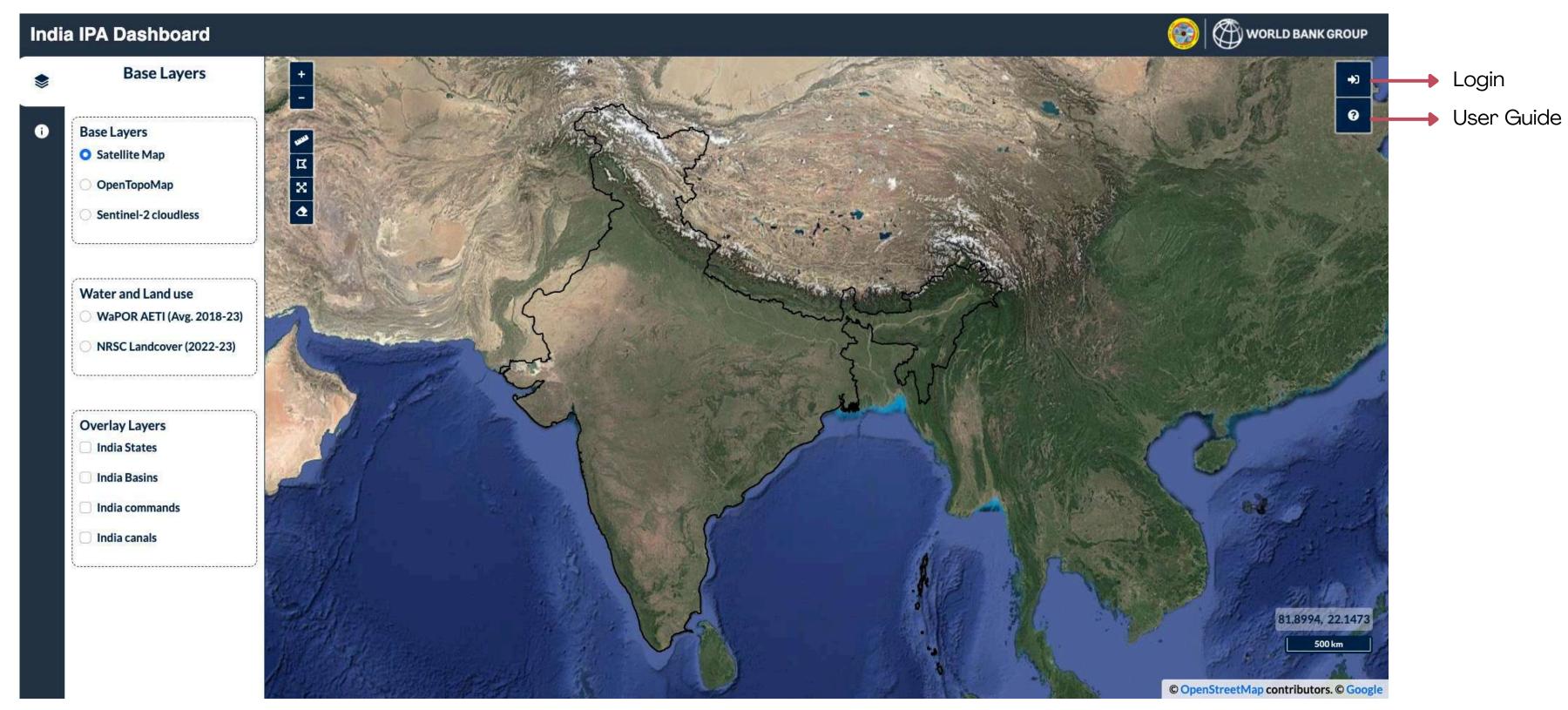




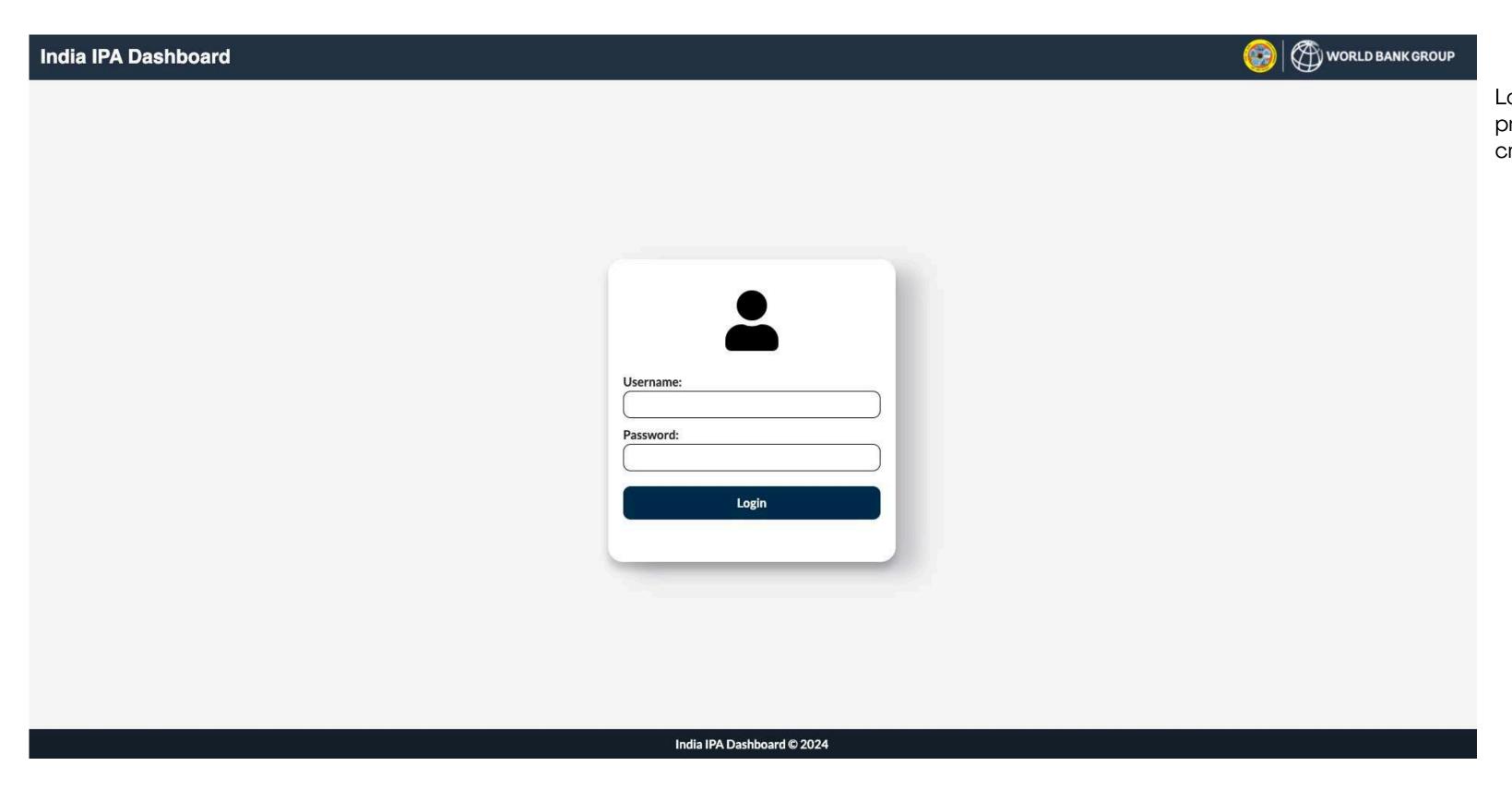
User Guide

India Irrigation Performance Assessment Tool

Home Page



Login Page

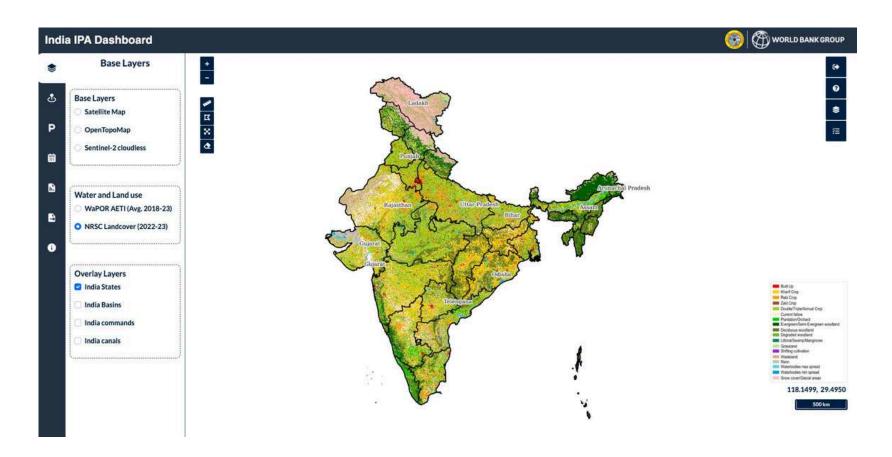


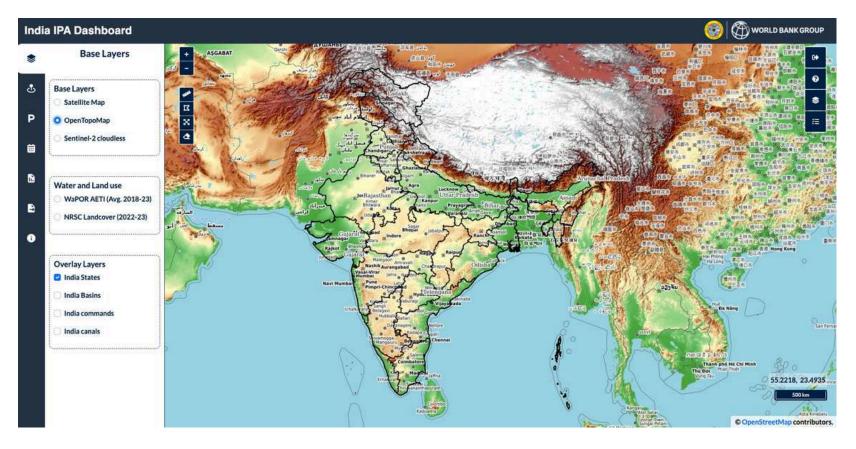
