

# Bhutan’s National Portal for Geospatial Information

The Bhutan GeoSpatial Portal, the county’s first national portal for geospatial information, was developed collaboratively by the Centre for GIS Coordination (CGISC) and the National Land Commission (NLC), Bhutan, and the International Centre for Integrated Mountain Development (ICIMOD). The portal serves as a one-stop gateway for users across Bhutan to discover, access, and share geospatial data and information. It takes Bhutan a step closer to fulfilling its vision of setting up coordinated national spatial data infrastructure.

The portal shares maps, data, and information to enhance awareness about data availability and improve access to geospatial information and applications.

The portal was launched to commemorate the third wedding anniversary of Bhutan’s King and Queen. Her Majesty The Gyaltsuen launched the portal on 13 October 2014, during the Bhutan GIS Expo at the National Land Commission (NLC) headquarters in Thimphu.



Her Majesty The Gyaltsuen graced the launch of the portal at the Bhutan GIS Expo in Thimphu in 2014.

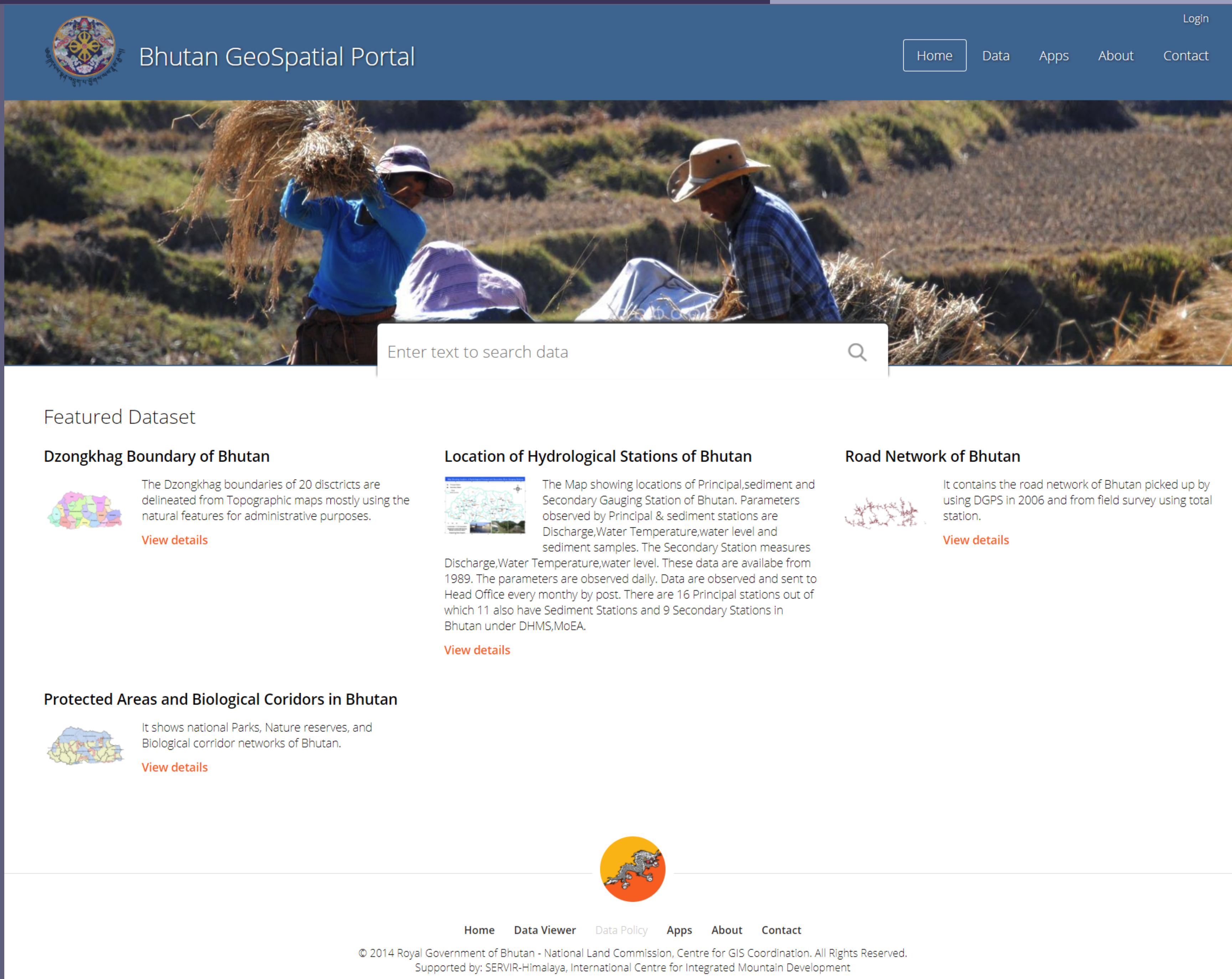
Currently, the portal provides access to eight applications:

Bhutan Data Viewer	An interactive web mapping application to view geospatial data arranged in various thematic areas
Road Planner	An interactive web mapping application to support planning of farm road construction in Bhutan
Bhutan Cadastral Mapping	A web mapping application for locating land parcels in given Gewogs and Dzongkhags based on Thrarm and Plot ID information
Glacier Dynamics in the Bhutan Himalaya	Interactive mapping of glacier dynamics in Bhutan for 1980, 1990, 2000, and 2010
Forest Fire Detection and Monitoring in Bhutan	A Moderate Resolution Imaging Spectroradiometer (MODIS)-based active fire detection and monitoring system that sends email alerts
Land Cover Dynamics in Bhutan	Statistics on Bhutan’s harmonised land cover database for 1990, 2000, and 2010
Topographic Base Map View	A sample topographic base map view of the southern belt in Bhutan
Samdrup Jongkhar City Addressing App	An app developed to allow concerned citizens of Samdrup Jongkhar city to file Thromde-level reports

The Bhutan GeoSpatial Portal is available at [www.geo.gov.bt](http://www.geo.gov.bt)

## About SERVIR

ICIMOD serves as the Hindu Kush Himalayan hub of SERVIR – a joint development initiative of the United States Agency for International Development (USAID) and the National Aeronautics and Space Administration (NASA). SERVIR promotes and enables the use of Earth observation and geospatial technologies for improved environmental and developmental decision making with the following thematic foci: food security and agriculture; water resources and hydro-climatic disasters; land cover, land use change, and ecosystems; and weather and climate services.



Representatives of the SERVIR-Himalaya team interact with visitors at the first Geo Expo in Thimphu, Bhutan (2014).

## Supporting Informed Decision Making in Bhutan

An initiative under ICIMOD’s Regional Programme on Mountain Environment Regional Information System (MENRIS), SERVIR Hindu Kush Himalaya has developed multiple science applications using Earth observation information to support informed decision-making in Bhutan. Besides developing different geospatial systems tailored to Bhutan, SERVIR Hindu Kush Himalaya has organized multiple trainings and awareness-building activities to develop awareness and encourage the use of Earth observation systems and tools in the country.

More at [servir.icimod.org](http://servir.icimod.org)



Students observe a three-dimensional model of Bhutan.

