



RCMRD Data Repositories

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Outline

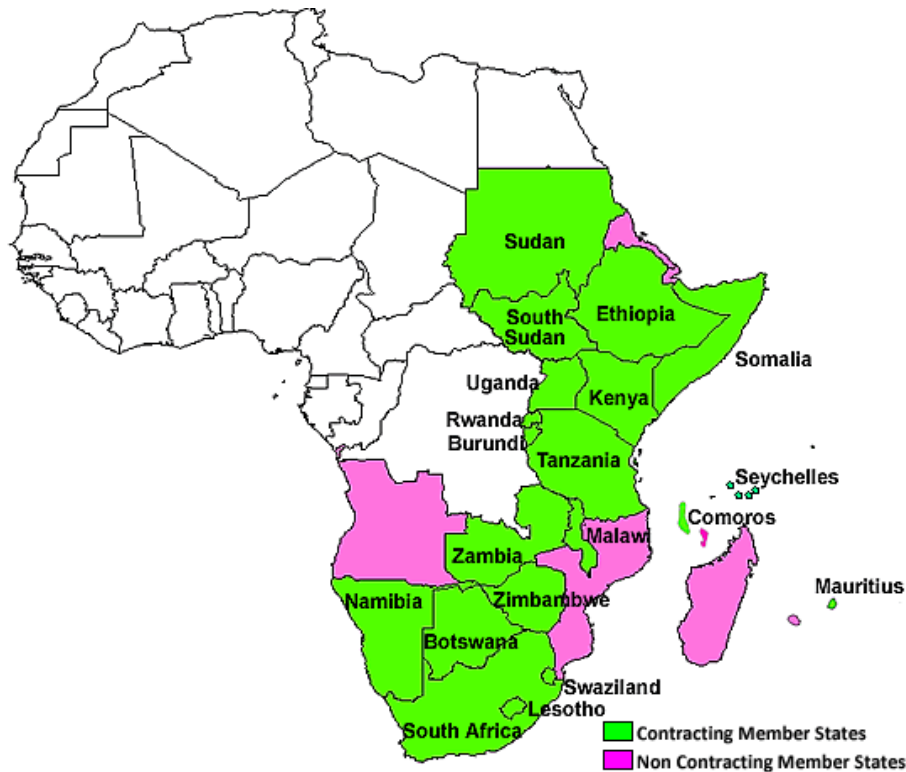


- About RCMRD
- Current and Future Projects
- Data Management Approaches
- Important Data Resources

About RCMRD



Geographic Coverage:



RCMRD Fact Sheet

- Inter-governmental organization with 20 member states in Eastern and Southern Africa
- Owned and governed by Member states + UNECA
- **Our Mission:** To promote sustainable development through generation, application and dissemination of Geo-Information and allied Information Communication Technology (ICT) services and products in the Member States and beyond.
- **Core areas:** project implementation, capacity building, research and development, Data and information dissemination, advisory services, calibration and servicing of land survey equipment.

Current & Future Regional Projects



Ongoing Projects:

1. [SERVIR Eastern and Southern Africa](#)

- ✓ This is a USAID funded project, whose main goal is to ensure that African countries have the abilities to apply geospatial technologies in improving their resilience to climate change.
- ✓ RCMRD receives technical support from NASA in addition to joint partnerships with academia institutions in undertaking climate related research i.e. Applied Science Team (AST)

2. Global Monitoring for Environment and Security (GMES)

- ✓ This is an EU and ESA initiative that aims at providing reliable and timely services related to environmental and security issues in support of users and public policy maker's needs
- ✓ RCMRD is currently focusing in 10 countries in the IGAD region

3. [Eastern and Southern Africa Forest Observatory \(OFESA\)](#)

- ✓ This platform consists of a website and GIS database platforms that aims at providing a better outlook on the trends and threats of forests in the 4 pilot countries in Eastern and Southern Africa.
- ✓ RCMRD with it's joint partners (EU, CIFOR and CIRAD) are planning to extend this effort to cover other countries in Eastern and Southern Africa.

