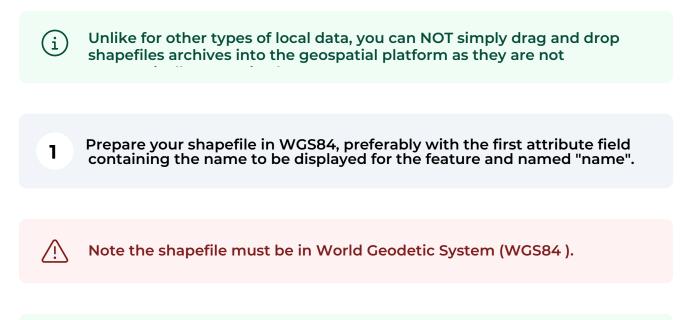


How to Display a Shapefile and Use it for Analysis on the AgroInformatics Platform

How to display a shapefile and use it for analysis

This tutorial explains how you can display an ESRI shapefile on the geospatial platform and use it for analysis. Note that the shapefile will only exists in your browser and cannot be seen by anyone else. If instead you wish to share shapefile, you will need to publish it the geospatial platform catalog. See related tutorial or contact fao-data@fao.org for assistance.



Note the geospatial platform identifies features using the "name" attribute field. if it there is no "name" attribute the first attribute is used. This attribute is displayed in the feature information pop-up when you click on

(i)

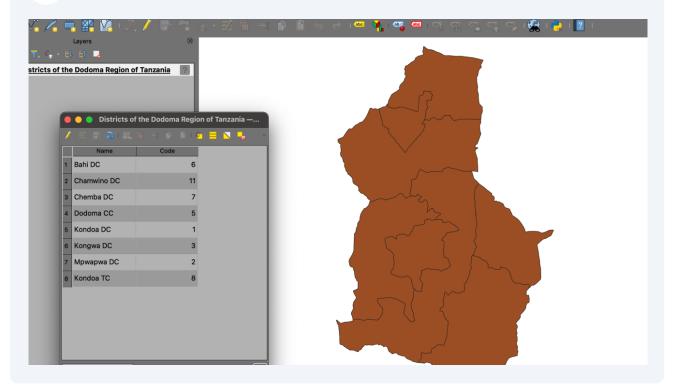
(i)

Note analysis function always uses the first attribute field to identify the feature in the result.

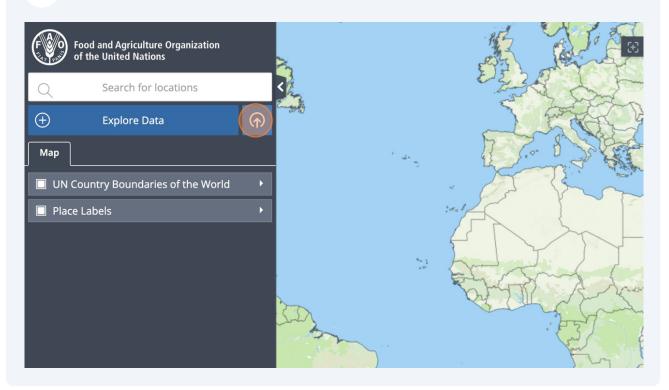
2 Compress the component files of the shapefile (.shp, .dbf, .shx) in a ZIP arch e.

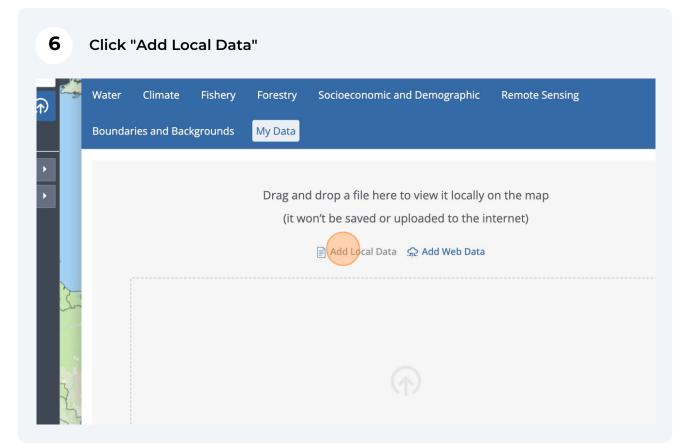
Name	^	Date Modified
Districts of the Dodoma Region of Tak		Yesterday at 09
Districts of the Dodoma Region of Tail	nzania.shp	Yesterday at 09
Districts of the Dodoma Region of Ta	nzania ehv	Vectorday at NO
	New Folder with	n Selection (3 Item
	Open	
	Open With	
	Move to Bin	
	Get Info	
	Rename	
	Compress	

