



# WORLD SUSTAINABLE DEVELOPMENT SUMMIT 2025

PARTNERSHIPS FOR ACCELERATING SUSTAINABLE DEVELOPMENT AND CLIMATE SOLUTIONS

March 5-7, 2025

India Habitat Centre, New Delhi



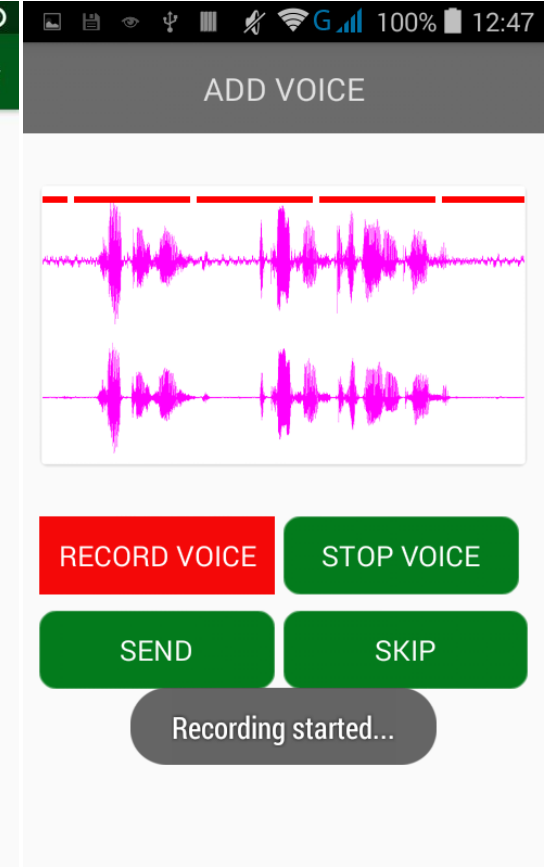
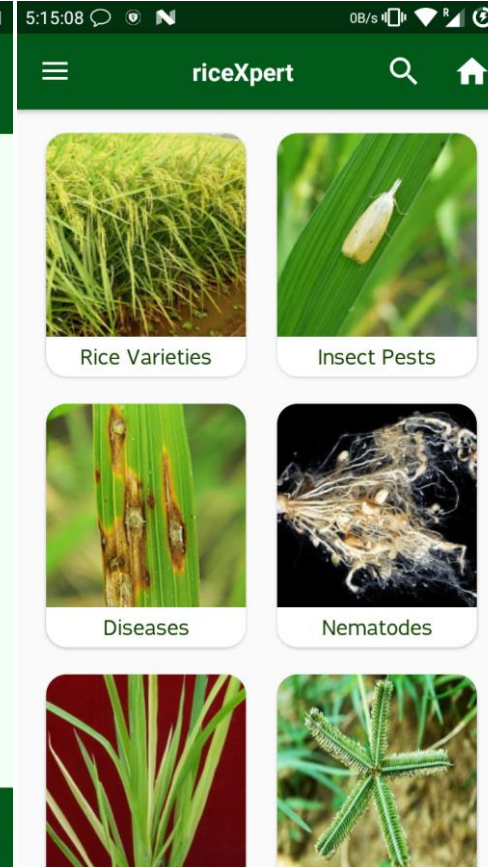
**Building A Global AgriStack: Boosting climate resilient agriculture and food security through digital public goods and infrastructure**



