Transforming Geo-Spatial Data to Web Map Service Solutions
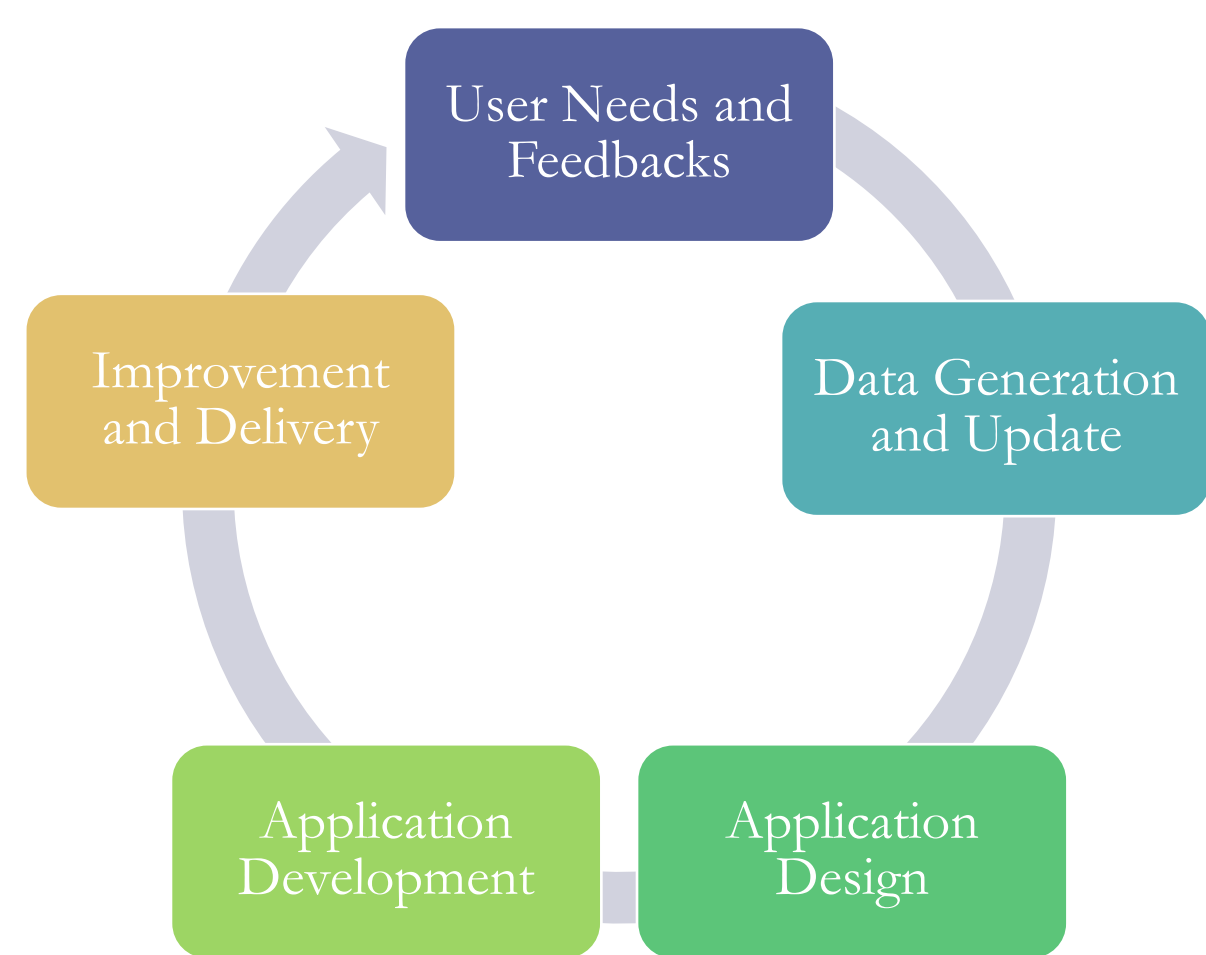
SERVIR
Eastern & Southern
AFRICA

Ngugi Kimani[1], Patrick Kabatha[1], Maungu Oware[1], Wondimagegn T. Beshah[1], Steve Firsake[1], Anastasia Wahome[1], Hussein Farah[1], Africa Flores[2]

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 the service areas. Some of these outputs are geospatial data, maps, tools/application and geoportals. This ultimately lead to informed decision making.

