



RESEARCH
PROGRAM ON
Forests, Trees and
Agroforestry



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Prepared by
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THE FTA GEOPORTAL MANUAL FOR CONTRIBUTORS

foreststreesagroforestry.org

INTRODUCTION

The FTA Geoportal needs the active involvement of contributors, selected individuals given the authority to add new data and metadata to the geoportal, to ensure that the portal is always operational and up to date. A back-end application has been developed, along with the geoportal, to allow contributors to access and maintain data. This application is delivered via a web-based user-interface that is designed to be as easy and as simple as possible for the contributors to use in the most effective and efficient way.

The contributor concept allows any organization or individual, who possesses or maintains spatial data, to publish their data without having to set up their own spatial data services or metadata catalogue services. They will be able to use the spatial data storage, spatial data server and metadata catalogue server, prepared by FTA, to publish their spatial data via the geoportal. However, the contributors must prepare their spatial data and metadata following FTA standards (ISO 19115).

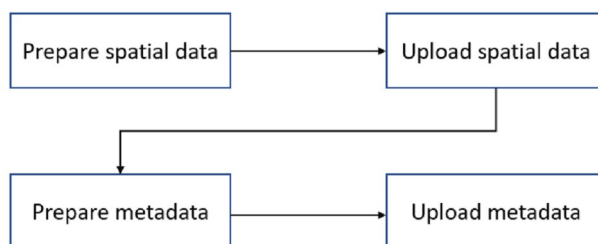


Figure 1. Flowchart for contributors

ADD SPATIAL DATA TO THE GEOPORTAL

Along with spatial data preparation, the respective metadata should also be prepared following FTA standards. All required elements should be ready, except for the online resource element for the spatial service link. It will be provided by the system and should be added to the metadata before uploading the metadata to the system. The step-by-step process for adding spatial data and metadata are:

1. Open the web application for contributors using the link: <https://data.cifor.org/geoportal/contributor/#/> and login with your account and password.

