

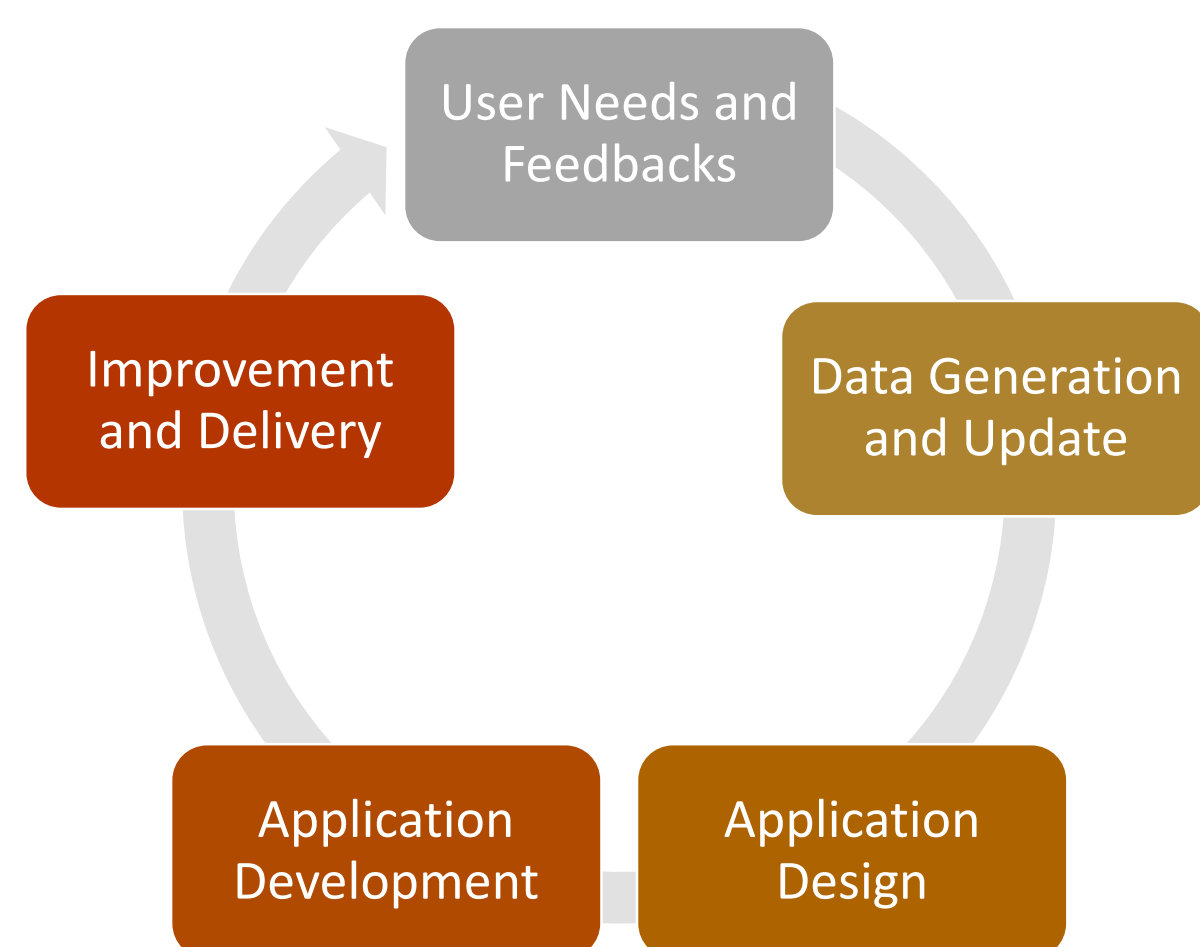
Transforming Geo-Spatial Data to Web Map Service Solutions

Ngugi Kimani¹, Patrick Kabatha¹, Maungu Oware¹, Wondimagegn T. Beshah¹, Steve Firsake¹, Anastasia Wahome¹, Hussein Farah¹, Africa Flores²
1 - Regional Centre for Mapping of Resources Development, , 2 - The SERVIR Coordination Office

Why this project?

The purpose of this is to improve the stakeholder's access and awareness of various outputs that are generated by SERVIR E&S Africa service areas. Some of these outputs are geospatial data, maps, tools/application and geoportals. This ultimately leads to informed decision making.