Login using the provided credentials

After logging in, you can access all available options

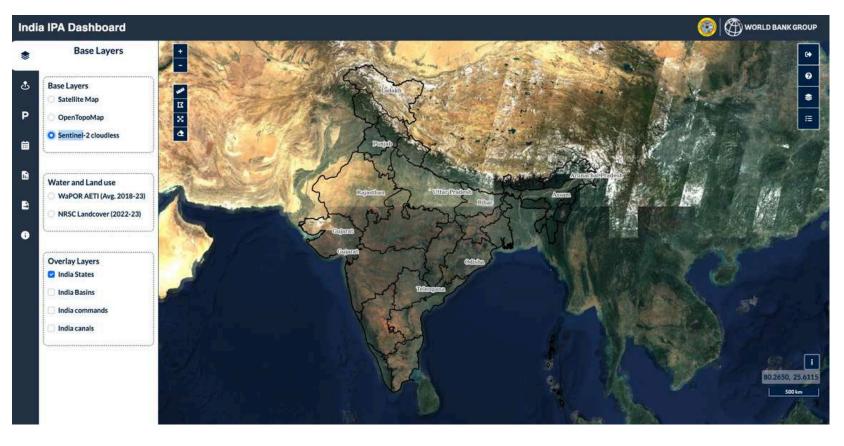


Base maps

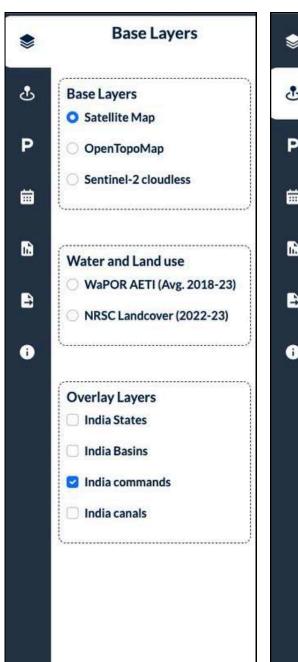


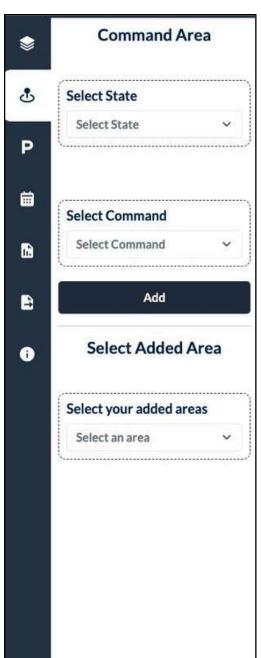




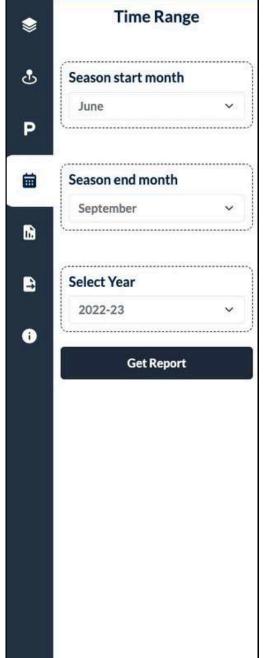