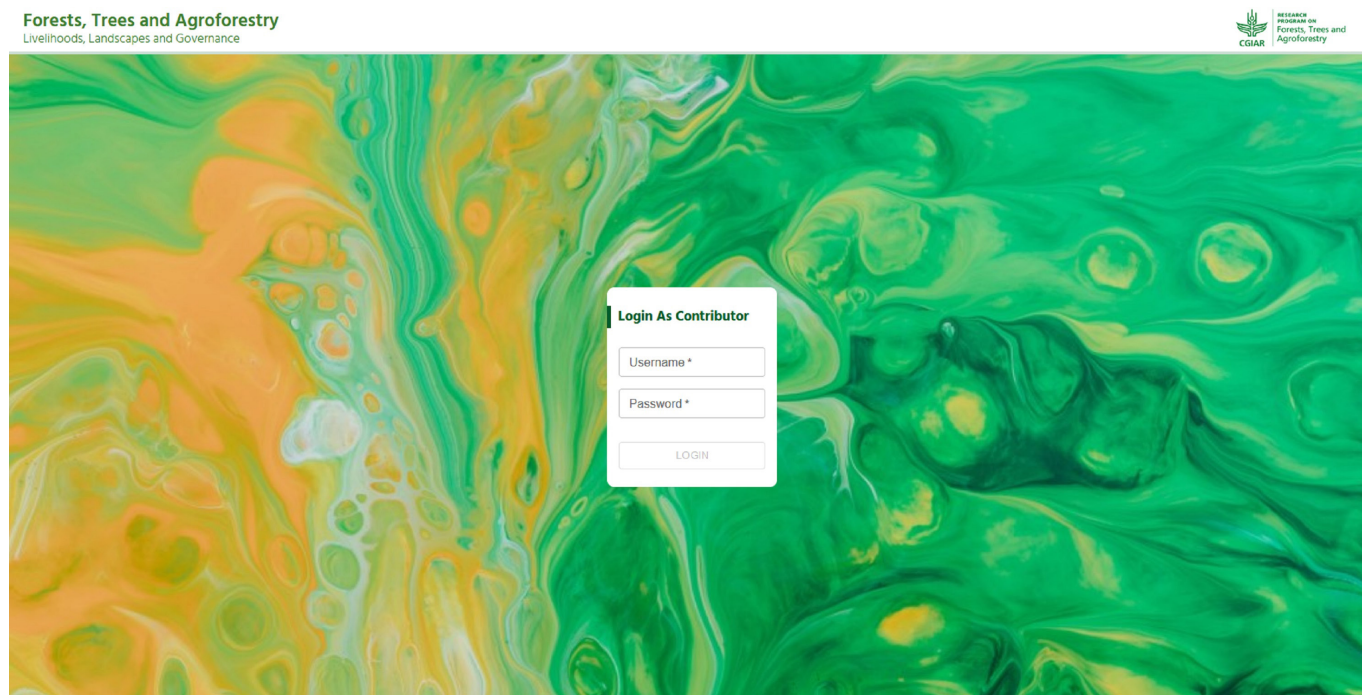


Figure 2. Default login page for contributors

- From the contributor default page, select and click on Upload Spatial Data in the Dashboard section and click Add New Data.

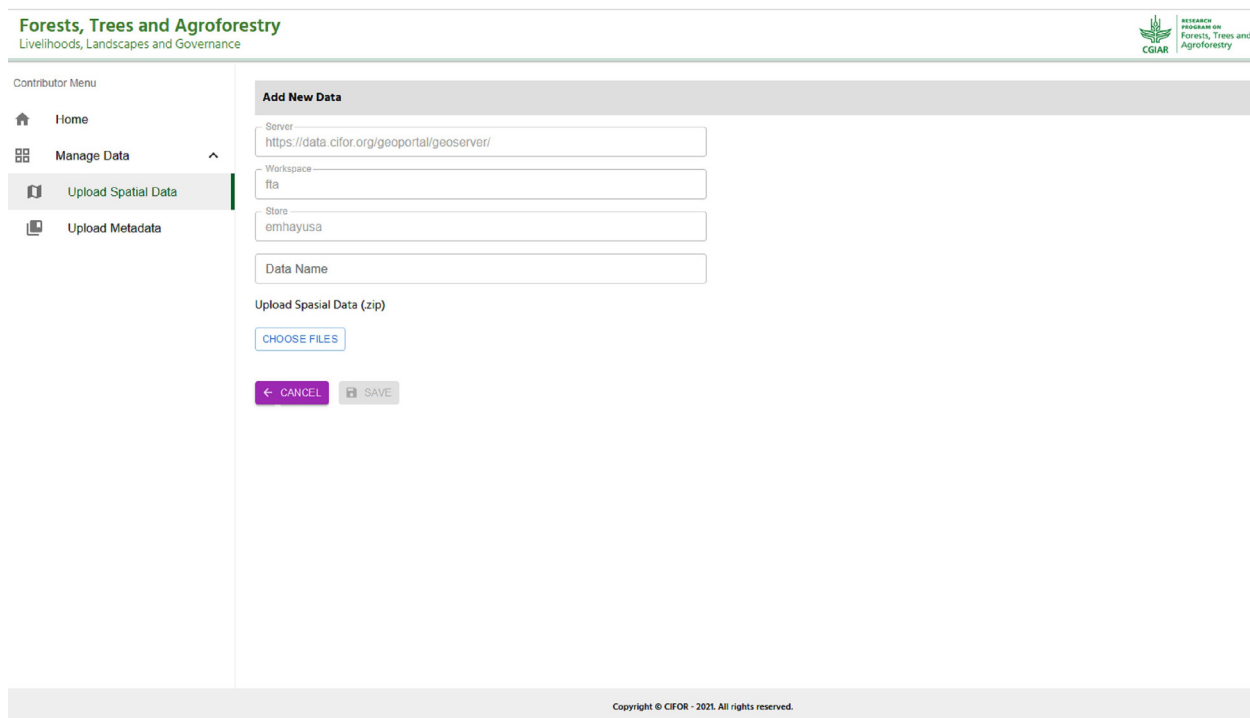


Figure 3. Upload data page

- On the Upload Spatial Data page, input a name for the data and choose a spatial data item by clicking on the Browse button. Please note that the spatial data should be in shapefile format and compressed (.zip).