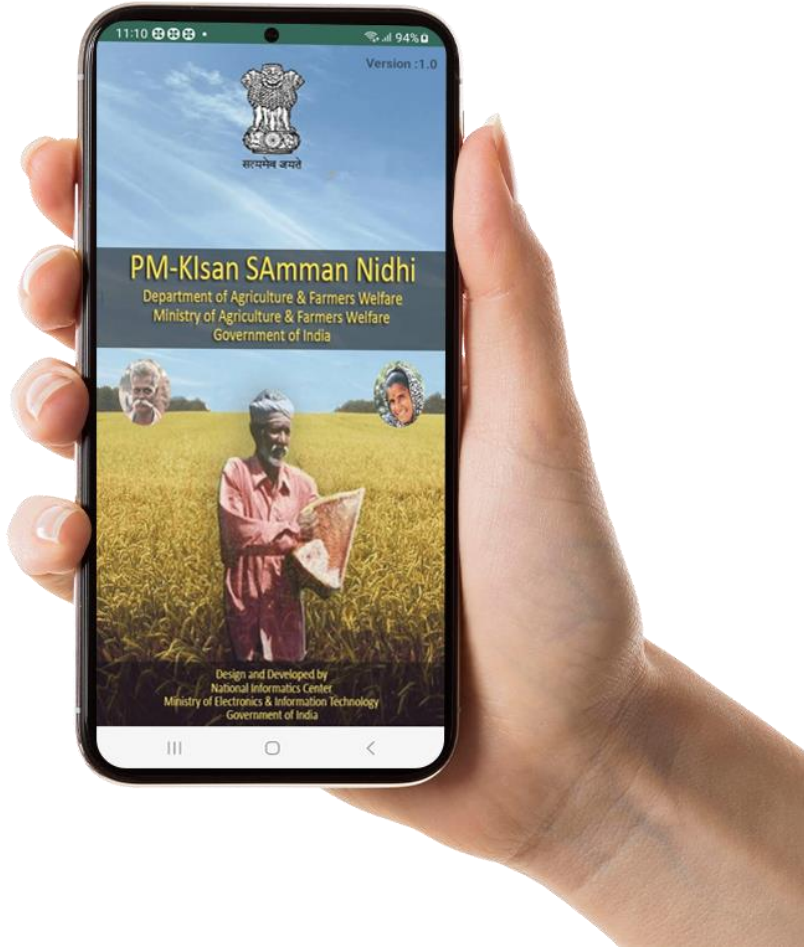
# Unboxing the “Global AgriStack”



# RiceXPert



# PM- KISAN



11:24 96%  
← New Farmer Registration

भारत सरकार  
GOVERNMENT OF INDIA  
कृषि एवं किसान कल्याण मंत्रालय  
MINISTRY OF AGRICULTURE & FARMERS WELFARE  
Skip to Main Content

**PM KISAN SAMMAN NIDHI**  
Department of Agriculture and Farmers Welfare  
Ministry of Agriculture and Farmers Welfare  
Government of India

INTERNATIONAL YEAR OF MILLETS 2023  
G20  
आज़ादी का अमृत महोत्सव

**NEW FARMER REGISTRATION FORM**  
English

Back

Rural Farmer Registration  Urban Farmer Registration

Enter Aadhaar No

Mobile Number

11:25 96%  
← Login

Login Type  
Beneficiary

Registration Id

Registration Id  
ABCD1234

Resend OTP in : 39 Sec

Enter OTP

Login

11:28 96%  
← Dashboard

Beneficiary's Name : Sample Name  
DOB : 01 Sept 1989  
Mobile No :  
Registration Id : ABCD1234  
0000000000  
Address :

Status  
Land record seeding status : NO  
Bank account linking aadhaar status : Pending for verification

Your eKyc is pending for completion.  
[Click here to complete your e-KYC.](#)

# DiCRA – Data in Climate Resilient Agriculture



Product Solutions Resources Open Source Enterprise Pricing

undpindia / dicra Public

Code Issues Pull requests 19 Discussions Actions Projects Security Insights

main 8 Branches 0 Tags

Go to file Code

**Maneesh7012** Merge pull request #102 from undpindia/feature-mobileview 2733272 · 3 months ago 1139 Commits

.anima	added documentation	8 months ago
.github/workflows	Change workflow path	3 years ago
analytics	FarmBoundary Test	2 years ago
automation	script updated	2 years ago

About

Data in Climate Resilient Agriculture (DiCRA) is a collaborative digital public good which provides open access to key geospatial datasets pertinent to climate resilient agriculture. These datasets are curated and validated through collaborative efforts of hundreds of data scientists and citizen scientists across the world.