Approach/Project Activities



User Driven Application development cycle

Objectives

- ▶ To improve access and awareness of geospatial data in the region
- ▶ To enhance the institution capacity to share data through various online platforms
- ▶ To develop tools and applications that address users needs in decision making
- ▶ To provide capacity building for users to use these products

Outcomes/Anticipated Impacts

- ▶ Improved availability and usage of geospatial data in the region
- ▶ Improved capacity to use web based application by users
- ▶ Increased awareness on the importance of data sharing
- ▶ Simplified and cheaper data visualization without the need for a desktop applications

Project Partners & End Users

- ▶ Government institutions and departments in all sectors
- ▶ NGOs
- ▶ Private institutions
- ▶ General public
- ▶ Academic institutions of higher learning

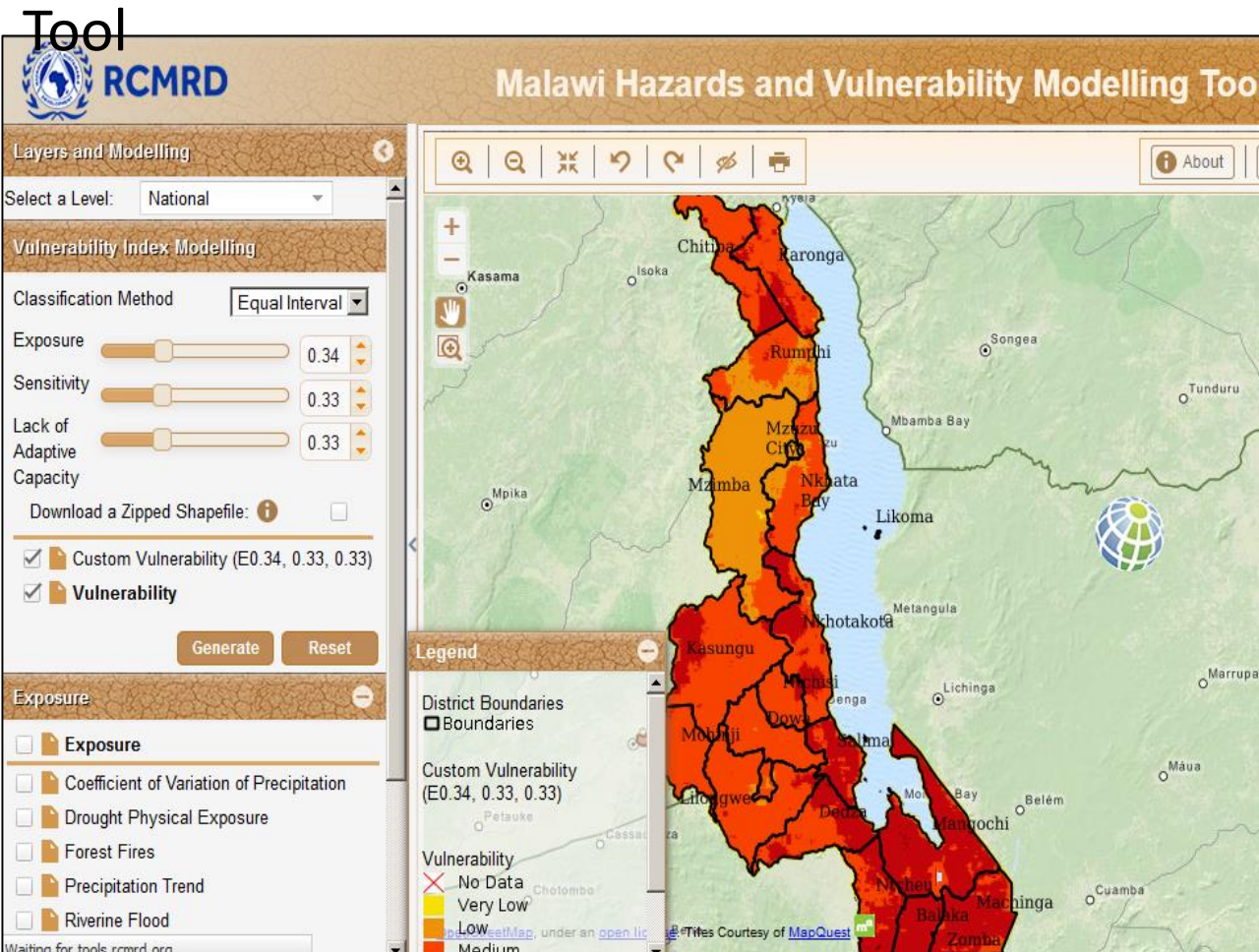


The launch of Ethiopian Mapping Agency Web GIS Portal in Addis Ababa during the Conference of Ministers

