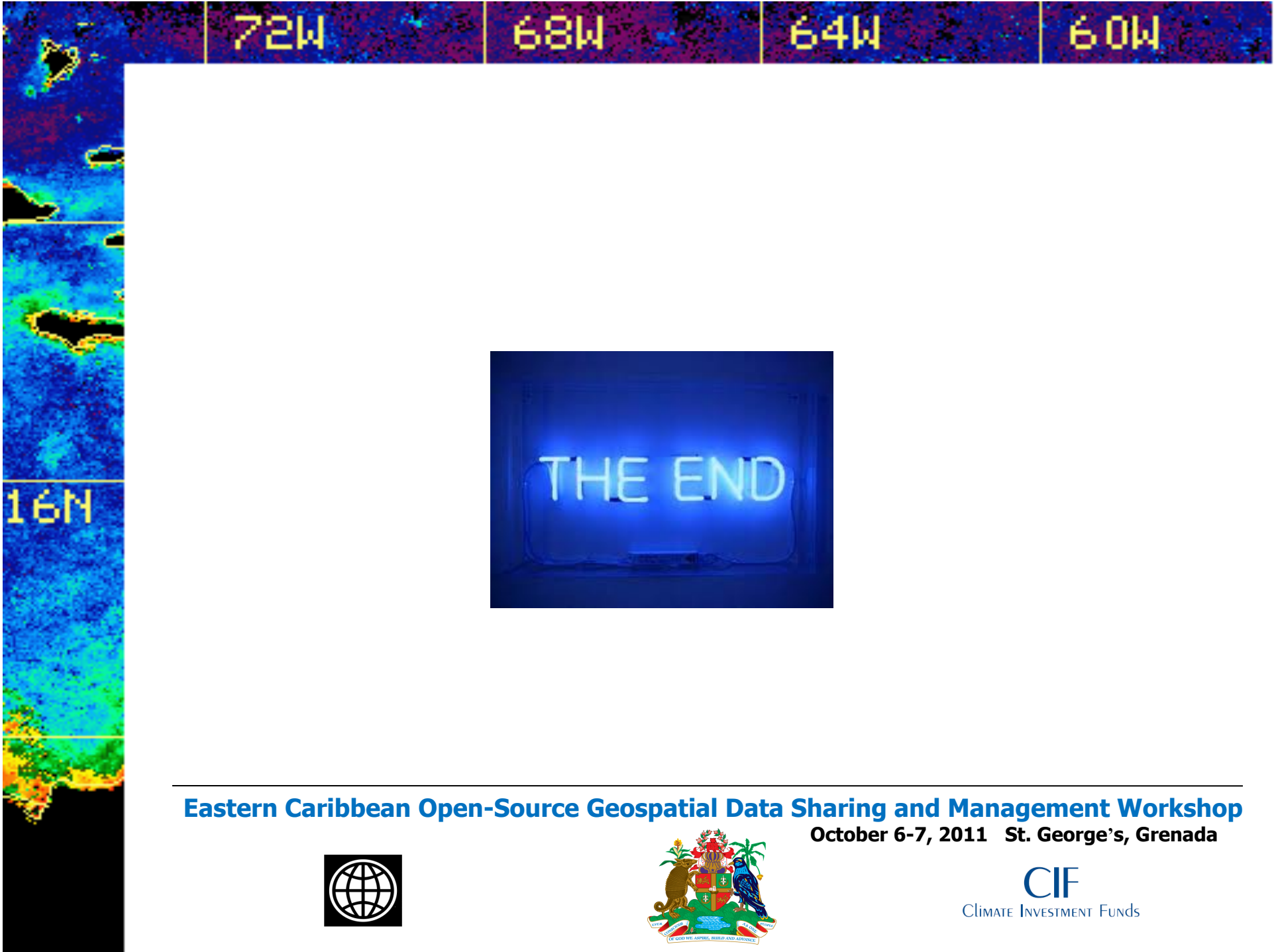
- Potential to digitise non digital records
- Sourcing and exploring open source platforms for GIS
- Training staff on multiple platforms to avoid vendor lock in.
- Centralised platform allow for greater security, management and distribution of data.
- Distribution platform frees human resources
- Sharing of Static Data: PDF files, Video, Audio etc, not produced in GIS Software
- Analytical Tools and Risk models will make use of data

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