### DiCRA Odisha

Data in Climate Resilient Agriculture

#### Layers

- Socio-Economic
- Environmental
- Infrastructure
- Positive & Negative Deviance

#### SOCIO-ECONOMIC

























- Normalized Difference Vegetation Index (NDVI)
- Leaf Area Index (LAI)
- Relative Wealth Index
- Normalized Difference Water Index
- Population
- Crop Type
- Crop Intensity
- Croplands
- Crop Stress
- Land Use/Land Cover

#### Crop Type

- Irrigated-DC-rice-rice/pulses
- Irrigated-DC-pulses/maize-maize
- Rainfed-SC\_pigeonpea/groundnut
- Rainfed-SC-millet
- Rainfed-SC-pulses
- Mixed crops
- Irrigated-TC-pulses/rice-rice
- Rainfed-supplemental-DC-cotton
- Rainfed-SC-cotton/groundnut
- Rainfed-DC-sorghum-chickpea/fallow
- Rainfed-SC-rice-fallow
- Other LULC

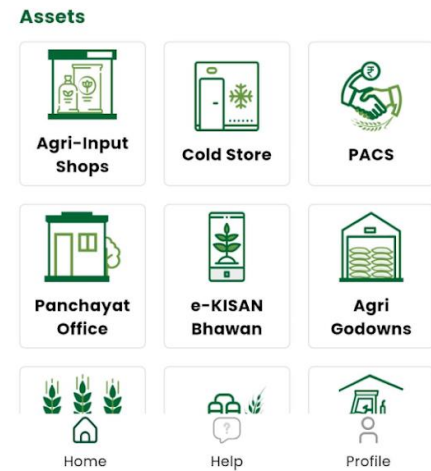
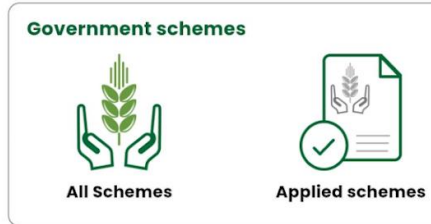
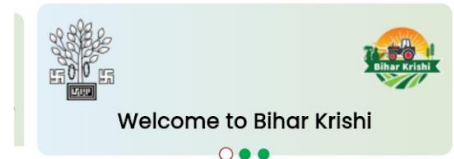


# DiCRA in the DPGA Registry

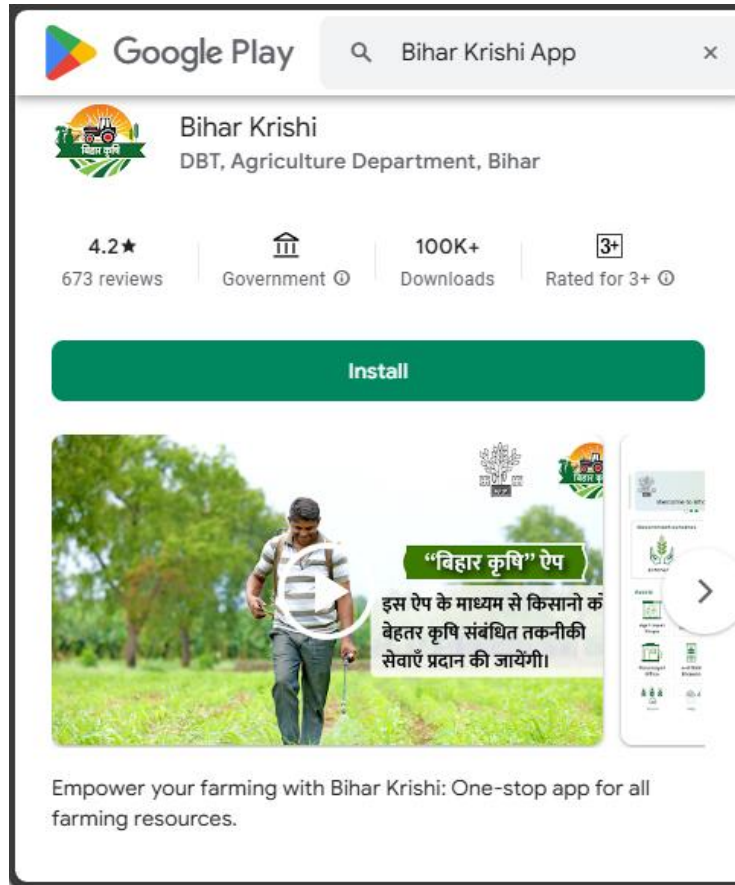
	<p><b>Harmony</b> United States of America</p> <p>Software</p>	<p>Harmony is an open-source, end-to-end data integration and advanced analytics platform for integrating, harmonizing, analyzing, and visualizing any number of structured data sources from different sectors (e.g. health, education, agriculture, sustainable development, climate change adaptation), rang...</p>		
	<p><b>VIPS</b> Norway</p> <p>Software</p>	<p>Open platform for automatic pest prediction in agriculture created by NIBIO, Norway</p>		
	<p><b>AGRIS Open Data Set</b> Italy</p> <p>Open Data</p>	<p>The AGRIS Open Data Set is the Open Data serialization of a big subset of the AGRIS database, one of the most comprehensive catalogs of food and agricultural scientific literature providing free access to more than 13,000,000 bibliographic records in more than 100 languages.</p>		
	<p><b>Agrontology</b> Italy</p> <p>Open Data</p>	<p>Agrontology is a description vocabulary defined in the Web Ontology Language (OWL) providing a set of domain-specific properties for agri-food concepts. It is used for instance in the AGROVOC thesaurus to express domain-specific relations between concepts.</p>		
	<p><b>Register for Organic Agriculture</b> Albania</p> <p>Software</p>	<p>ROA is an innovative software tool designed to simplify the record-keeping process for farmers and agribusinesses, ensuring compliance with organic standards and EU Regulation 2018/848 for organic agriculture.</p>		
	<p><b>DiCRA</b> India</p> <p>Software</p>	<p>Data in Climate Resilient Agriculture (DiCRA) is a collaborative geospatial platform which provides open access to key geospatial datasets pertinent to climate resilient agriculture. These datasets are curated and validated through collaborative efforts of a large community of data scientists and ci...</p>		
	<p><b>Avni</b> India</p> <p>Software</p>	<p>Community service and data collection platform on any domain - Health, Education, Sanitation, Water, Waste, Agriculture, Social Security</p>		
	<p><b>FAO Digital Services Portfolio</b> Italy</p> <p>Open Content</p>	<p>FAO Digital Services Portfolio offers access to useful data, information, maps, and statistics on food and agriculture to achieve food security. AgriMarketplace - gives farmers the opportunity to know the approximate prices of each product in the surrounding markets, as well as the routes to reach...</p>		