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

Project Partners & End Users

▶ Government institutions and departments in all sectors

▶ NGOs

▶ Private institutions

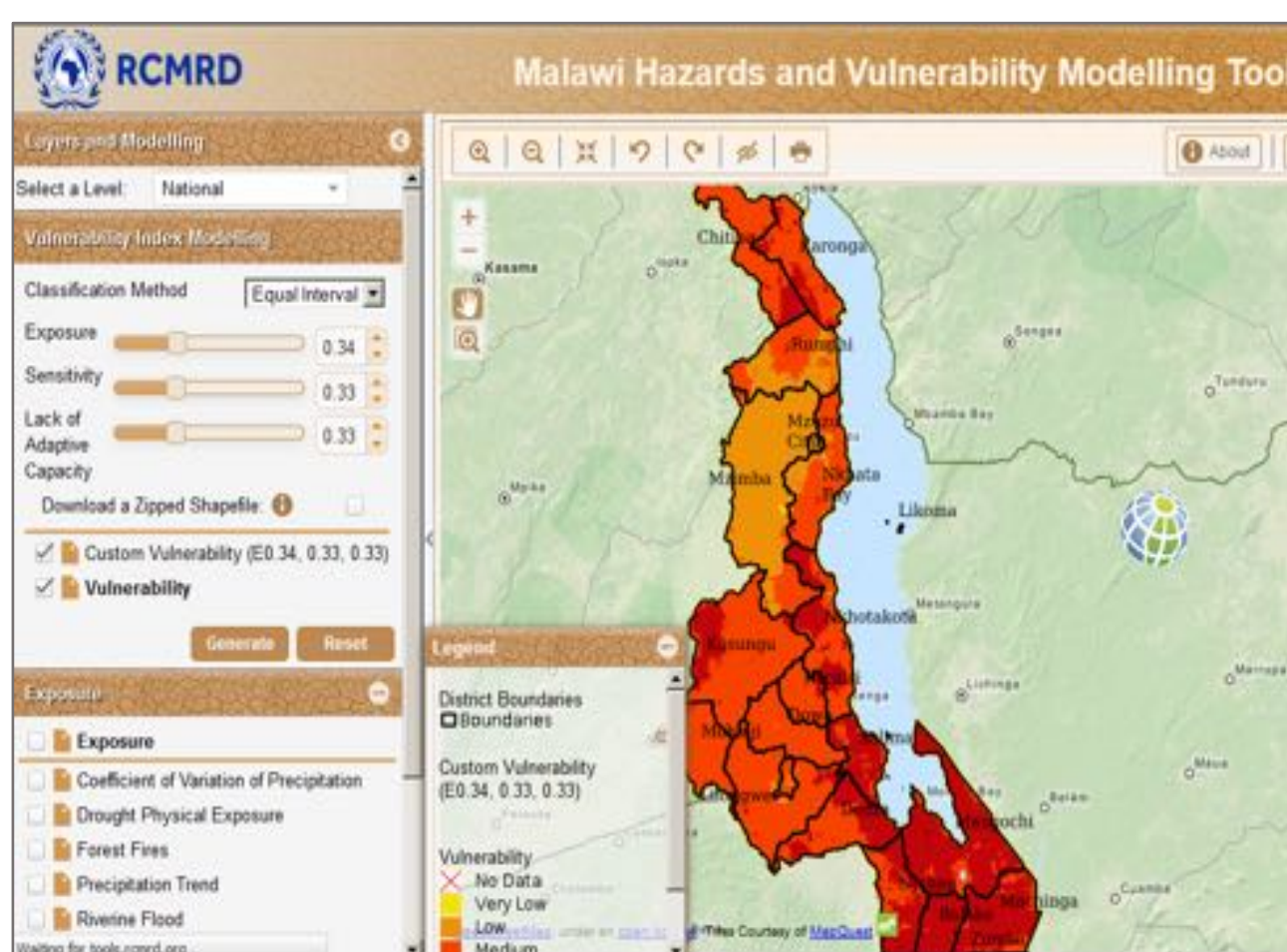▶ General public

