The Global Monitoring for Environment & Security and Africa (GMES & Africa) is a joint initiative programme Co-funded by the African Union Commission (AUC) and the European Union. It utilizes earth observation system to respond to global needs on Environment, Climate Change & ensure Civil Security.

RCMRD is among 8 successful consortia of institutions that were selected by the African Union Commission (AUC) to serve as Regional Implementing Centres for the GMES and Africa Phase 1.

### 3 Services offered
- Land Degradation Monitoring and assessment.
- Wetlands Monitoring and Assessment
- Open Geographical Regional Reference Vector Database for Water and Agro-Ecological Zonings

### Products Developed
- Products Developed for **10 Countries**
  (Eritrea, Ethiopia, Djibouti, Kenya, Rwanda, Somalia, Sudan, South Sudan, Tanzania and Uganda)
- Regional and National Degradation Index Maps
- Regional and National Degradation Vulnerability Maps
- Wetlands National and Hotspots Maps
- Wetlands National and Hotspots change Maps (Kenya and Uganda)
- Coastal Erosion Products (Kenya and Tanzania)
- National Vegetated Wetlands Reports (Kenya and Uganda)
- Geoportal
- Over **230** data sets (Administrative Boundaries Forest cover & Land cover maps, Agroecological zones dashboard, protected areas population & demographic)

### Data and Infrastructure
- **35** High End Data Processing Computer WorkStations
- **4** Digital Photogrammetry Workstations procured through GMES & Africa
- **3** E-station PCs

### Synergies with other Programs
- Projects using GMES and Africa Data
  - BIOPAMA
  - AfriGEO
  - SERVIR
  - OFESA
  - Digital Earth Africa

### 14 Project Countries

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<td>Higher Council for Environment and Natural Resources (HCENR)</td>
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### Private Sector Partnership
- ESIPPS International - Wetlands Vulnerability Assessment
- GeoMiK Consultants Africa - Land Degradation
- Geo-Spatial Research International - Socio-economic Valuation of Wetlands
- Locate IT - Coastal Erosion Mapping

### Capacity Building
- **Over 2500** participants from project countries and beyond trained
- On Earth Observation Tools and Services
- **20** Students offered scholarship at Masters and PhD using EO as a major component of their research.

### Data Sources
- Copernicus
- USGS
- CHIRPS
- E-Station
- Country Specific and Ground Truthing
- DEA Platform

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RCMRD Nairobi Kenya  
RCMRD community  
Regional Center for Mapping of Resources for Development

https://gmes.rcmrd.org  
https://gmesgeoportal.rcmrd.org