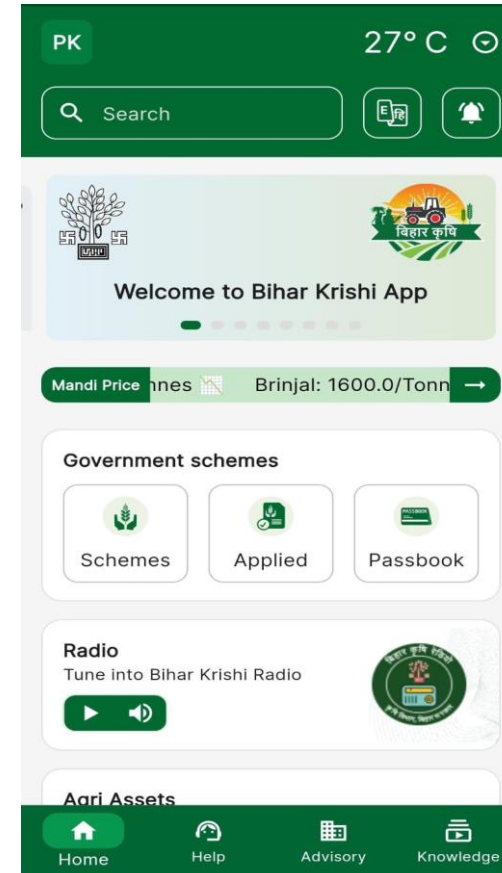
# Bihar Krishi



# Features and screens (1/3)



Bihar Krishi has around 550,000+ downloads with 4 star+ rating

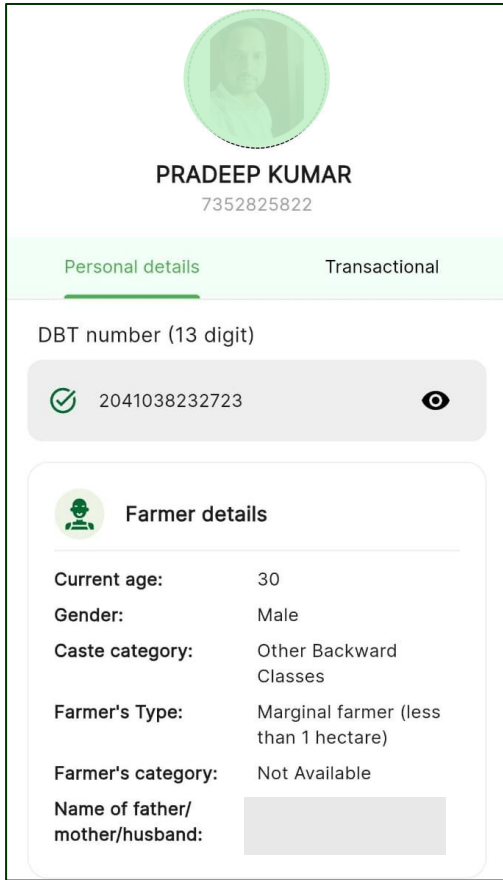


Home Page

- News
- Notifications
- Knowledge
- Help (Grievance, Call Center)

