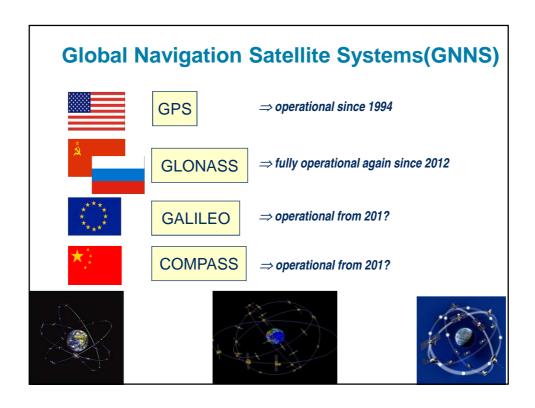
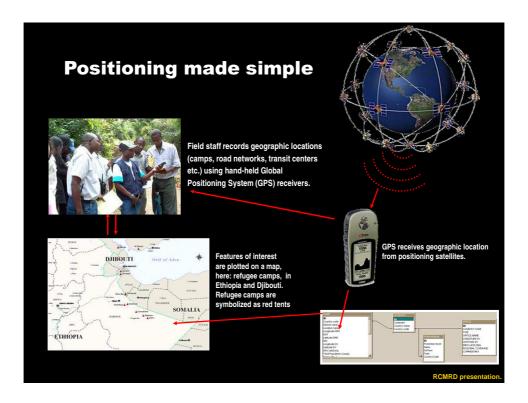


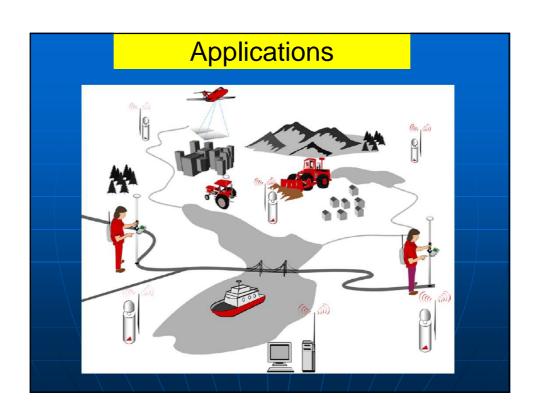
# Geoinformation

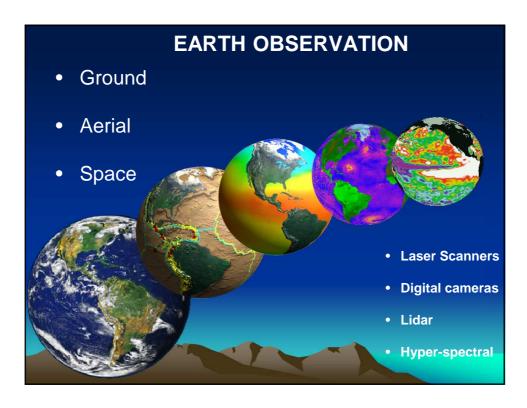
- Positioning
- Earth Observation
- Analysis, Visualization and Production
- Sharing and Exchange

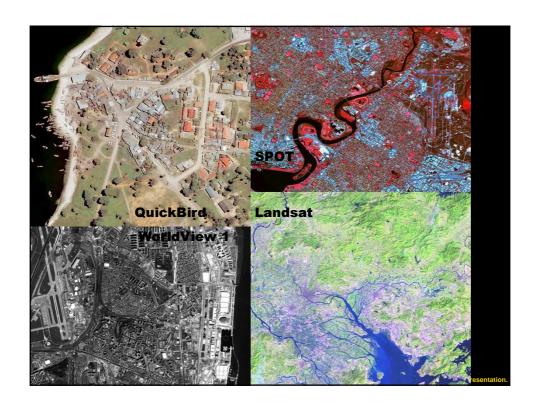


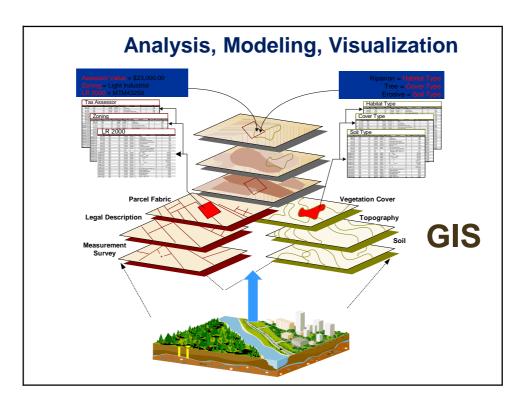


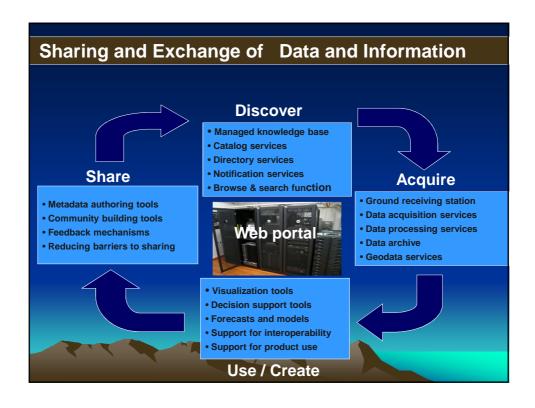














### **Questions Geoinformation System can Answer:**

Location Where is it?