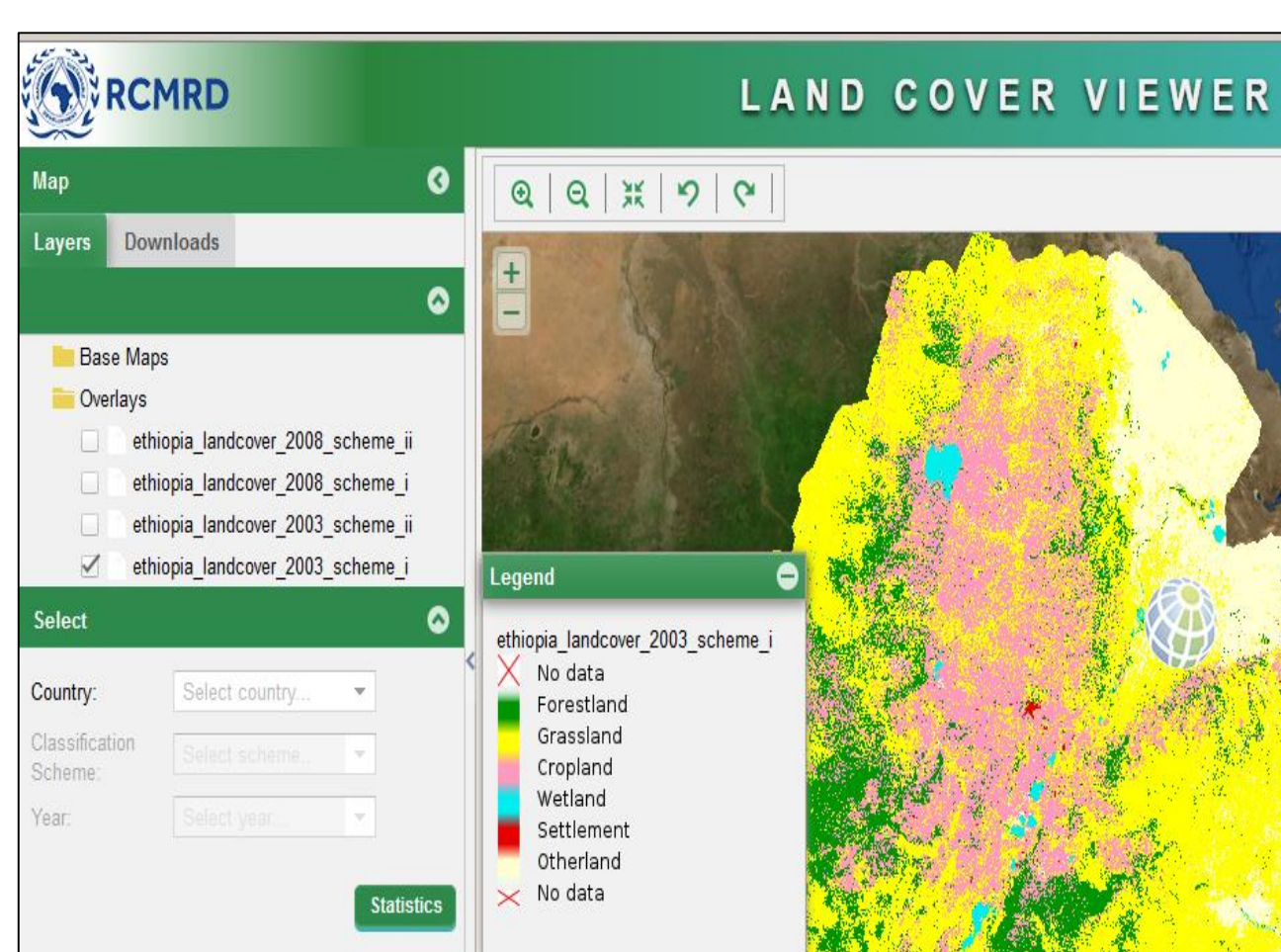
Results

Tools Developed to Address Users Needs