Tool bars

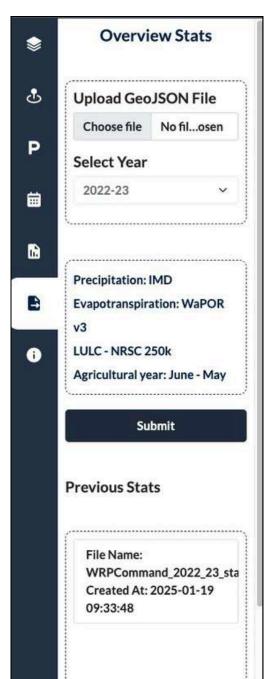


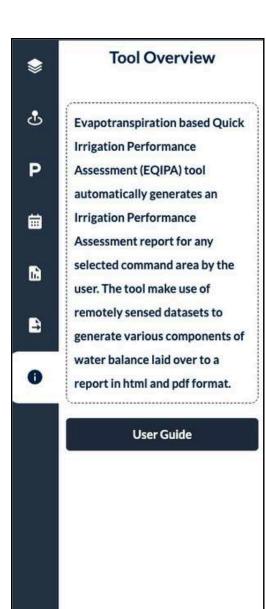












Generate an IPA Report

Step 1: Select a command area

Step 2: Select data products

Step 3: Select year, season start and end month

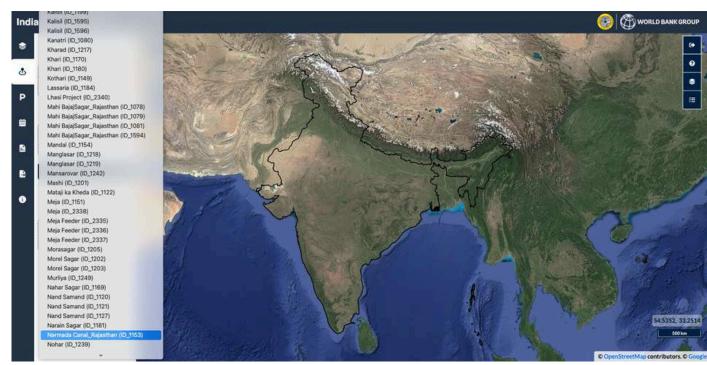