Condition What is it ...?

Trends What has changed since ....?

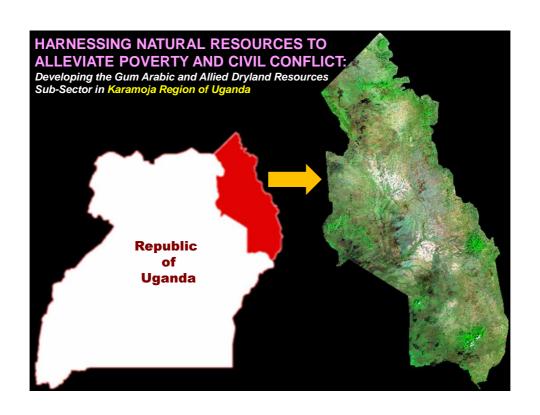
Patterns What spatial pattern exists?

Modeling What if ...?

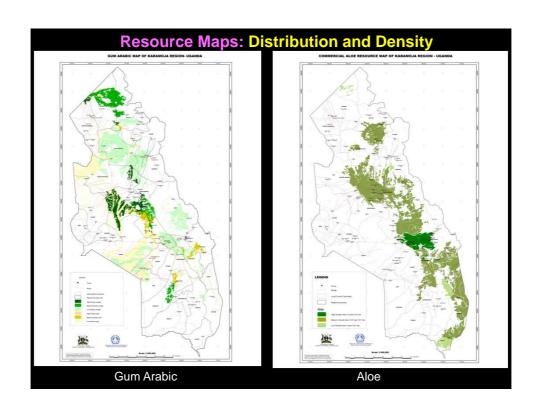
RCMRD presentation

# **Impacts**

- •Large increase in geographic data
- Many producers
- Many users
- •Better accessibility
- •Nature of geographic data

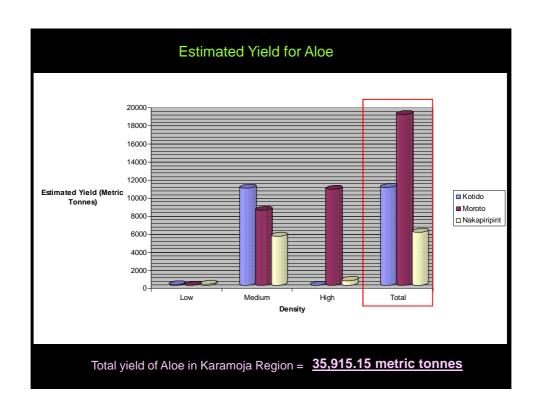


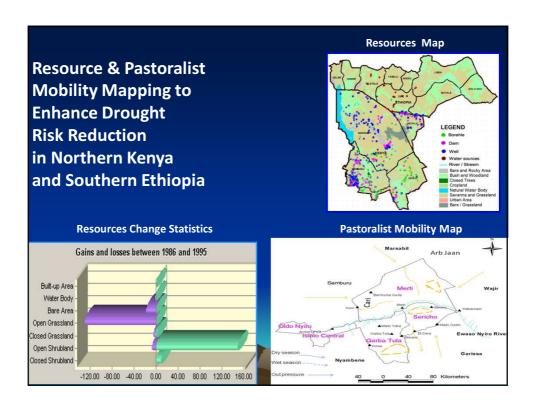




#### **Aloe Yield Estimation**

DISTRICT	Density Class	Area (ha)	Population (stems)	Estimated Yield (MT)
Kotido	Low	8,295.98	1,451,797	72.59
	Medium	182,529.69	215,658,829	10,782.94
	High	35.00	120,750	6.04
Subtotal		190,825.67	217,231,376	10,861.57
Moroto	Low	324.52	56,791	2.84
	Medium	140,622.87	166,427,167	8,321.36
	High	45,009.33	212,669,084	10,633.65
Subtotal		185,956.71	379,153,042	18,957.65
Nakapiripirit	Low	14715.08	2,575,140	128.76
	Medium	116690.95	108,697,620	5,434.88
	High	2352.80	10,645,832	532.29
Subtotal		133,758.83	121,918,592	5,868.45
TOTAL		510,541.21	718,303,010	35,915.15





# Land Cover and Land Use Change for Greenhouse Gas Inventory

- •RCMRD is working with UNFCC on providing consistent, reliable, relevant Land Use Land Use change and Forestry (LULUCF) information by harmonizing data compilation at national and regional levels.
- We are using 30m satellite data for assessing the land cover change maps in 1995, 2000, 2005 and 2010. The land cover change statistics will enable us to quantify the changes in greenhouse gas inventory.