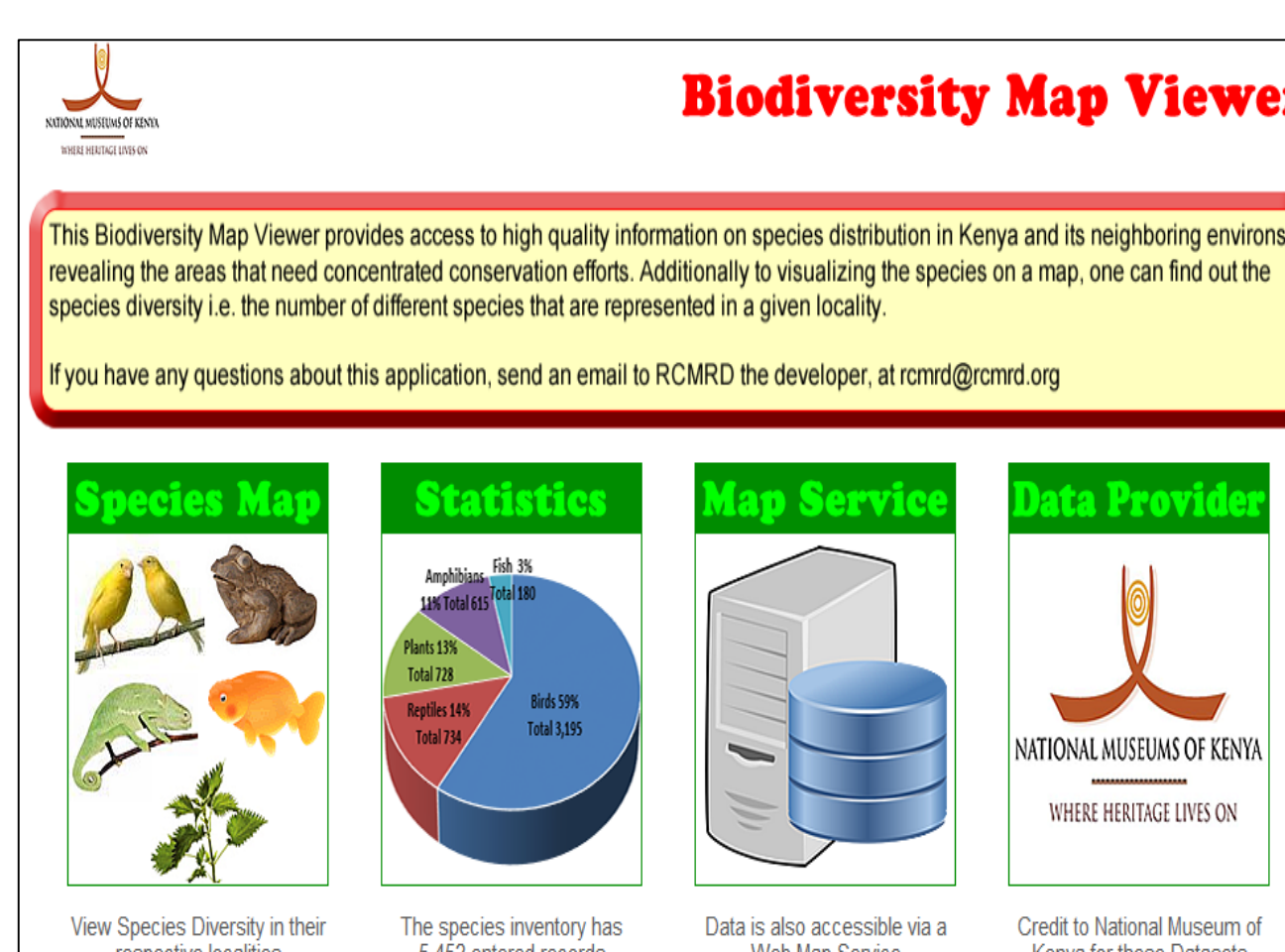
Malawi Hazards and Vulnerability Modelling