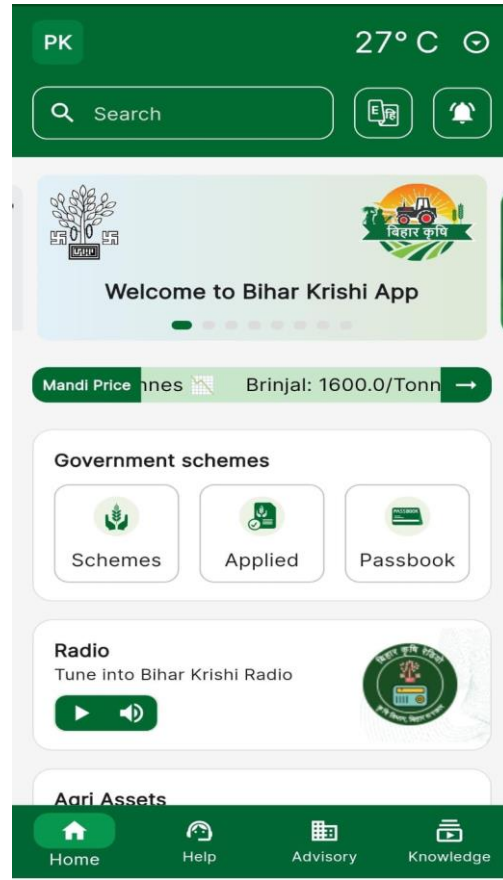


# Features (2/3)



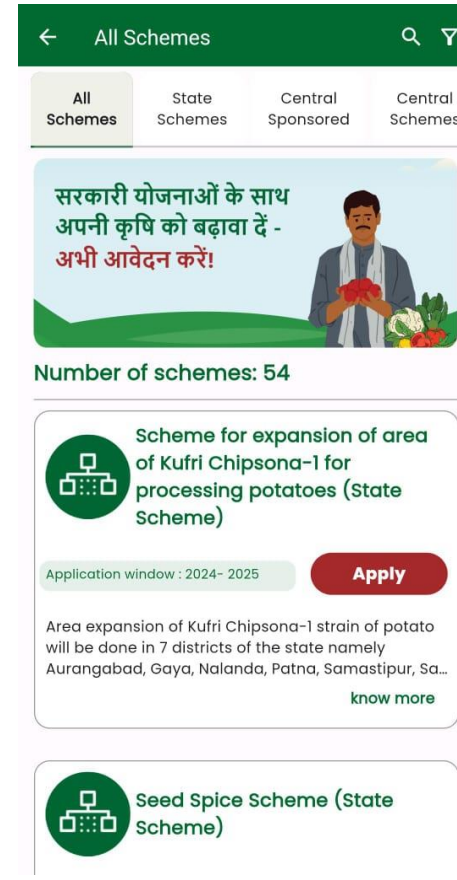
## Farmer Profile

- Demographic details
- Crop Sown details
- Land details
- Transactions



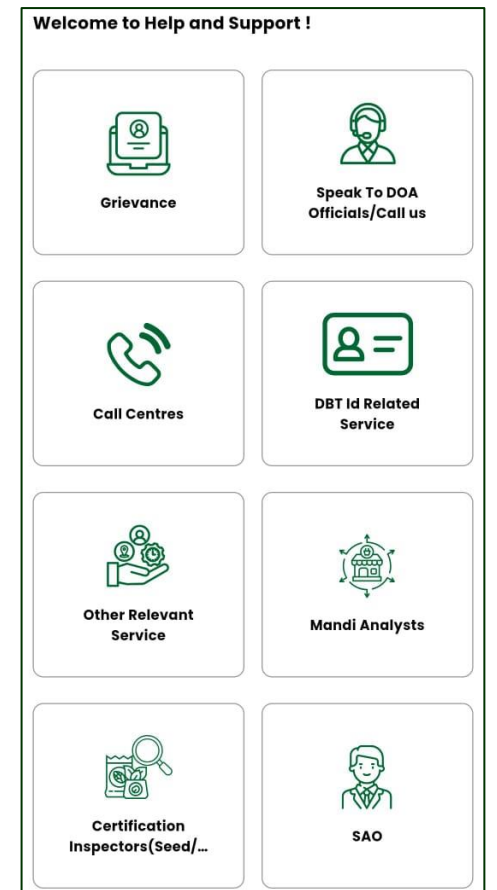