Topographic and the second sec

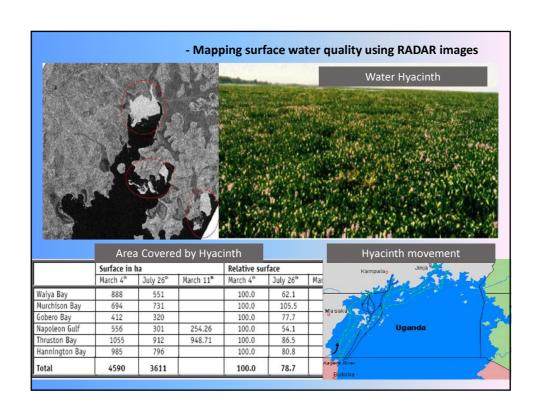
## Water Resources Management

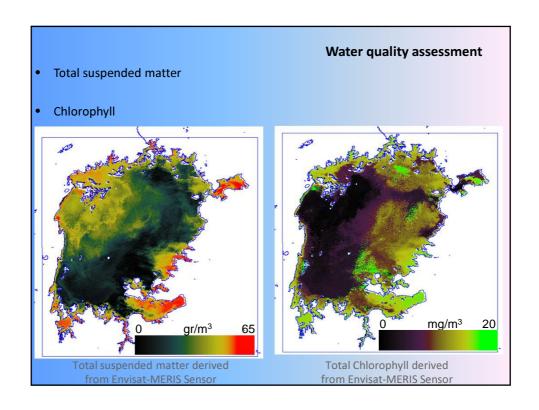
#### **Surface Water:**

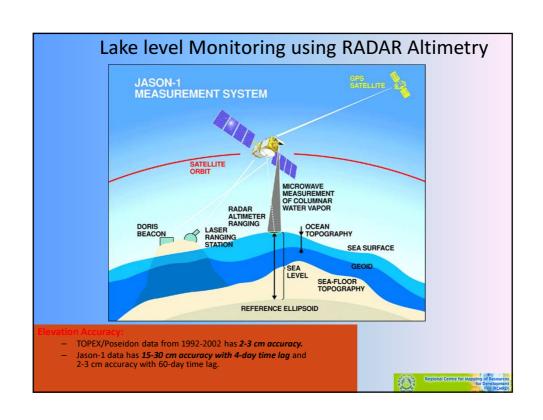
- Lakes:
  - Water quality monitoring
  - Level Monitoring
- Rivers:
  - Quality Monitoring
  - · Discharge monitoring
  - Management of catchment areas

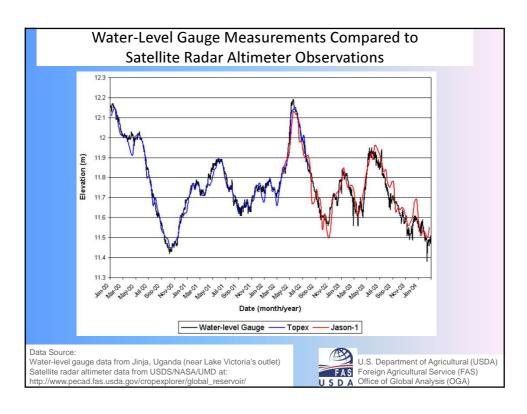
#### **Groundwater:**

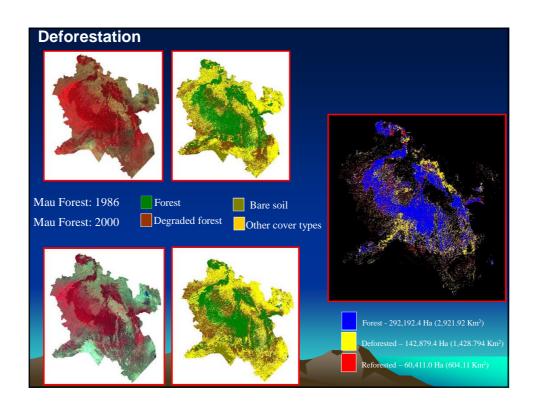
- Availability of Groundwater
- Monitoring of Water Qualty

