

User Guide DiCRA

Data in Climate Resilient Agriculture

mistEO

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Introduction

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. The pattern detection and data insights emerging from DiCRA are aimed towards strengthening evidence-driven policy making for climate resilient food systems. DiCRA is guided by the digital public good principles of open access, open software, open code, and open APIs.

The platform is facilitated by Government of Telangana and UNDP, in collaboration with Zero Huger Lab (Netherlands), JADS (Netherlands), ICRISAT, PJTSAU, and RICH. It is part of UNDP's 'Data for Policy' initiative supported by Rockefeller Foundation.

Purpose of the document

This document is aimed at serving as a guide for users of the DiCRA Web Platform. The manual covers various modules which will help the user to use the application.

For further information

To know more about this application, or for suggestions / feedback, please contact:

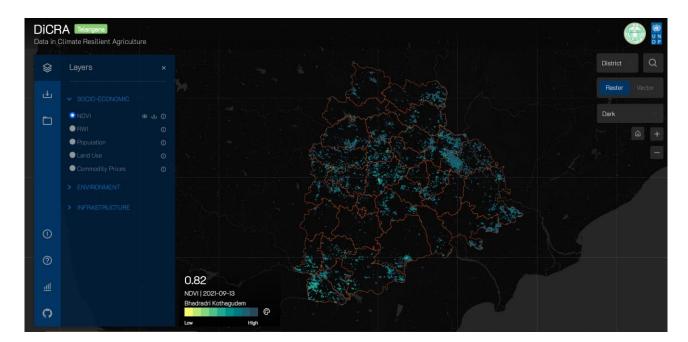
DiCRA Support Team, Accelerator Lab, UNDP India (acceleratorlab.in@undp.org)

Disclaimer

Best effort has been put to ensure that the content of this document is in sync with the actual product, however, since software products can undergo multiple changes, hence it is not guaranteed that this document aligns with the latest product version. Certain administrative features can result in modification or deletion of the data permanently from the repository; hence the user / administrator of this product must exercise utmost care with required knowledge to execute such actions. The creator or owner of this document does not accept any liability of any untoward repercussions arising out of the product usage or information mentioned in this document. All the rights of this document lie with the owner of the above-mentioned digital product.

1. Getting Started

- a) Open any installed browser on your desktop
- b) Go to https://dicra.undp.org.in/
- c) You will enter the Portal and dashboard will appear.



2. Menu

The portal has menu options as listed below.

- a) Layers
- b) Downloads
- c) Use cases
- d) About project
- e) Help
- f) Analytics

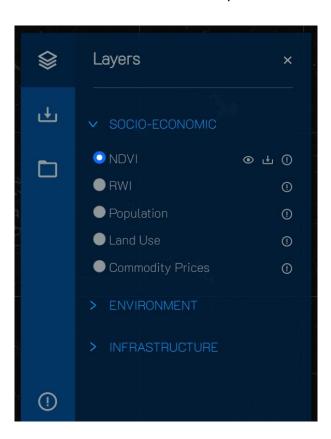
3. Layers

The main landing page has the option to select layers. Based on the selection you will be able to see visualisation of the spatial layer on top of the map. The layers are listed under the categories it belongs to.

There are 3 icons provided against each layer name.

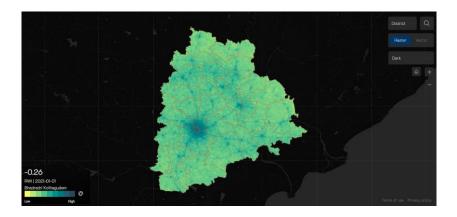


- 1. Visibility icon Turn on/off the layer visibility
- 2. Download icon This will take you to the download page directly for the selected layer.
- 3. Info icon Brief description on the layer



Map

This is the major module where the data visualisation happens. Depends on the data layer, raster and vector visualisation is available.