Step 4: Generate report

1. Select and Add Area

1. Select a state



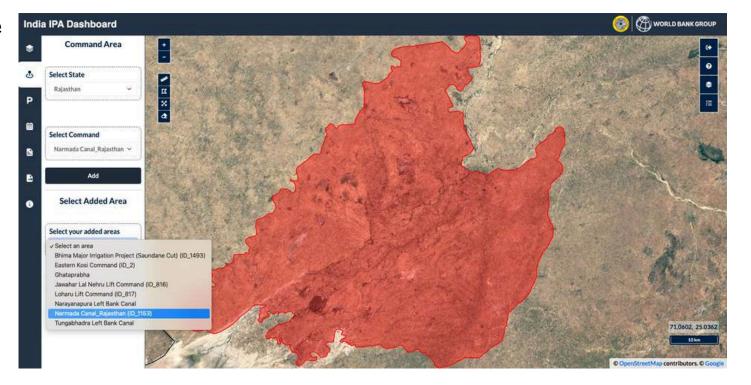
2. Select command area within selected state.



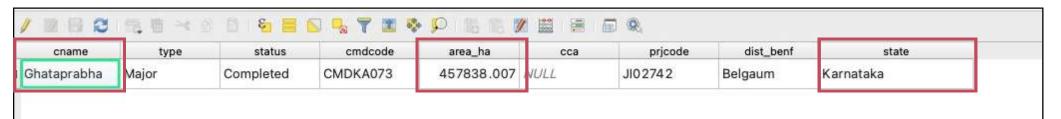
3. Click on Add to save the command in your area.