▶ Academic institutions of higher learning

Approach/Project Activities

User Driven Application development cycle

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

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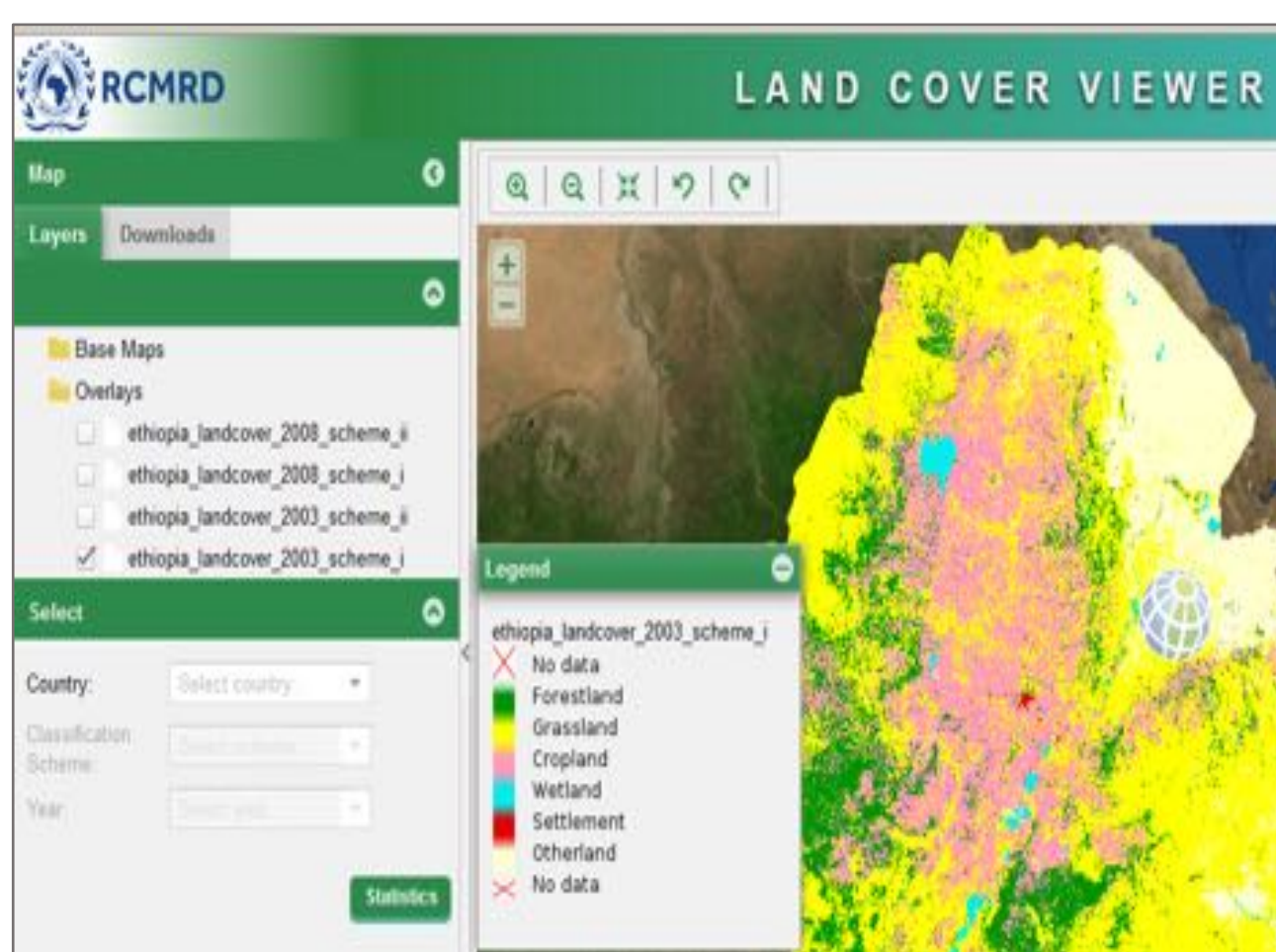
Results