Map Controls

There are four major map controls

a) Zoom-in, Zoom-out & Home



b) Admin boundary selection

District, Mandal & Custom boundary selections are available. Based on the selection you will be able to see the change in boundary on the map.



'Custom' option can be selected for drawing custom shape. It can be a farm boundary. You can search the location using the search bar.

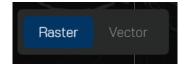
The custom drawing toolbox will be visible when you select 'Custom' option.



- Select 'Draw a polygon' or 'Draw a rectangle'.
- Draw a polygon on the map



- A Detail section will get opened with relevant information about the layer & the shape selected.
- c) Layer type selection Layer type toggle option is available between Raster & Vector (depends on the layers)



d) Base map style selection

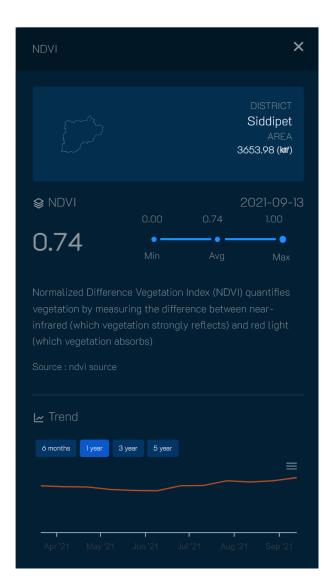
You can select the base map as Dark or Satellite



Details Section

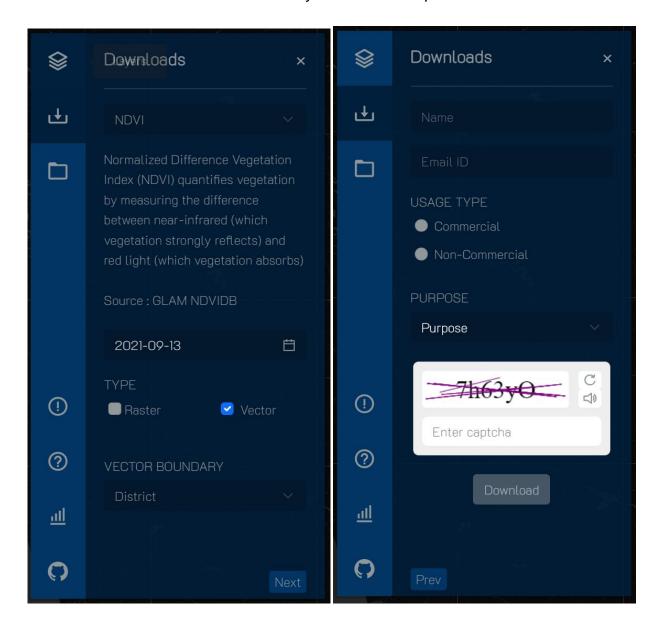
When you click on any shape on the map, a 'Detail' section will get opened. It contains the information such as

- Shape of the boundary
- District / Mandal name
- Area
- Value of a selected layer
- Description
- Source
- Trend (not applicable for all the layers)
- Etc.



Downloads

You will be able to download all the layers used in the portal.



Steps to download a layer

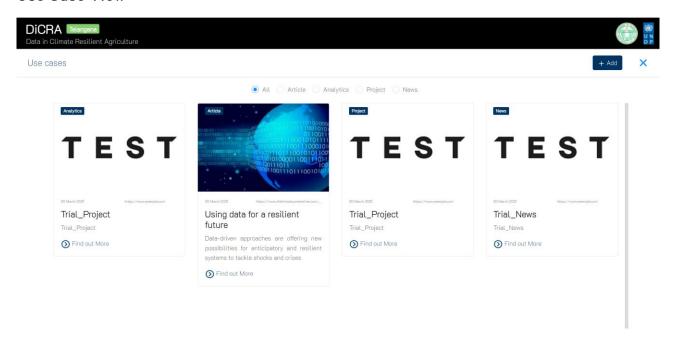
- 1. Select the layer
- 2. Select the date applicable only if the layer has temporal data
- 3. Select type Raster / Vector
- 4. Select boundary applicable only if the user selects vector as the layer type.
- 5. Enter Name User who downloads the data
- 6. Enter Email ID
- 7. Select Usage Type Commercial / Non-Commercial

- 8. Select Purpose Academia, Business, Government use, R&D, Journalistic and Others
- 9. Enter Captcha
- 10. Click Download

Use cases

The application has an option to crowdsource use cases and projects that are actively using datasets curated in the platform.