3 An example shapefile archive <u>bit.ly/shp_eg</u>



5 Click on "add local/web data" icon.







Note you can get to the same place by clicking "Explore Data" button and then "My Data"

7 Select "ESRI Sh	apefile (WGS84)" as the file type.	
	Add local file	
	Step 1: Select file type (optional)	
	Auto-detect (recommended) Auto-detect (recommended) GeoJSON	
	ESRI Shapefile (WGS84) KML or KMZ	
	CSV CZML	Give Feed
	Lat 41.90228°N Lon 58.35938°W Elev	<u>100</u>

Note shapefile archives are NOT auto-detected. Therefore please do NOT select the default option "Auto-detect (recommended)"

Click this "Browse", find and upload the shapefile archive (ZIP file) you prep ed earlier.

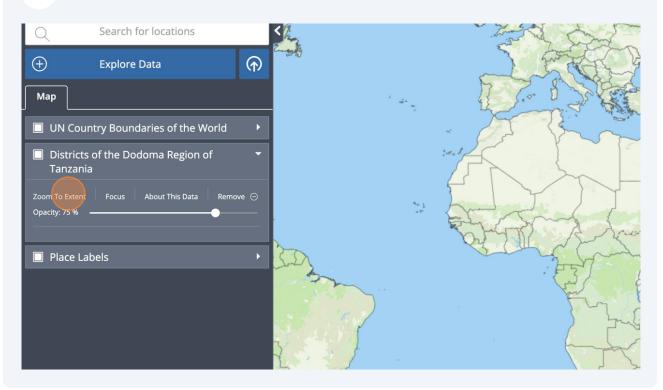
Add local file			
Step 1: Select file type	e (optional)		
ESRI Shapefile (WGS	584)	•	
Step 2: Select file			
	Browse		
			🗔 Give Feed
 	Lat 41.90228°N	Lon 58.35938°W E.	lev <u>1000</u>

9 On successfully upload, you will see a summary record. You can now click " one" to return to the map.

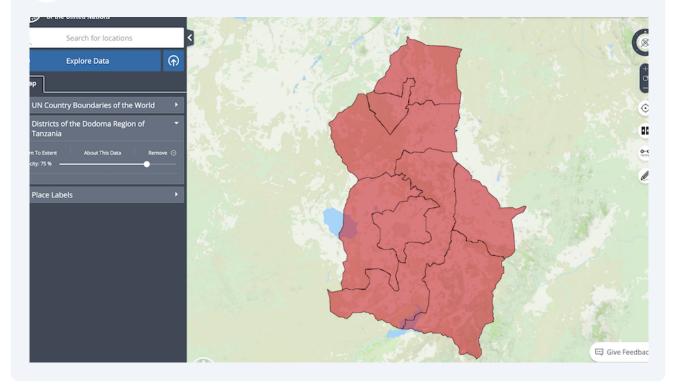
The second se	Story 🐰 Map 😪 Share / Print 🔡 🔠 Related Sites About
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Climate Fishery Forestry Socio	peconomic and Demographic Remote Sensing
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ocal Data 👷 Add Web Data	
of the Dodoma Region of 🕺 🗍 🗇	AFRICA
	ITH RICA Leafer () OpenStreetMap contributors ODbL, © CARTO CC-BY 3.0
	Districts of the Dodoma Region of