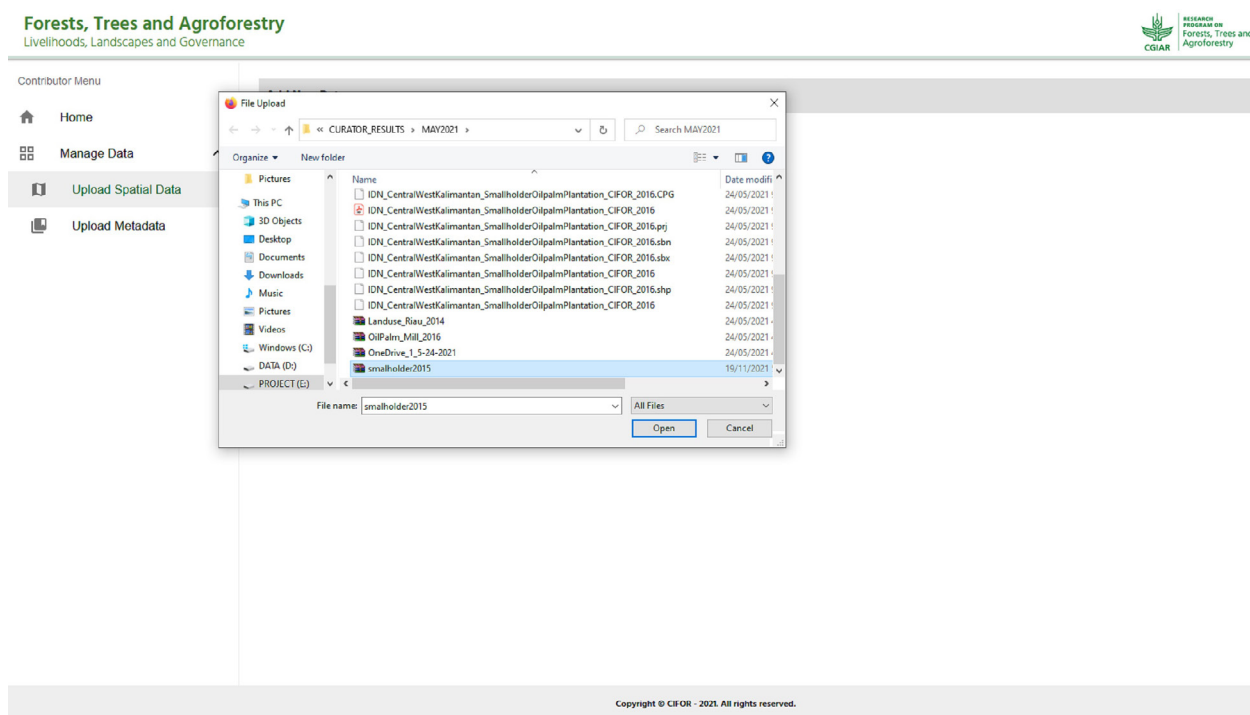


Figure 4. Selecting the spatial data window

- In the file selection window, please select the compressed spatial data file and click on the Open button.

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Contributor Menu

- Home
- Manage Data
- Upload Spatial Data**
- Upload Metadata

Add New Data

Server:

Workspace:

Store:

Data Name:

Upload Spatial Data (zip)

[CHOOSE FILES](#)

smallholder2015.zip

- IDN_CentralWestKalimantan_SmallholderOilpalmPlantation_CIFOR_2016.prj
- IDN_CentralWestKalimantan_SmallholderOilpalmPlantation_CIFOR_2016.shp
- IDN_CentralWestKalimantan_SmallholderOilpalmPlantation_CIFOR_2016.shx
- IDN_CentralWestKalimantan_SmallholderOilpalmPlantation_CIFOR_2016.dbf

[← CANCEL](#) [SAVE](#)

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Figure 5. Selecting the spatial data window (after a data item has been selected)

- Once a data item has been selected, the contributor can proceed to upload data into the system by clicking on the Save Data button. The spatial data is then saved in the database of the geoportal and a spatial data service for this data is generated by the system; it is live and ready to be accessed by external users.

