



FEED^{THE}**FUTURE**

The U.S. Government's Global Hunger & Food Security Initiative

BARRIERS

AGRICULTURAL REGULATION IN NEPAL



USAID
FROM THE AMERICAN PEOPLE



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

BARRIERS TO AGRICULTURAL REGULATION IN NEPAL

National agricultural systems are hierarchically organized

District > VDC (village development community)
> Cooperatives

This is the route of subsidized fertilizer, micro-finance, and government ag advisory services

All subsidized fertilizer flows through these channels



USAID
FROM THE AMERICAN PEOPLE



FEED^{THE}**FUTURE**

The U.S. Government's Global Hunger & Food Security Initiative

RESOURCES

DATA SETS

GEONODE

TECHNICAL and BUSINESS SUPPORT

<http://datadrivenfarming.challenges.org/resources/>



USAID
FROM THE AMERICAN PEOPLE



DATA SETS (GENERAL TO TIMELY AND CONTEXT SPECIFIC) DATA

Data sets

Entrants might find below data sets useful in developing their ideas.

The data sets have been organised in the following categories:

Nepalese Data, Global Agriculture, Open Data Portals, Food & Nutrition.

Examples:

CIMMYT 2016 Rice Survey

Nepalese Data sets

Georeferenced crop cut yield measurement, agronomic measurement, and socio-economic measurement data.

Source: CYMITT

For the link contact

Shashish.MAHARJAN@cgiar.org

Government of Nepal Soil Data

Nepalese Data sets

Georeferenced soil data for selected geographies of Nepal.

Source: Government of Nepal/CIMMYT

For the link contact

Shashish.MAHARJAN@cgiar.org



CIMMYT DATA RESOURCES AND AVAILABILITY

Agronomic datasets

- 1000+ Georeferenced crop-cut data

 - Rice and wheat

 - Includes socio-economic data

- National soil data archive

- National agricultural production data

 - Multiple crops

 - Low spatial resolution

- Weather data

 - Rainfall, temp, and other meteorological data from 1956 to 2014

CIMMYT will post data to the Data-Driven Farming Prize Geonode.



DATA COMPILATION AND FILTERING

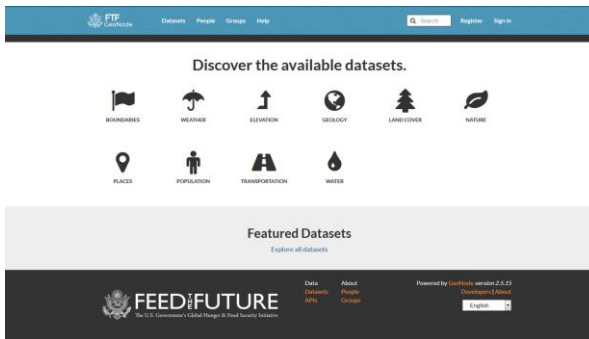


The screenshot shows the FTF GeoNode website. At the top, there is a navigation bar with the FTF GeoNode logo, links for Datasets, People, Groups, and Help, a search bar, and links for Register and Sign in. The main content area features a large background image of a rural landscape with a winding road. The text reads: "FTF GeoNode" in large white letters, followed by a paragraph: "The Data Driven Farming Prize is seeking tools and approaches that source, analyze and translate data into actionable, timely and context-specific information for smallholder farmers to improve value from agricultural productivity. The FTF GeoNode provides open data and APIs to support these efforts." Below this is a link: "Need help? Getting started". A dark grey section below contains the text "Search for Data." and a search input field with a magnifying glass icon and the word "Search". Below the search field is a link for "Advanced Search".

Discover the available datasets.

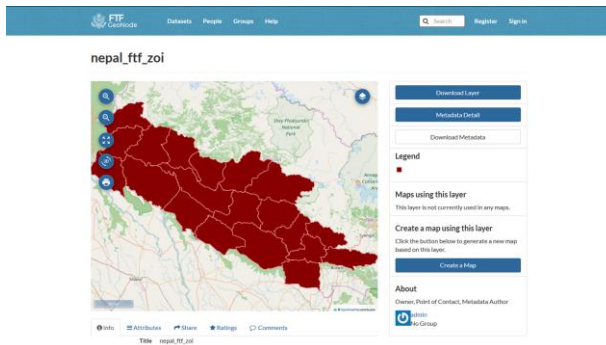


SOME EXAMPLES



The Data-Driven Farming GeoNode has aggregated partner and external datasets on topics including weather, topography, population density, roads, political boundaries, etc.

You can use GeoNode to view, layer, and filter different data sets to answer some of the key farmer questions and needs.



Example: “How to bring products to market?”
Layer datasets on Feed the Future Zones of influence, roads, markets, and landslides to identify promising routes.



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

TECHNICAL AND BUSINESS SUPPORT

Microsoft Innovation Center, Nepal:

For 10 finalists:

- **Access to cloud services:** Microsoft BizSpark is a global program that helps startups succeed by giving them free access to Microsoft Azure cloud services, software, and support. BizSpark startups receive five Visual Studio Enterprise with MSDN subscriptions, each with a \$150 monthly Azure credit. This totals \$750/month across all five developers to spend on Azure services. These benefits are available for one year.
- **Mentoring support**



USAID
FROM THE AMERICAN PEOPLE