8

10 Click "Zoom To Extent" to move the map to view to see your shapefile.

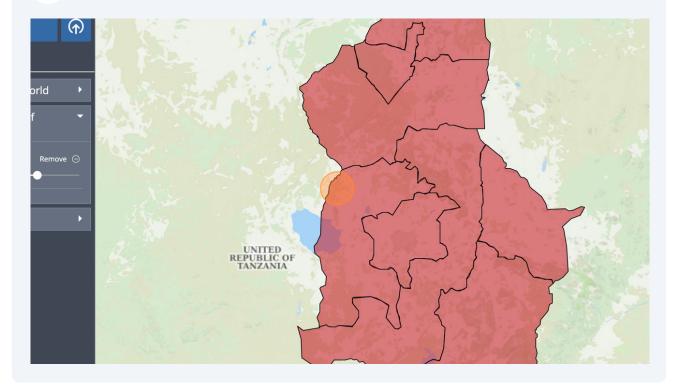


11 You can now see your shapefile on the map

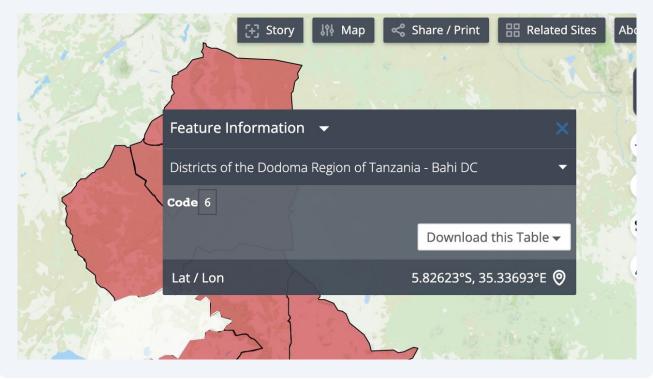


12 You can inspect your shapefile by clicking on a district. Click here.

í



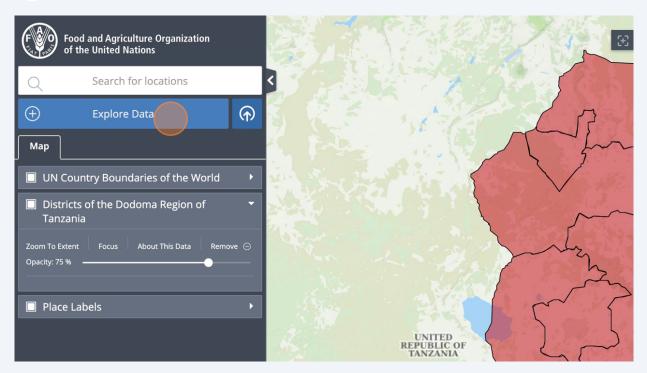
13 The title displayed in the Feature Information pop-up is composed of the shapefile filename and the "Name" attribute. In this case; "Districts of the Dodoma Region of Tanzania" plus "Bahi DC". The other attributes are displayed in the body of the pop-up. Click to close the pop-up,



Note feature "Focus" is not supported for user uploaded shapefiles

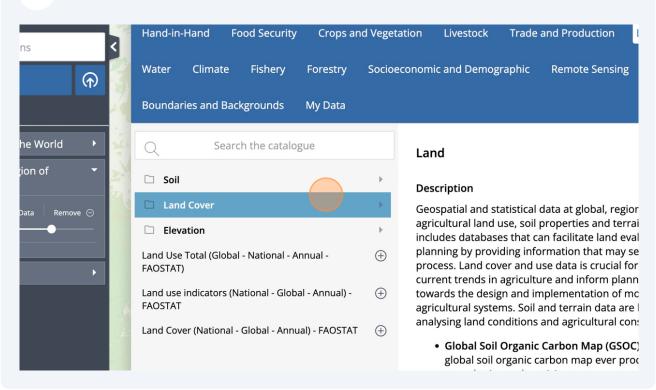
(i)