Use Case View



You can filter the use cases by category. The categories are Article, Analytics, Project & News. Click on the thumbnail & the you will be able to view the content in detail.



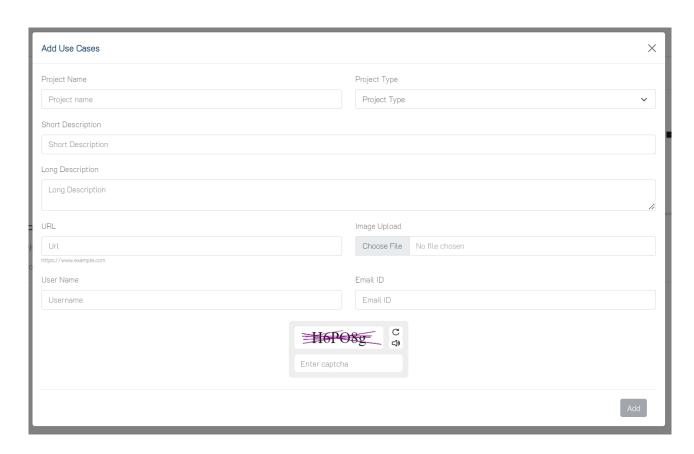
The URL (source link) and the uploader name will be available in this view.

Add Use Cases

The public can list their use cases and projects on DiCRA. To list a use case, you should fill the below form with this information.

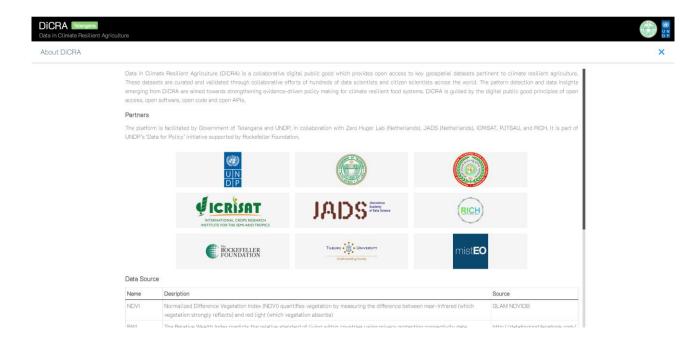
- a) Project Name
- b) Project Type
- c) Short Description
- d) Long Description
- e) URL
- f) Image
- g) Uploader Name
- h) Email ID
- i) Captcha

The listing is based on approval from the admin.



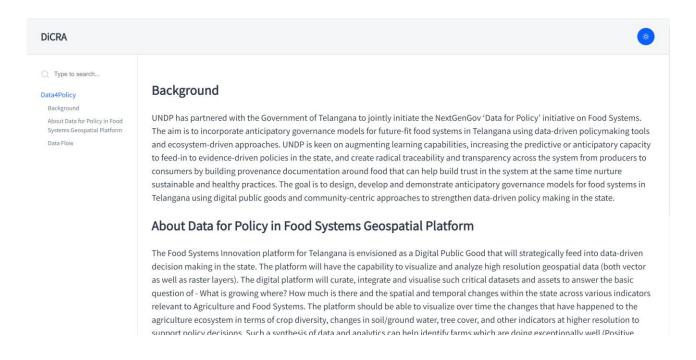
About project

This section has information about the project, partners, and datasets.



Help

The help section has all the project related information and user guides.



Analytics

In the Analytics page, the information related to website traffic like New Users, Sessions, View, Visitors Geography and Engagements etc. are available.