Land Cover Viewer to support Green House Gas



Biodiversity Map Viewer for Museums of Kenya

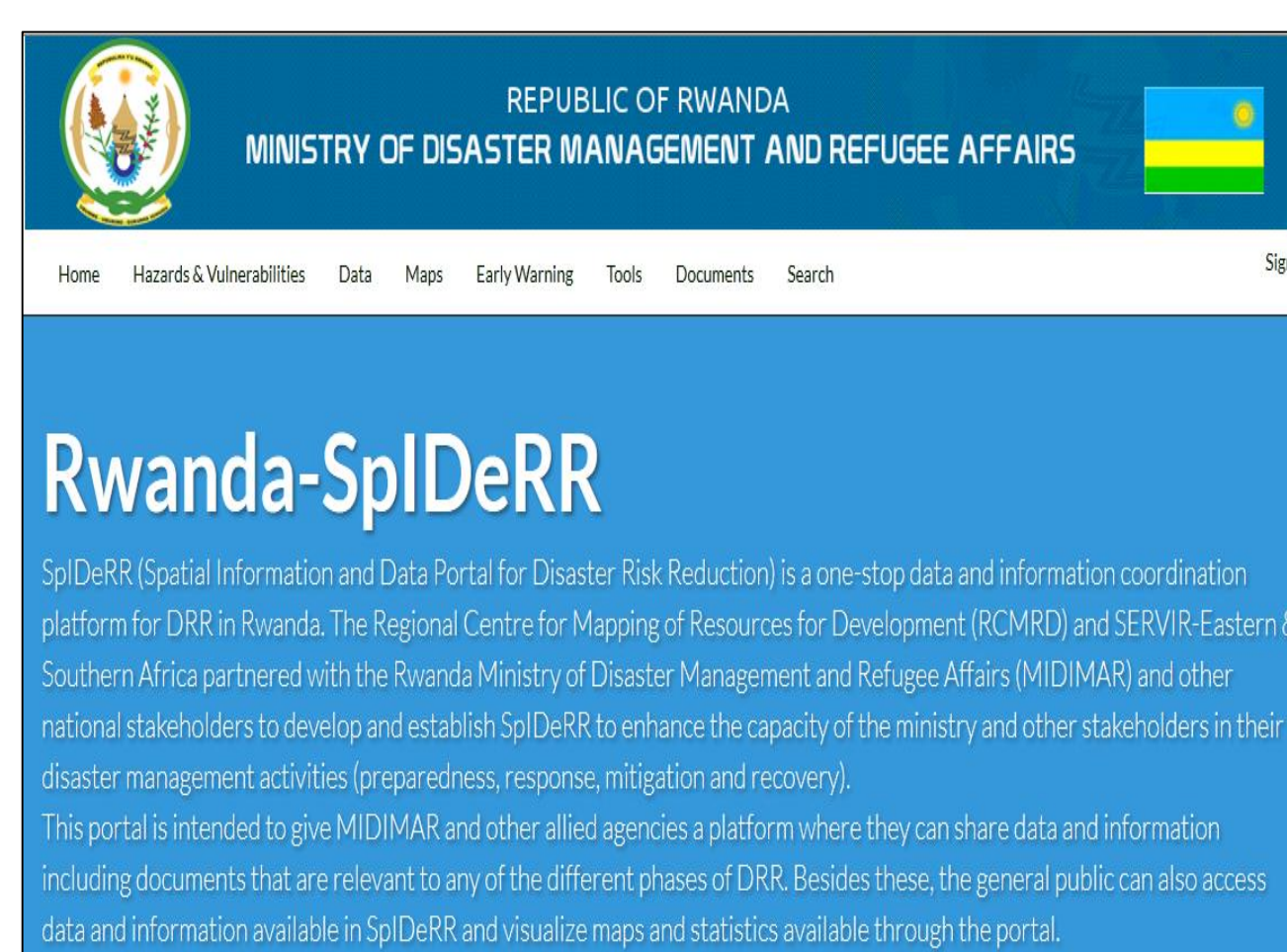


Geo-Portals Deployed

Ethiopian Mapping Agency Web GIS Portal



Rwanda Spatial Data Portal for Disaster Risk Reduction