14 Next a layer that supports Analysis. We use Land Cover for this tutorial. Clic "Explore Data"

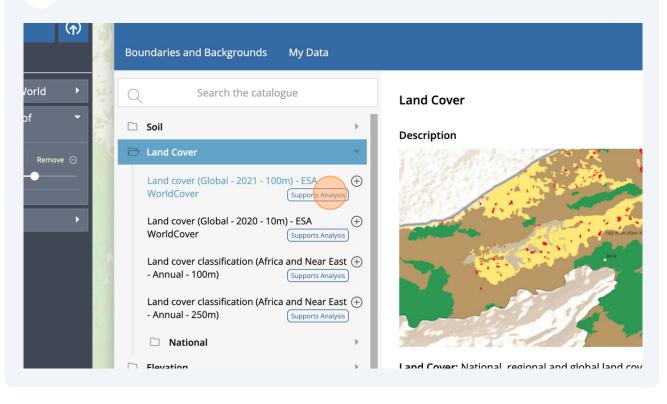


15 Click "Land"		
Hand Food Security Crops and Veg Climate Fishery Forestry Soc ies and Backgrounds My Data	Story IN Map Share / Print III Related Site getation Livestock Trade and Production Land ioeconomic and Demographic Remote Sensing	s About Done
Search the catalogue :ial Country Groups d-in-Hand Countries	Hand-in-Hand Sha Description The Hand-in-Hand (HiH) Geospatial Platform is the enabling tool for the FAO flagship HiH Initiative unlocking over millions of data layer more targeted, evidence-based agricultural interventions. This Digi Public Good provides open-access geographic information, key for security indicators and agricultural statistics sourced from FAO and from external organizations such as NGOs, academia, the private sector, and space agencies, including key FAO flagship databases s as FAOSTAT data on food and agriculture for over 245 countries and territories from 1961 to the most recent year available. The platfor	rr s ital od d uch nd

16 Click "Land Cover"

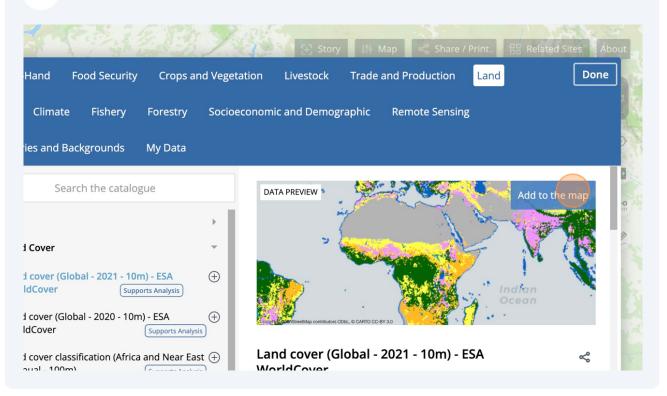


17 Click "Supports Analysis"



18 Click "Add to the map"

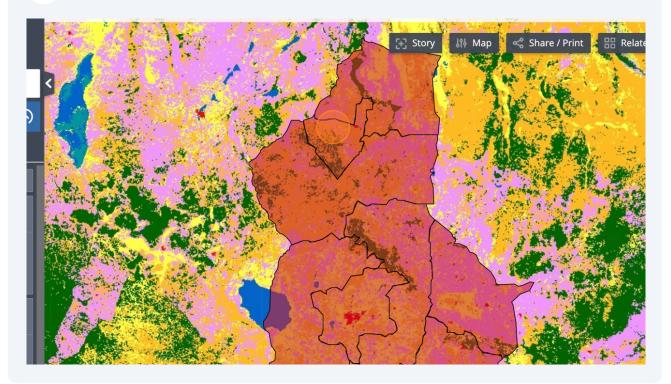
< 01/01/2022, 03:00:00



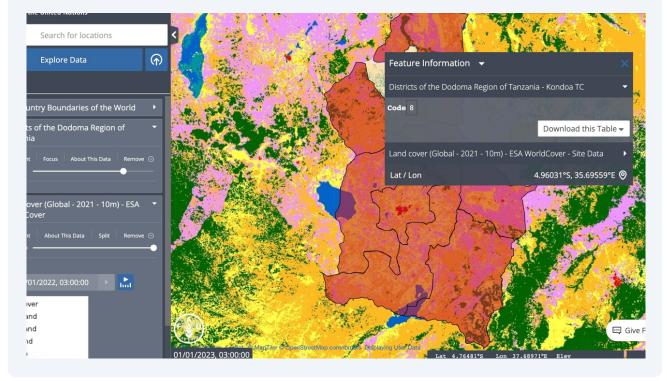
19 Click "Zoom To Extent" of the shapefile Search for locations (+)**Explore** Data Мар UN Country Boundaries of the World D Districts of the Dodoma Region of Tanzania To Extent Focus About This Data Remove ⊝ Opacity: 75 % -Land cover (Global - 2021 - 10m) - ESA WorldCover About This Data Split Time:

12

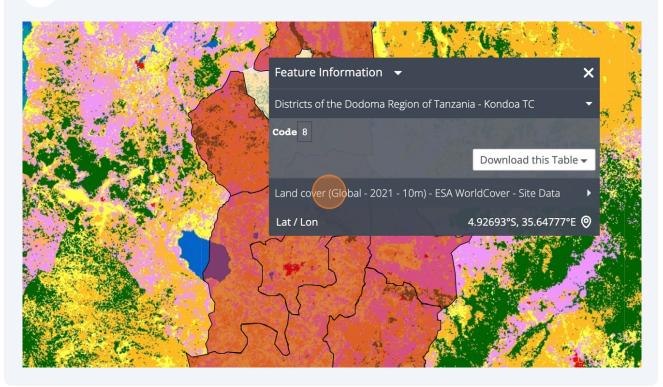
20 Click on the district on the map you want to analyse.



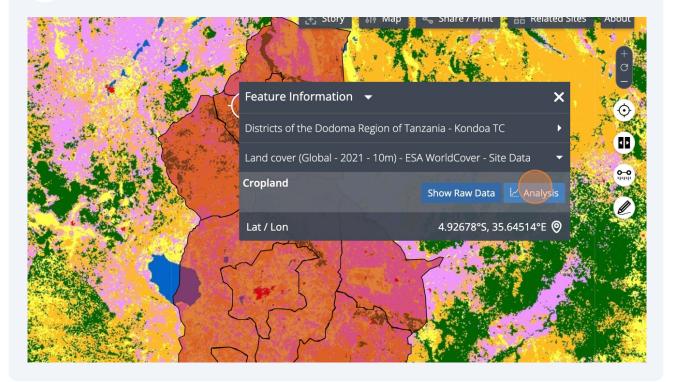
21 The information about the district is shown in the feature information pop-u window.



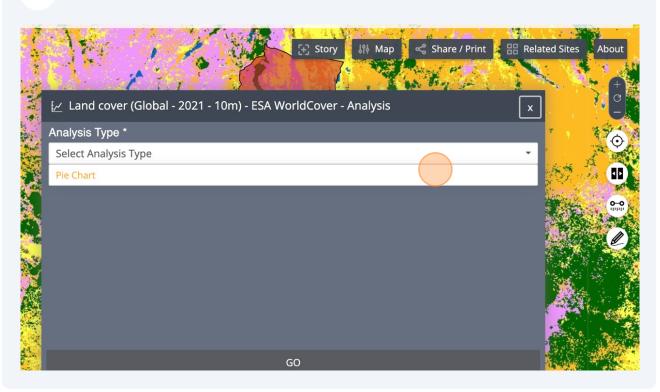
22 Click "Land cover (Global - 2021 - 10m) - ESA WorldCover - Site Data"



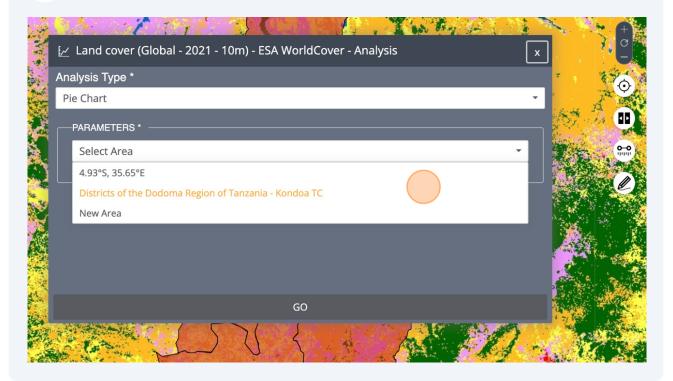
23 Click "Analysis"