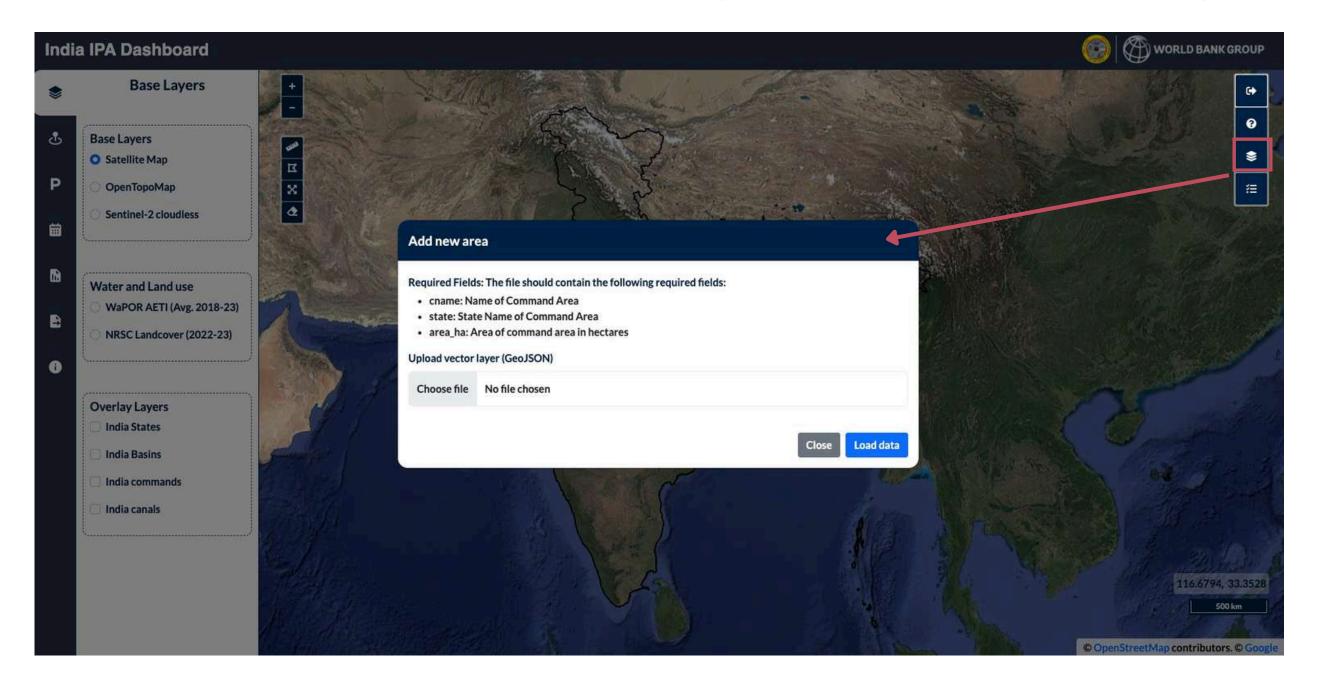
4. Now, choose the added command from your added areas.



- You can also upload an area using a GeoJSON file (ensure it contains only a single feature).
 The file must include the following required fields:
 cname: Name of Command Area
- - state: State Name of Command Area
 - area_ha: Area of command area in hectares



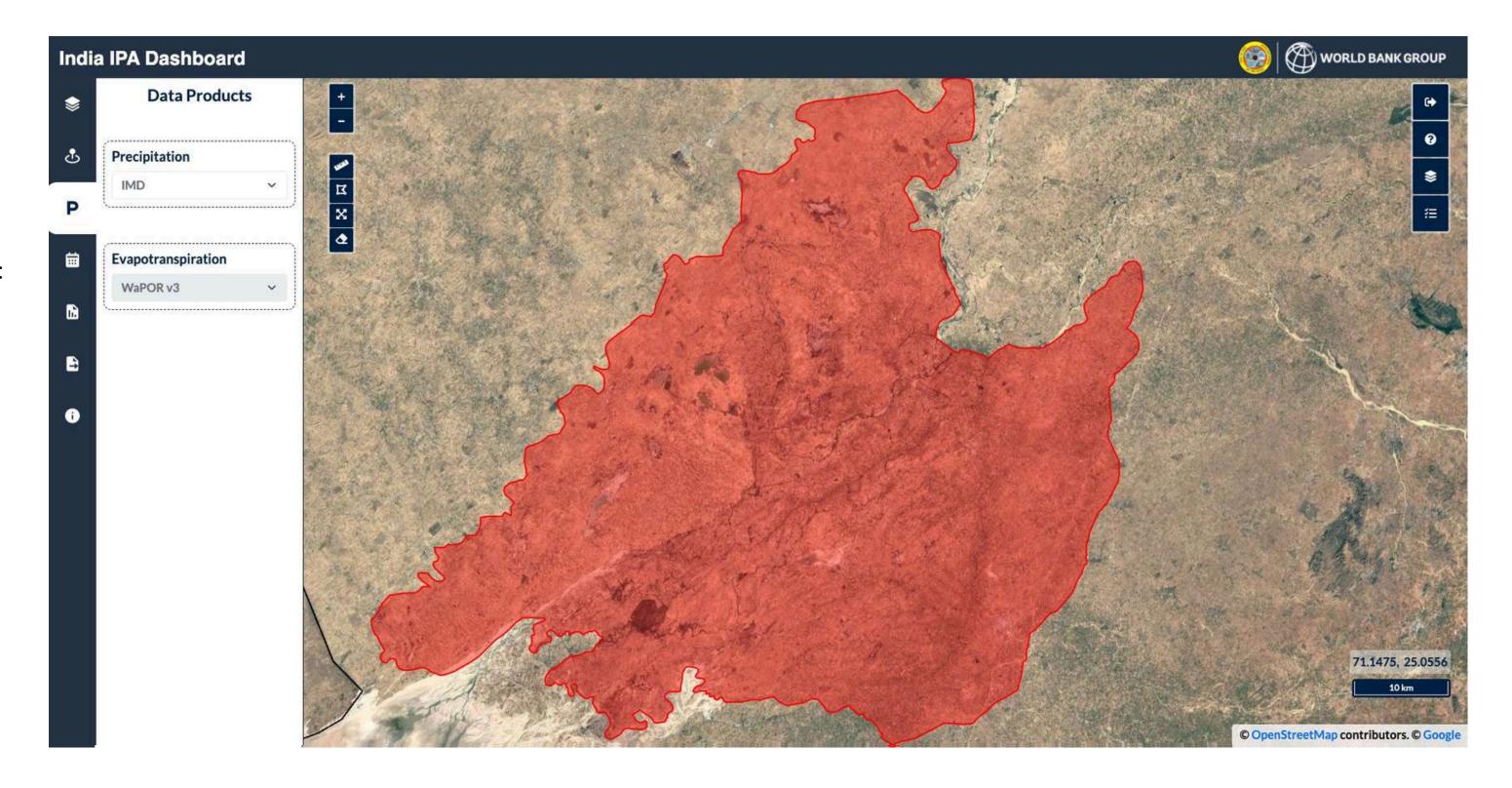
Example attribute table of GeoJSON file to be uploaded