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Contributor Menu

- Home
- Manage Data
- Upload Spatial Data**
- Upload Metadata

List Of Spatial Data

[+ ADD NEW DATA](#)

No	Data Name	File Name	Time Uploaded	Geoserver WMS URL	Action
3	Admin Desa	ADMINISTRASIDESA_AH_25K.shp	August 4, 2021 - 8:04PM	46332454500002-7.148200475969957;110.83358016000014;-6.708177010999923&wkt=h=646&height=768&srs=EPSG:4326&styles=&format=image/png	[icon]
4	Smallholder 2015	IDN_WCBorneo_OPSmallholder_CIFOR_2015.shp	November 19, 2021 - 10:48AM	https://data.cifor.org/geoportal/geoserver/fla/wms?service=WMS&version=1.1.0&request=GetMap&layers=fla.IDN_WCBorneo_OPSmallholder_CIFOR_2015&bbox=109.8427650000001-3.461839999999955.114.3472510000001.1.134700542000095&wkt=h=752&height=768&srs=EPSG:4326&styles=&format=image/png	[icon]

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Figure 6. The WMS URL generated by the system

- Please note: the WMS URL given by the system, as shown in Figure 6, should be copied and pasted AS IT IS into the metadata xml file as the content of the online resource element.

ADDING METADATA TO THE GEOPORTAL

Uploading spatial data to the system is only half of the process for publishing data via the geoportal. The other half is uploading the metadata (with a link for spatial service in it) into the system. This is due to the concept of a geoportal that has a metadata repository at its core. Contributors can follow these steps to upload metadata:

1. Open the web application for contributors using the link: <https://data.cifor.org/geoportal/contributor/#/> and login with your account and password.