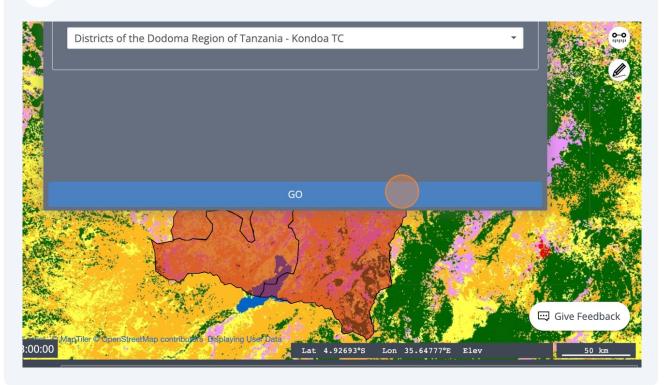
24 Select Analysis Type "Pie Chart"



25 Select Area "Districts of the Dodoma Region of Tanzania - Kondoa TC"



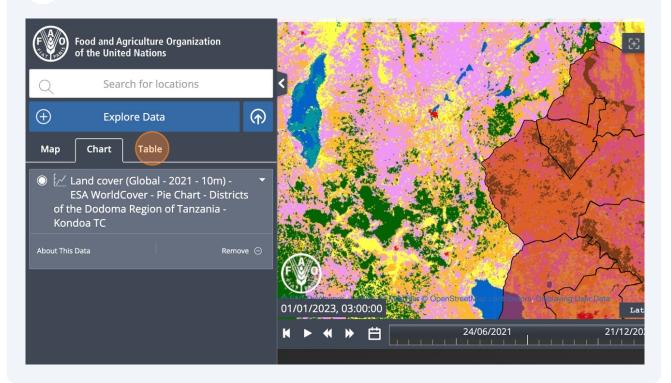
26 Click "GO" to launch the analysis



Explore the resulting analysis



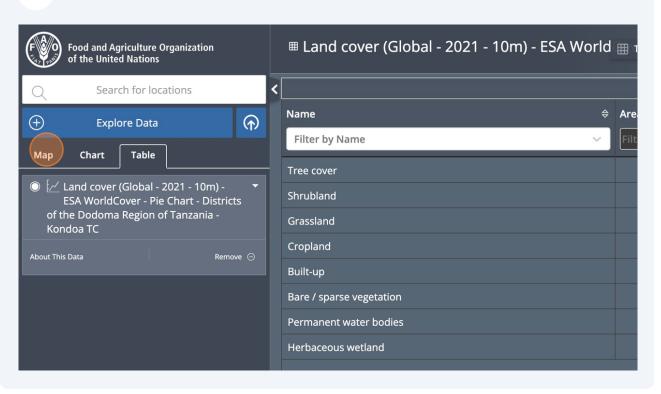
28 Click "Table"



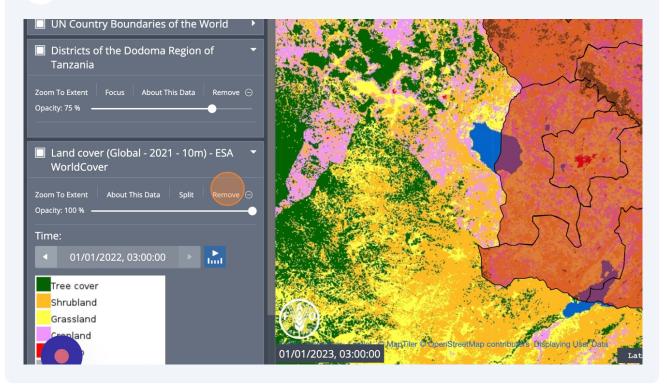
29 Explore the analysis as a table

(↑)	Filter by Name ✓ Filter by Area
	Tree cover
1 - 10m) - 🛛 🔻 art - Districts	Shrubland
nzania -	Grassland
Remove $igodot$	Cropland
	Built-up
	Bare / sparse vegetation
	Permanent water bodies
	Herbaceous wetland