2. Select data products

Precipitation: 1.IMD 2.CHIRPS

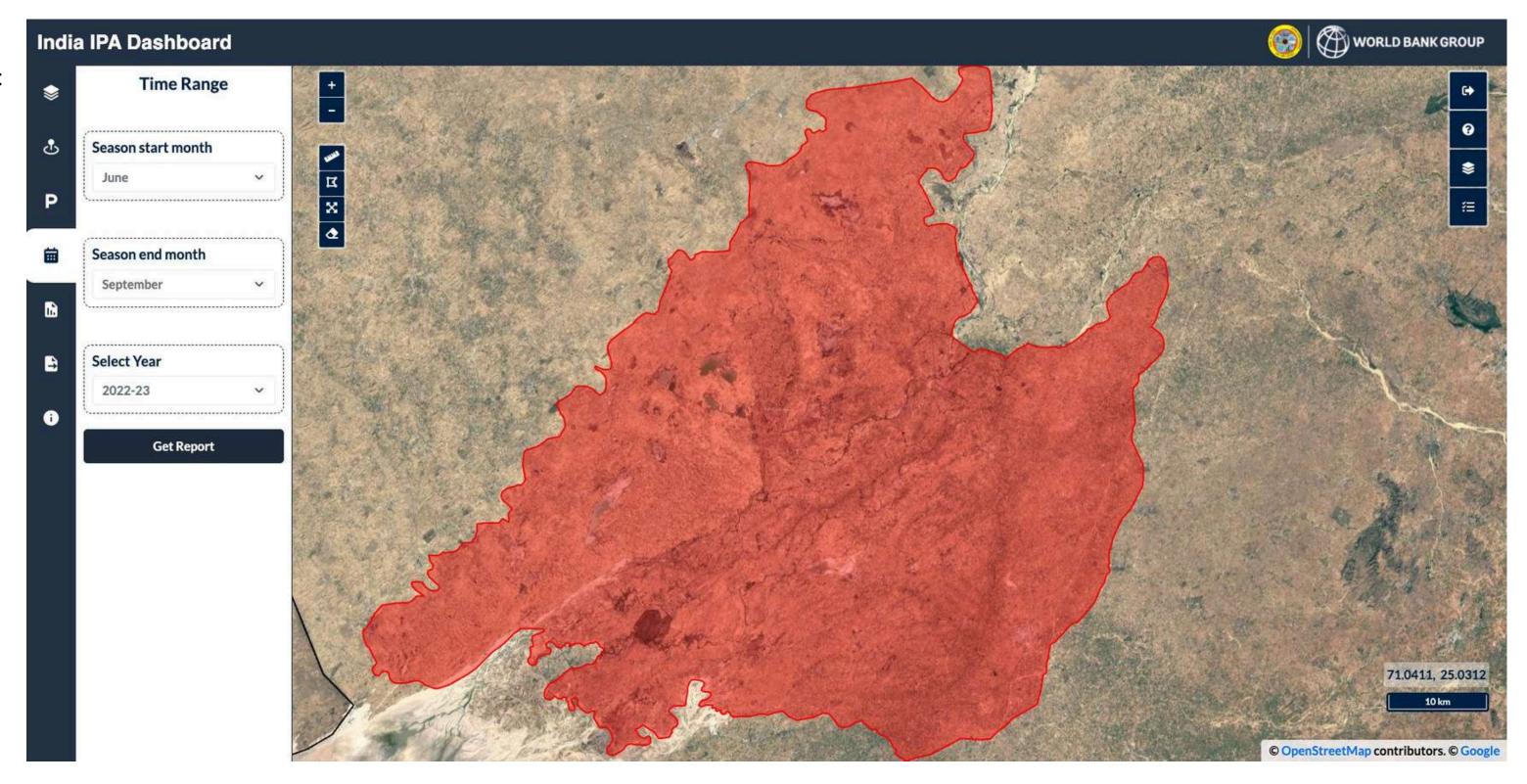
Evapotranspiratio: WaPOR v3



3. Select time range and generate report

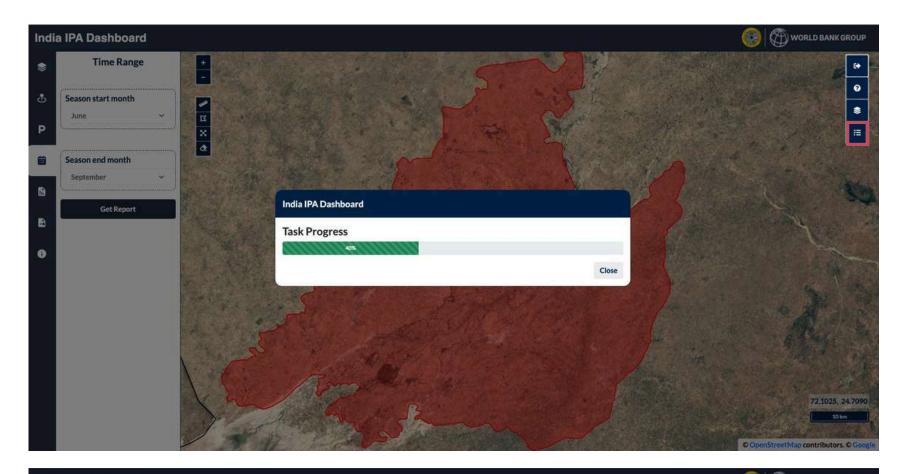
Define season: select season strat and end month