## Home Page

- All government schemes & Passbook
- Knowledge
- Agri Assets



## Govt. Schemes

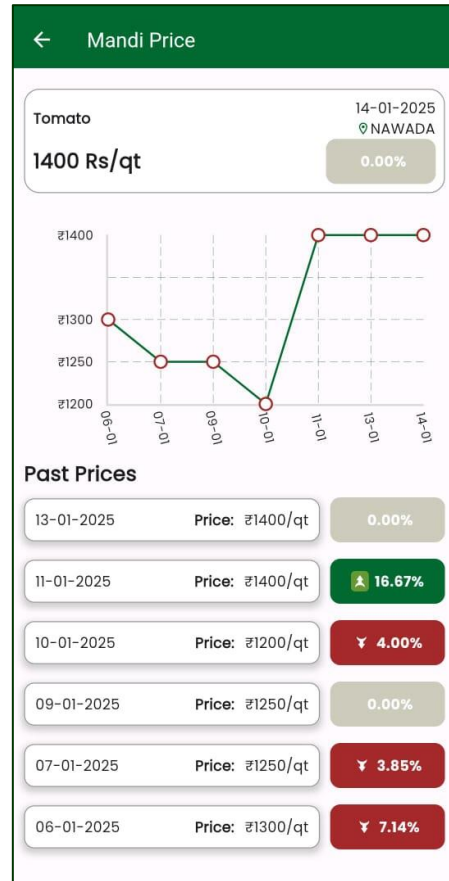
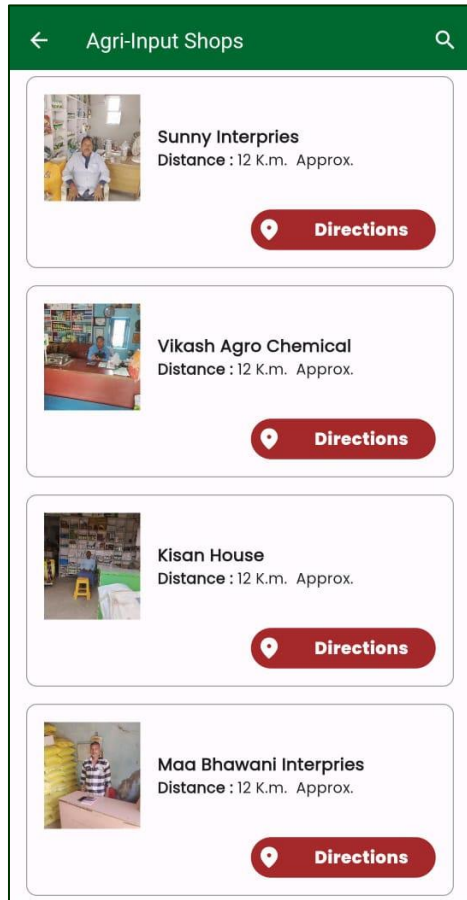
- Central Govt. Schemes
- State Govt. Schemes
- Farmer Passbook