Lesotho Committee on Environmental Data Portal

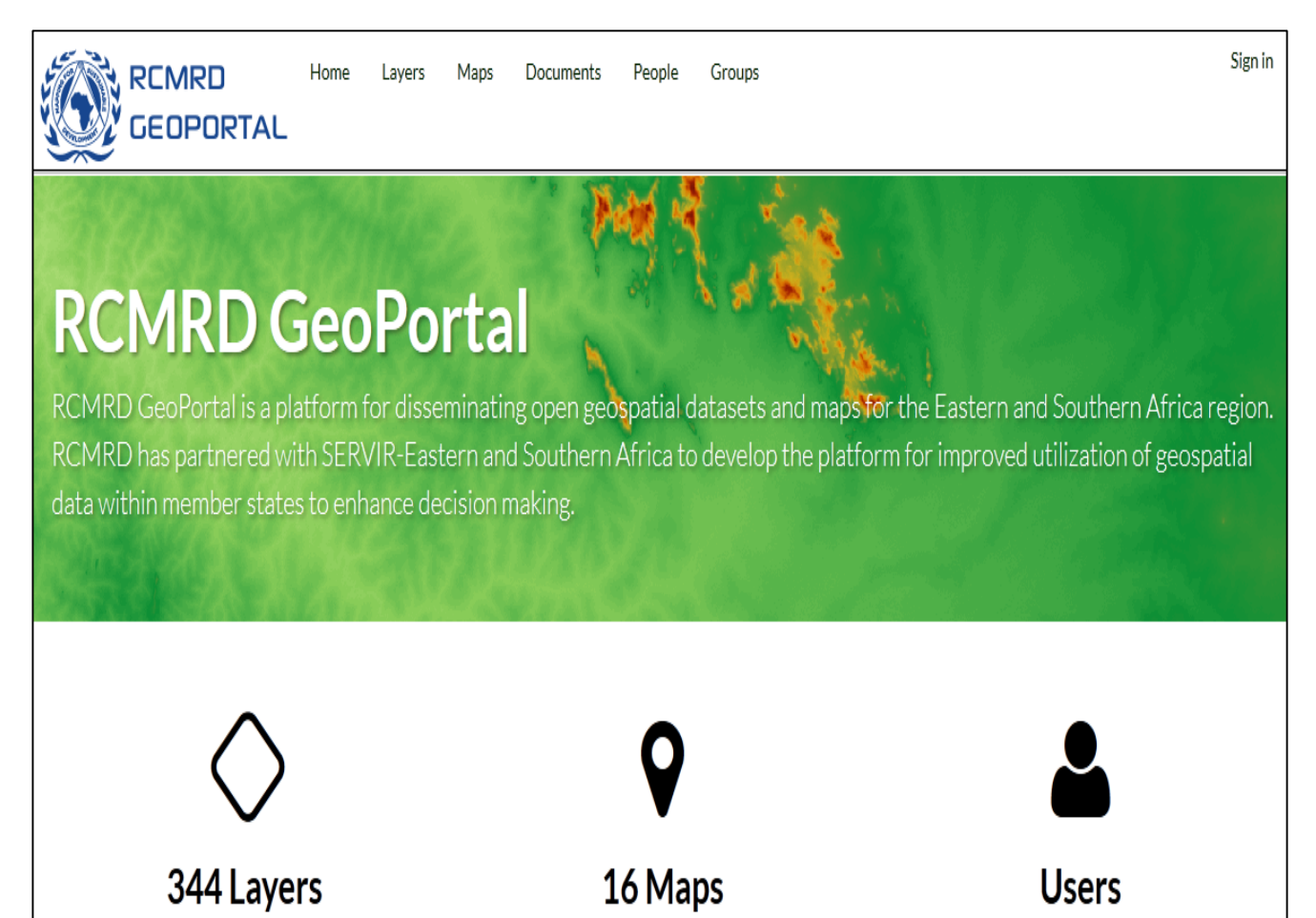


Data Access & Awareness

Apps Portal for accessing tools and applications



Geoportal for Data Discovery and Download



Portal for Publishing Story Maps