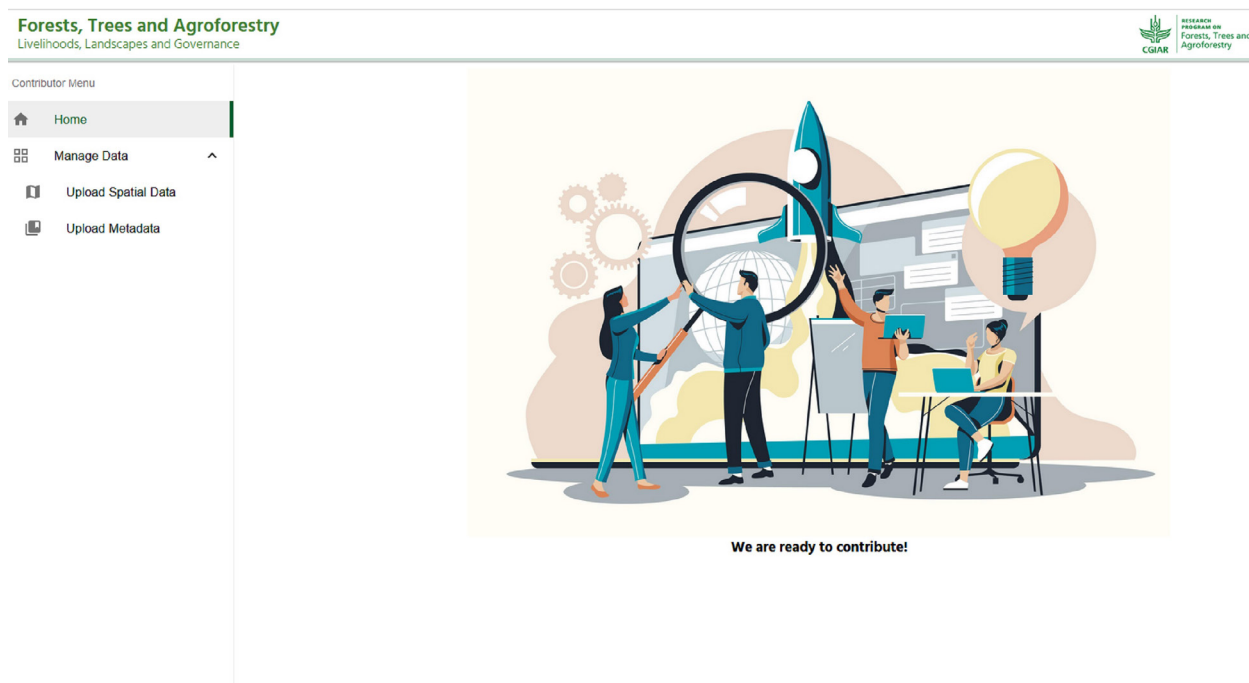


Figure 7. Default web page for contributors

2. From the contributor default page, select and click on Upload Metadata in the Dashboard section.

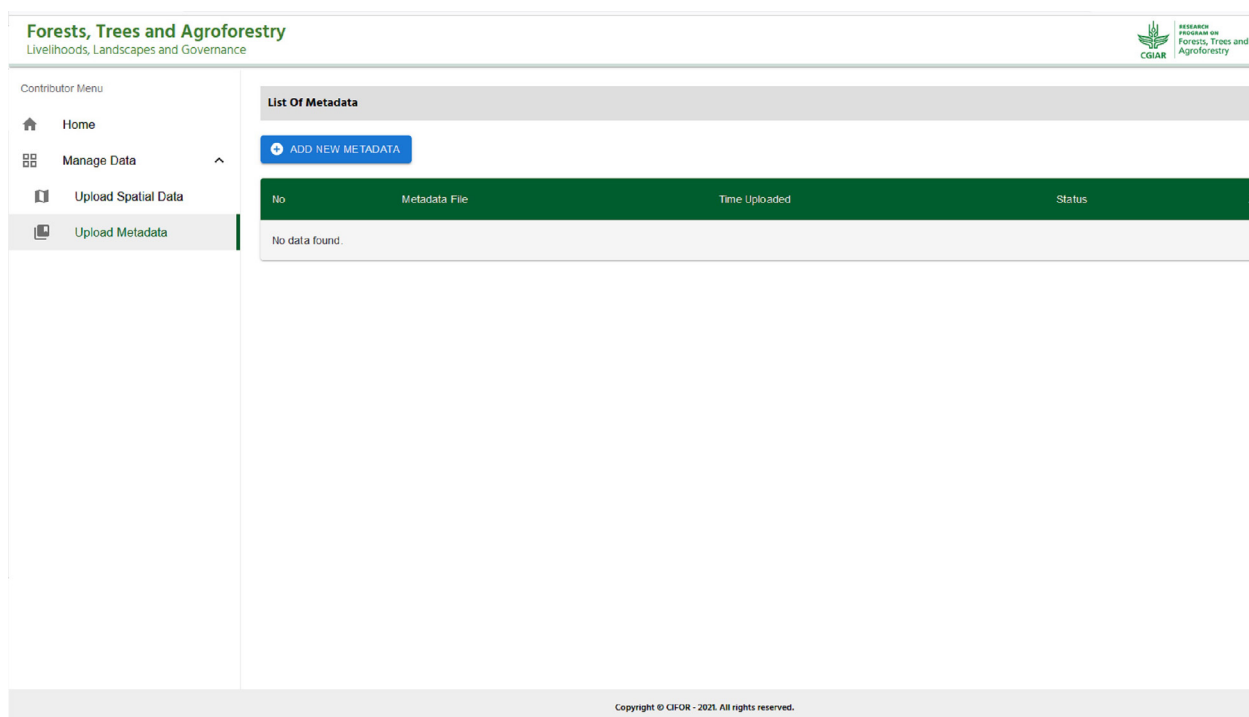