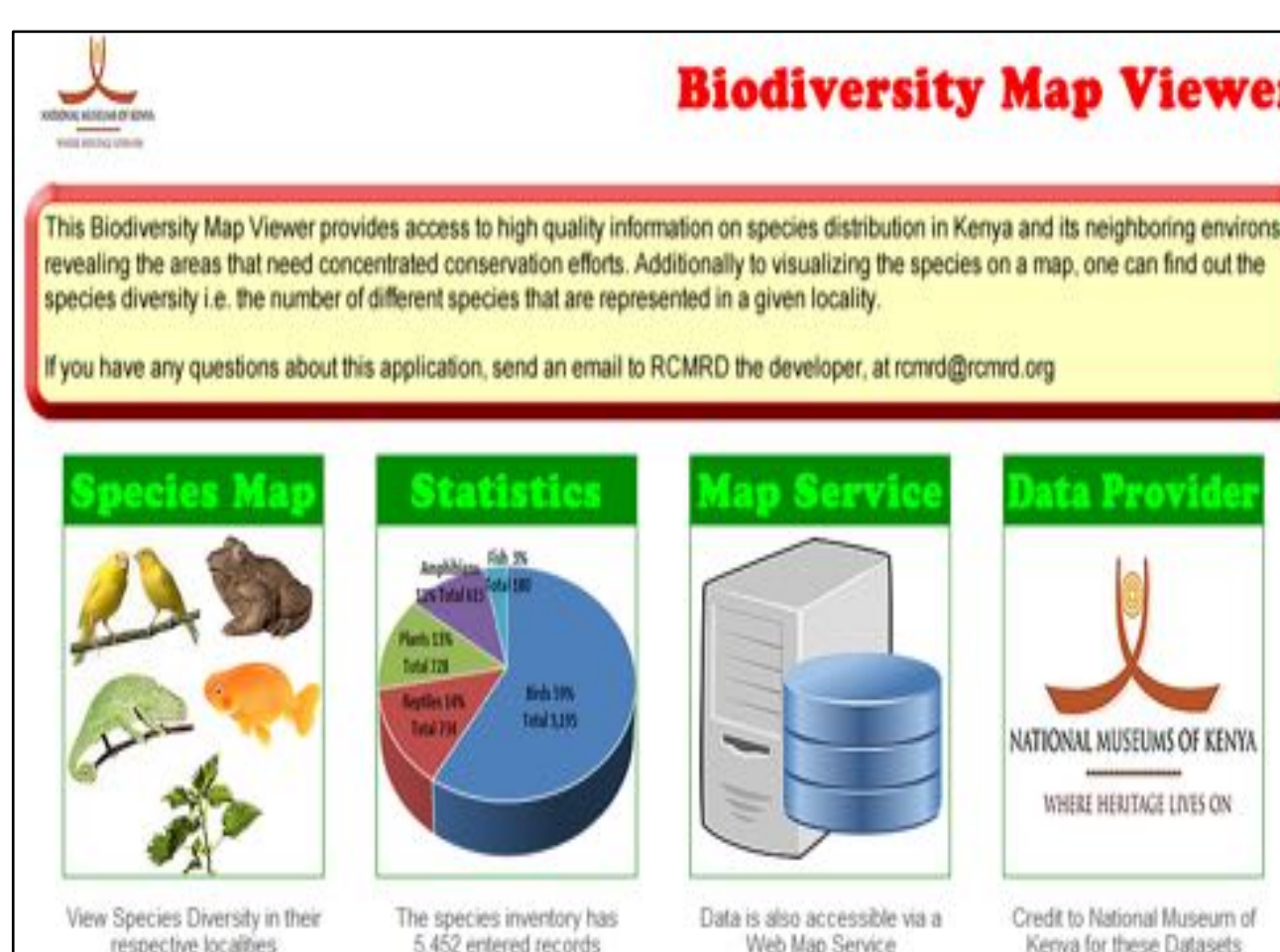### Tools Developed to Address Users Needs