## Help

- Important Contacts
- Call Center
- Grievances

# Features (3/3)



**Advisory Service**  
Select an item from the list below.

- Agri Tips
- Soil Health
- Mandi Price

**3 Days Weather Forecast**

4	34°	56.9%	4.6m/s	W
March	/11°	Humidity	Wind Speed	Wind Direction
5	32°	56.9%	4.7m/s	W
March	/11°	Humidity	Wind Speed	Wind Direction
6	30°	56.9%	2.8m/s	S
March	/11°	Humidity	Wind Speed	Wind Direction

Source: Bihar Mausam Sewa Kendra

**Plant Protection**

- Package of Practices
- Plant Protection Info

Please choose an item from the list provide below

- Crops
- Fruits
- Vegetables

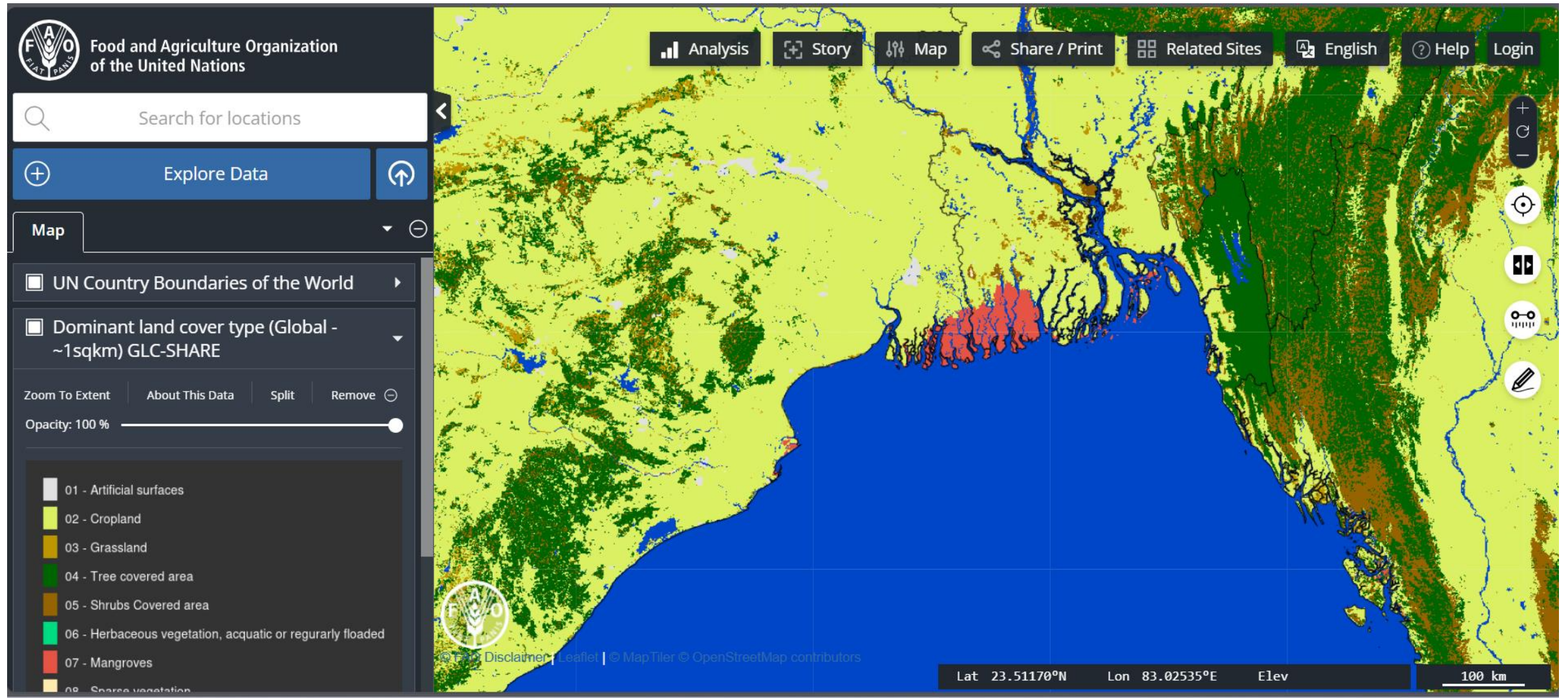
## Market Linkages

- Input Dealers, FPOs
- Mechanization Centers & KVKS
- Market Prices
- Warehouses & Food processing units

## Advisory - Crop & Weather

- Agri Best Practices
- Plant Protection Advisory service
- Soil Health
- Weather forecast

# Hand-in-Hand Platform



# FAO in the DPGA Registry



Home > DPG Registry

## DPG Registry

All DPGs have been reviewed to ensure they meet the requirements of the DPG Standard. DPG status is valid for a period of one year from its approval, after which they must be reassessed to ensure they remain compliant with the DPG Standard.