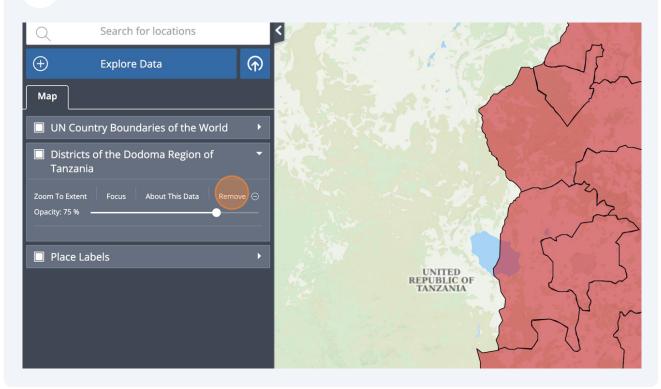
Now we remove the shapefile. Click "Map"



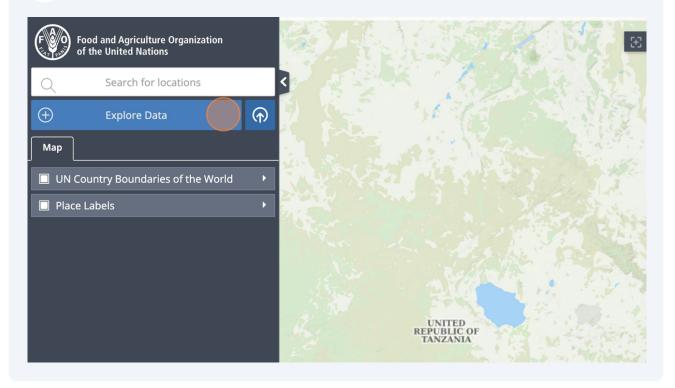
31 Click "Remove" on the "Land Cover"



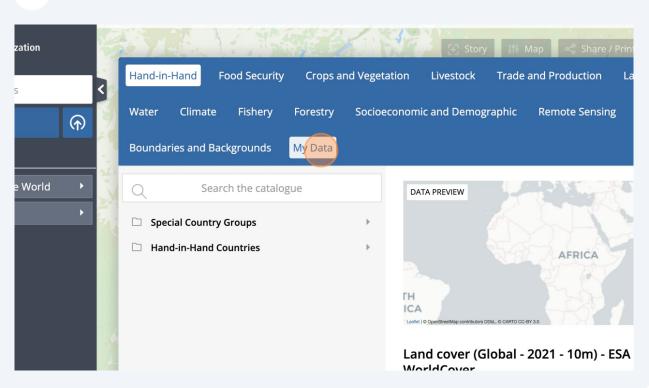
32 Click "Remove" the shapefile "Districts of the Dodoma Region of Tanzania"



Next we add back the shapefile. Click "Explore Data"



34 Click "My Data"

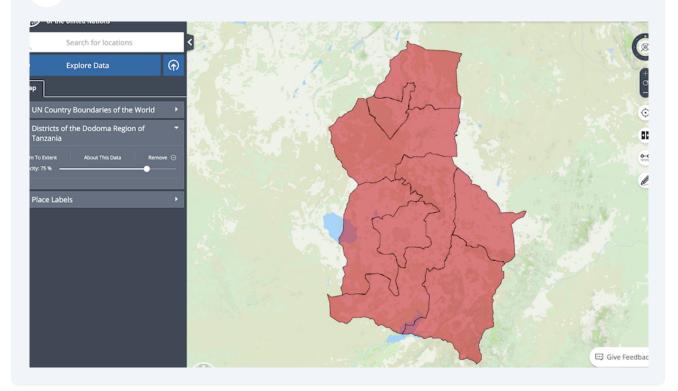


35 Click "Districts of the Dodoma Region of Tanzania" and then "Add to the ma

E. M. S. Start	🕃 Story 👫 Map < Share / Print 🔡 Related Sites About
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	Districts of the Dodoma Region of

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36 End of the tutorial



All maps in this publication have been created using shapefiles from the United Nations.

Source: FAO Hand-in-Hand Geospatial Platform. 2023. Map geodata [shapefiles]. New York, USA, United Nations.

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