Malawi Hazards and Vulnerability Modelling Tool

Land Cover Viewer for 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
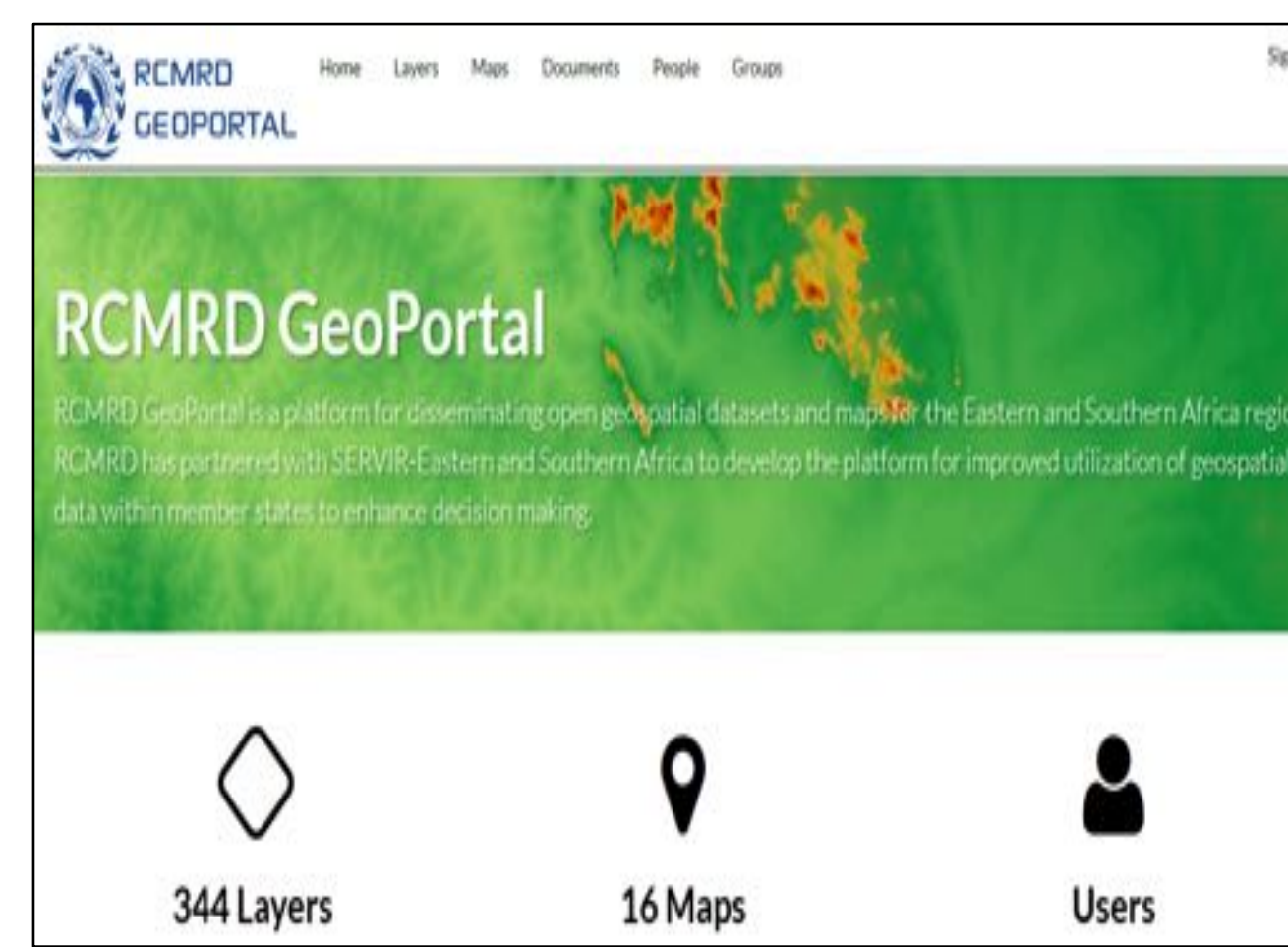

Data Access & Awareness

Apps Portal for accessing tools and applications

Geoportal for Data Discovery and Download

Portal for Publishing Story Maps