 **191**  
Digital Public Goods

[The DPG Standard](#)

[Joining the Registry](#)

[Integrate with Registry](#)



### FAO Digital Services Portfolio

Italy

[Open Content](#)

FAO Digital Services Portfolio offers access to useful data, information, maps, and statistics on food and agriculture to achieve food security. AgriMarketplace - gives farmers the opportunity to know the approximate prices of each product in the surrounding markets, as well as the routes to reach...



### FAOLEX

Italy

[Open Content](#)

FAOLEX is a comprehensive and up-to-date legislative and policy database of national and regional laws, regulations and policies on food, agriculture and natural resources management.



### FAO Agricultural Stress Index System

Italy

[Open Data](#)

The Agricultural Stress Index System (ASIS) monitors agricultural areas with a high likelihood of water stress/drought at global, regional and country level, using satellite technology.



### AGROVOC Multilingual Thesaurus

Italy

[Open Data](#)

AGROVOC is a thesaurus of 41,000+ agricultural concepts and relationships in up to 42 languages, available for public use to facilitate access and interoperability of data across institutions and languages. It is maintained by several institutions coordinated by FAO.



### WaPOR

Italy

[Open Content](#)

The FAO portal to monitor water productivity through open access of remotely sensed derived data.



# AgriStack



GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE  
AND FARMERS WELFARE

Driving Indian Agriculture Forward Through Innovation

# AgriStack

A Farmer-Centric  
Digital Public  
Infrastructure (DPI)

Enabling Efficient, Easier and Faster Service and  
Scheme Delivery to Farmers

Key Components:



Farmer's  
Registry



Geo-referenced  
Village Maps



Crop Sown  
Registry



## SUPPORTING REGISTERIES IN AGRISTACK



Farmers  
registry



Geo-referenced  
village maps



Crop sown  
registry

moneycontrol f X @ < a href="https://www.linkedin.com">in < a href="https://www.youtube.com">yt



# Plant Clinic





**NIBIO**  
NORSKI INSTITUTT FOR  
BIOØKONOMI





Norwegian Embassy  
New Delhi



প্রিয় কৃষক বন্ধু!  
কৃষি সম্বন্ধীয় তথ্যের বাবে যোগাযোগ করুন





**HELP LINE**

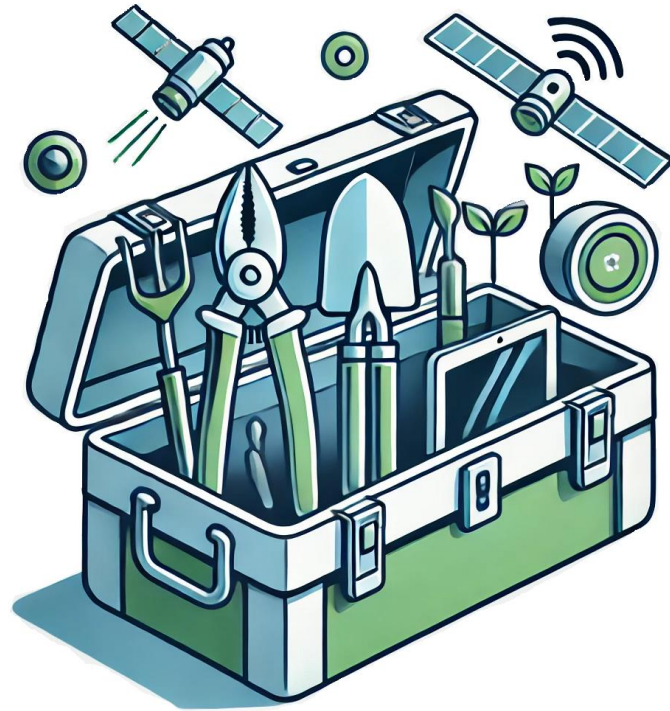




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# The “Global AgriStack” Unboxed





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