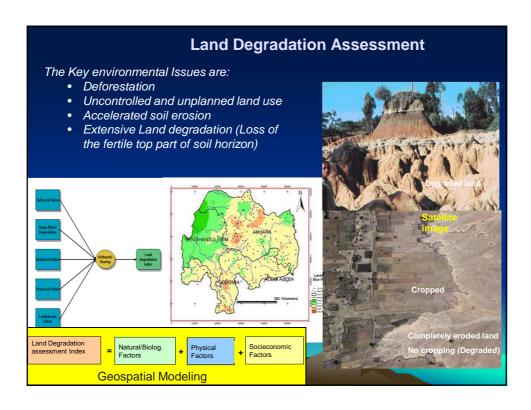


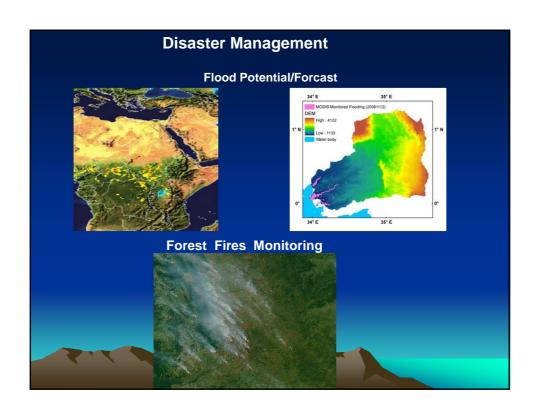


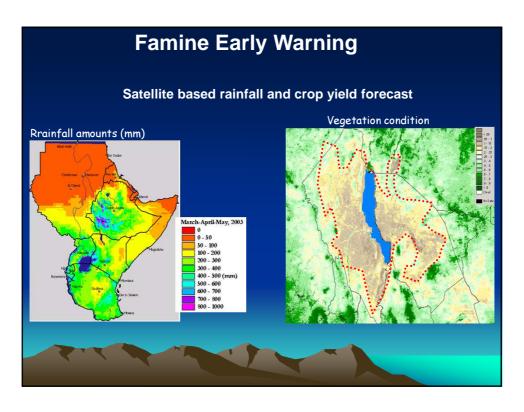


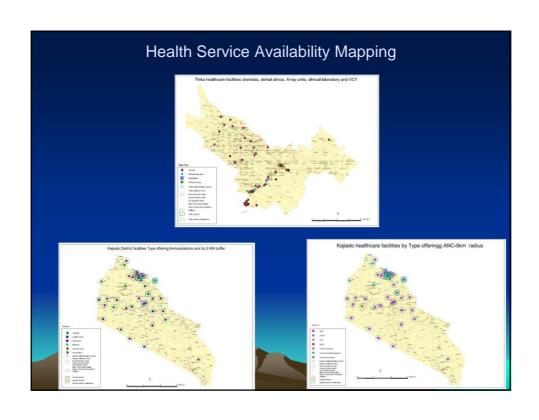


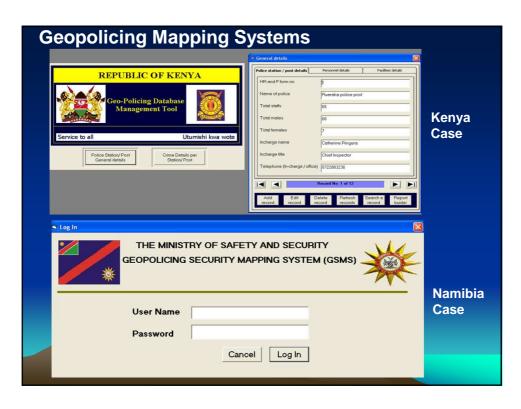


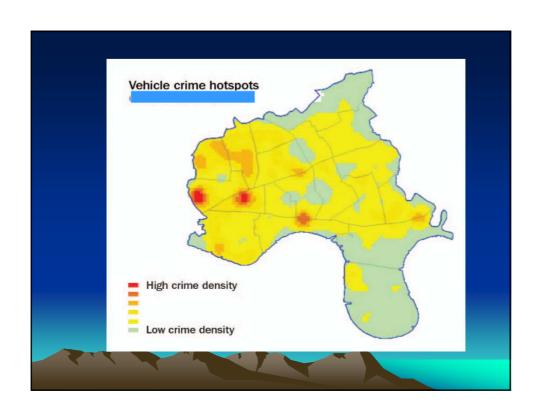












# **Current Initiatives**

- Production of fundamental data sets
- Modernization of Geodetic Networks
- LMIS
- NSDI
- Land Reforms/policy

## **National Fundamental Data Sets**

#### Production and maintenance of:

- Topographic Map Series
- Geodetic Control Network
- Aerial Photography and Satellite Imagery
- Cadastral Maps
- Land use cover maps
- Special Maps