Current & Future Regional Projects



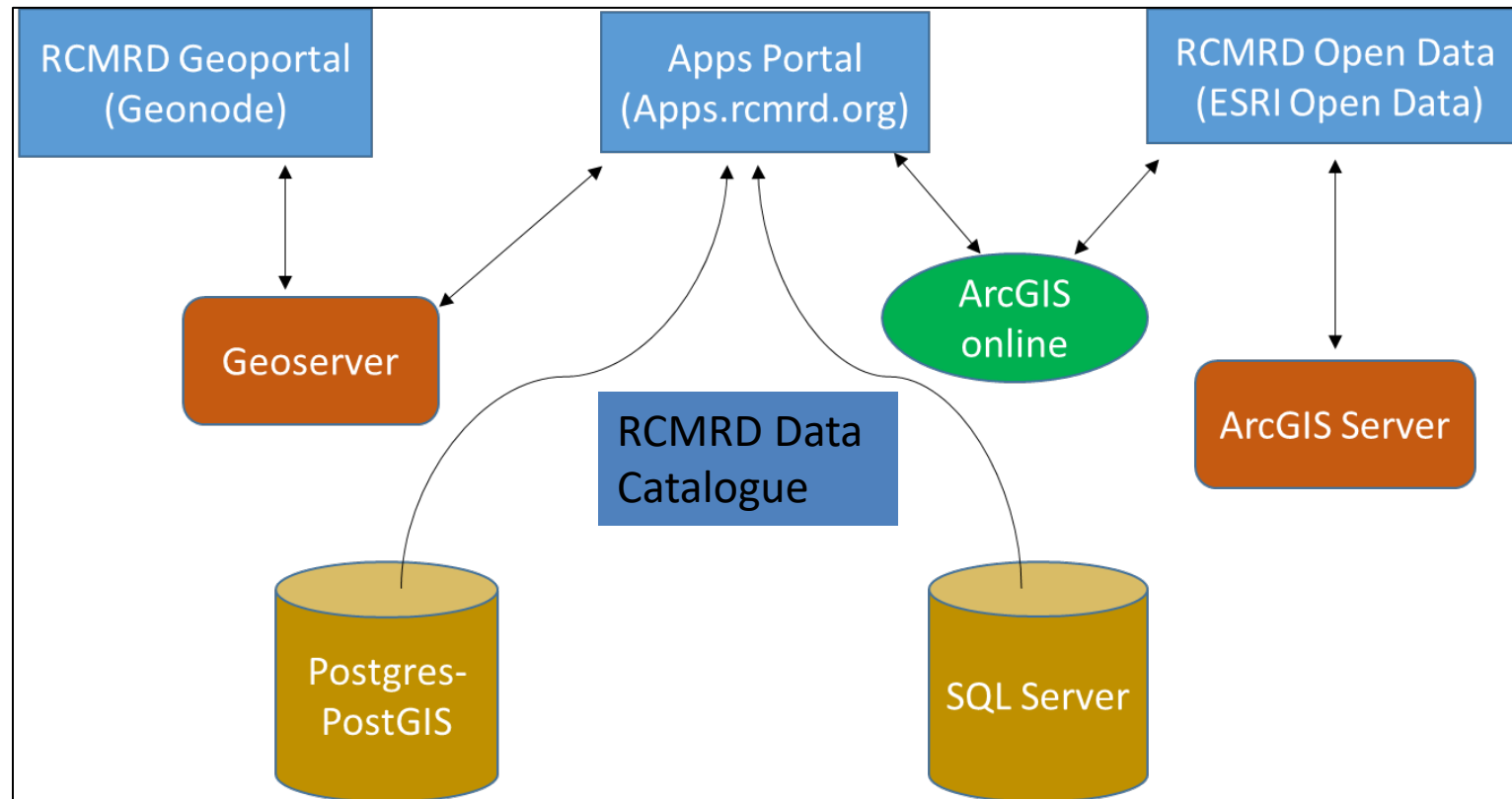
Incoming Projects:

1. Biodiversity and Protected Areas Management (BIOPAMA)
 - ✓ This project aims to improve the long term conservation and sustainable use of natural resources in Africa and other parts of the world.
 - ✓ RCMRD is teaming up with IUCN & UNEP-WCMC to improve management and governance of biodiversity and natural resources in Eastern and Southern Africa countries.
2. Network of Environmental Information Systems for Africa (NEISA) and Data Repository
 - ✓ This project aims to develop a network of environmental information systems and a data repository to address land tenure, land conflicts, community land rights, information and rights etc.
 - Geospatial data and products are generated from these projects
 - Hence the need to have an efficient data management and dissemination system in place
 - ✓ RCMRD is working with NEPAD through the GIZ to implement this project in 8 pilot countries within its member states.
3. Africa Ecological Futures (AEF)
 - ✓ AEF aims at integrating ecological needs when undertaking physical infrastructure in Africa.
 - ✓ 3 major landscapes have been piloted for pioneering in undertaking this exercise i.e. Mau Mau, Serengeti, Northern Mozambique Channel and the Greater Virunga.
 - ✓ RCMRD is partnering with WWF, AfDB and UNEP-WCMC in implementing this project.

Data Management Approaches



RCMRD Leverage on Both Open Source & Proprietary Software's e.g.



Important Data Resources



RCMRD Geoportal



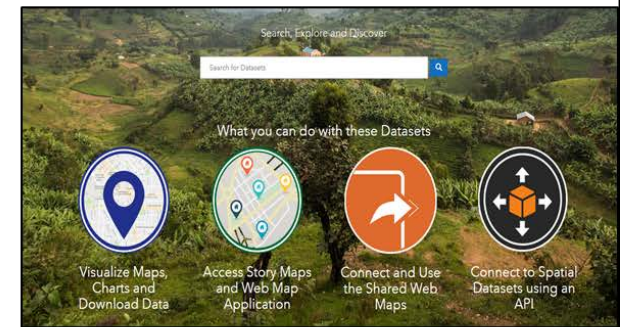
372 Total Datasets
178 Raster
194 Vector
77 Docs (Reports)
Over 15,000 hits
for data access

RCMRD Apps Portal



15 Web Apps in 7
GEOSS themes
Over 20,000 hits
for apps access

RCMRD Open Data



160 Layers
Over 5000 hits for
data access

Important Data Resources



Some regional web and mobile applications developed for specific needs:



The Eastern Africa Forest observatory provides a better understanding of the trends and threats of forests in Kenya, Uganda, Tanzania and Mozambique



This web app represents data and information on land cover map for GHG emissions for 9 countries in Eastern and Southern Africa



This application utilizes the MODIS active fire product to avail active fire information to its users through emails and SMS's systems



These mobile apps available through the google store perform several tasks such as invasive species mapping, rangeland mapping, frost validation and land use land cover mapping.

Important Data Resources



For more information on RCMRD and available data resources:

1. RCMRD Website - <http://rcmr.org>
2. RCMRD Geoportal – <http://geoportal.rcmr.org>
3. RCMRD Open Data – <http://opendata.rcmr.org>
4. RCMRD Apps Portal - <http://apps.rcmr.org/>