Click on Get Report to generate a report

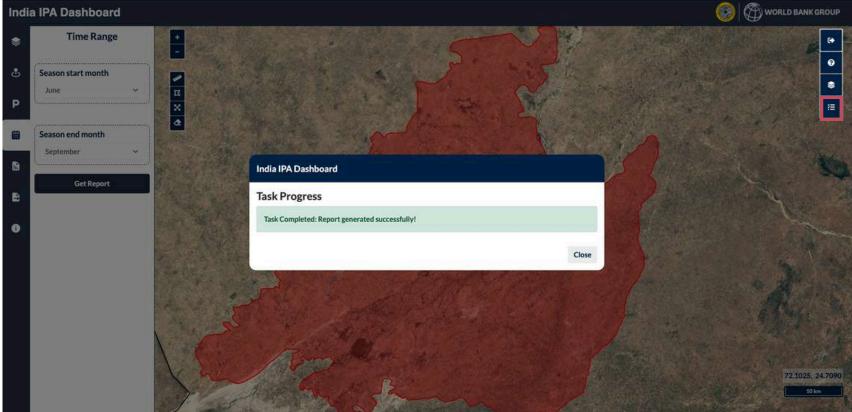


^{*}The agricultural year taken as June - May

Task progress

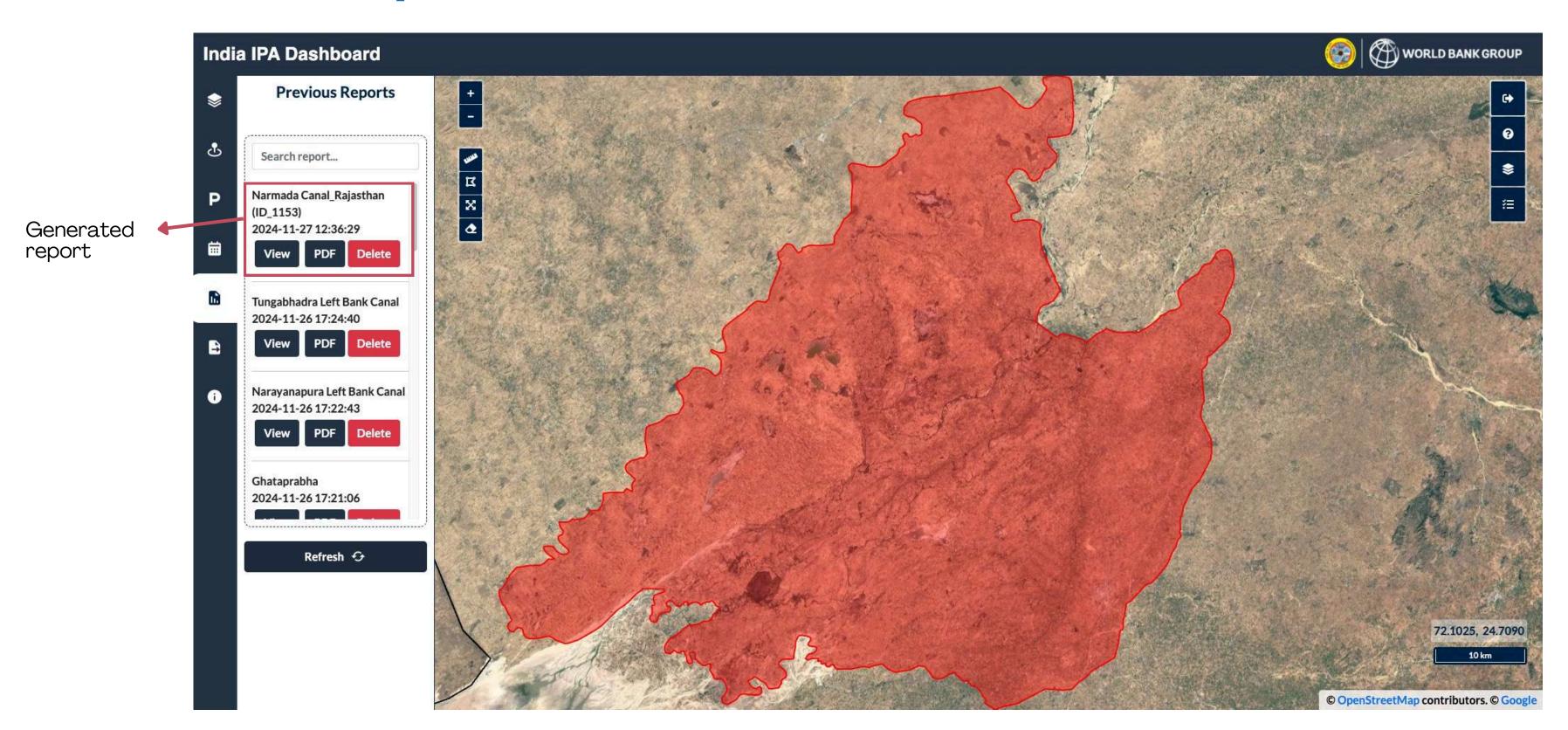


- When you click the Get Report button, the report generation process begins.
 A dialog box appears, displaying the progress percentage of the task in real-time.
- Report generation time depends on the selected area; larger areas take more time.



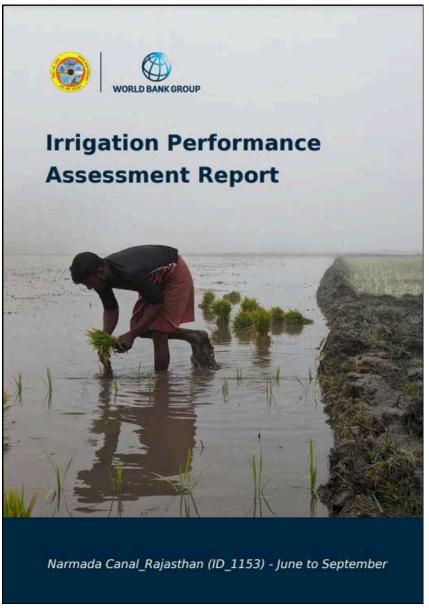
Report generated successfully

Previous reports



Generated: Web and PDF reports





Generate overview/summary stats for multiple commands

This tool generates summary statistics in an Excel file for all features contained within a GeoJSON file. The stats include the following parameters:

| Abbreviation | Definition | Unit |
|--------------------------|---|------------|
| eta_a_average | Average annual Evapotranspiration (ETa) in the command area | mm/year |
| eta_a_cropland_average | Average annual ETa over cropland in the command area | mm/year |
| eta_a_cropland_coeff_var | coefficient of variance of annual ETa over cropland in the command area | mm/year |
| eta_a_cropland_stddev | standard deviation of annual ETa over cropland in the command area | mm/year |
| etb_a_average | Average annual Blue ET in the command area | mm/year |
| etg_a_average | Average annual Green ET in the command area | mm/year |
| tbp_a_average | Average annual Total biomass production in the command area | kg/ha/year |
| pcp_a_average | Average annual precipitation in the command area | mm/year |
| Equity | 1- CV of ETa | % |
| Adequacy | ETa/ ETp, [ETp = 98 percentile of ETa] | % |
| BLP | Biomass land Productivity | kg/ha |
| BWP | Biomass Water Productivity | kg/m³ |

*Cropland = Kharif + Rabi + Zaid +
Double/Triple Crop + Plantation/Orchard
*Agricultural year =. June - May

Generate overview/summary stats for multiple commands

Upload a GeoJSON file

Select an agricultural year

Click on submit to get the oveview stats of uploaded commands.

View Previously Generated Stats excel files.