Figure 8. Upload metadata page

3. Click on Add New Metadata.

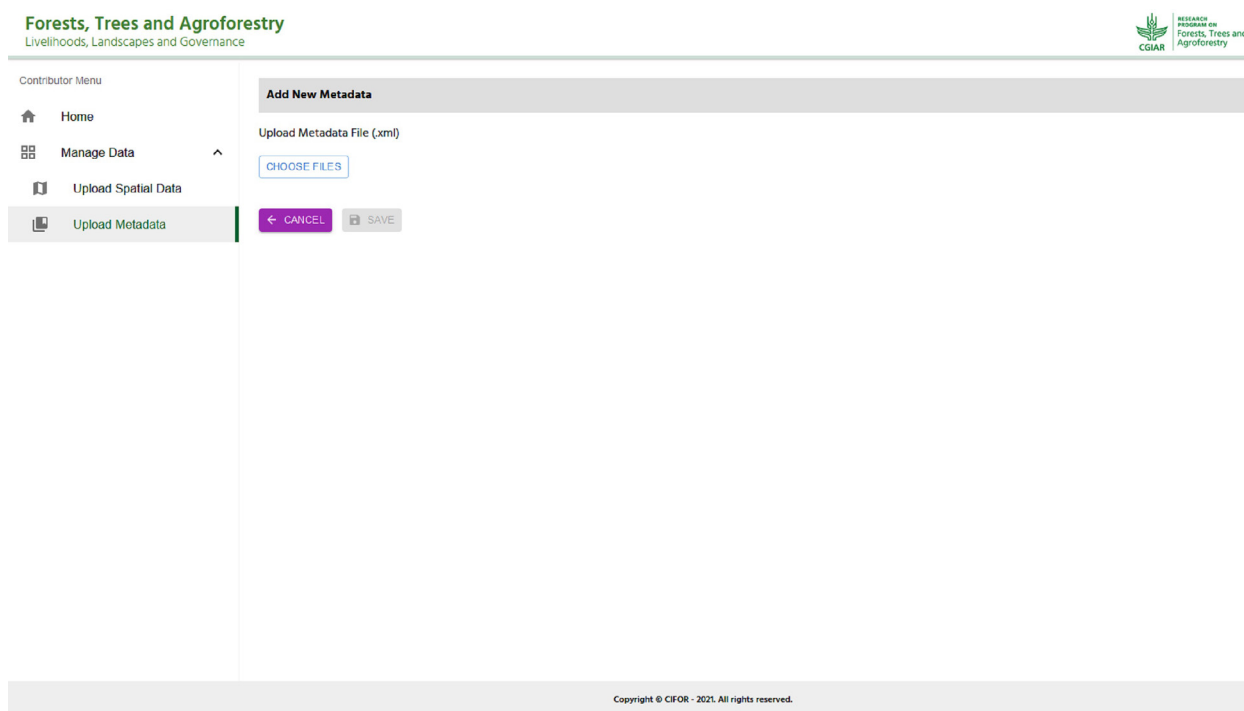


Figure 9. Metadata upload page

4. Click on the Choose Files button.

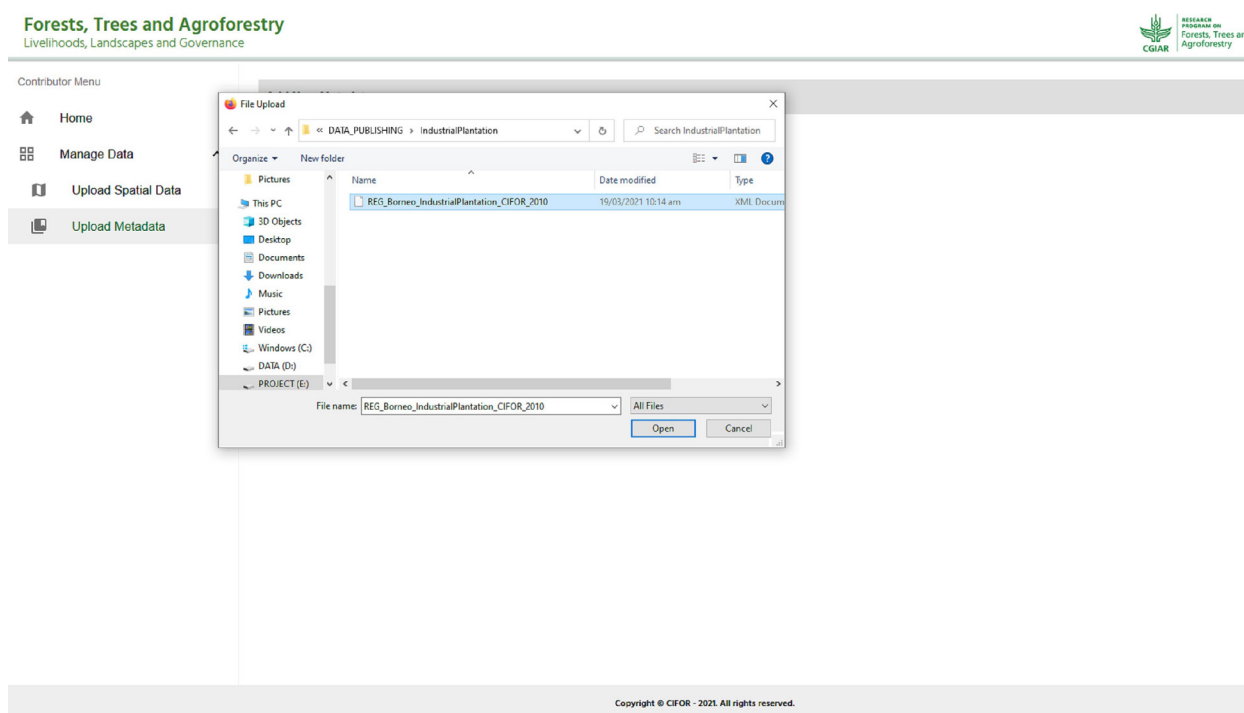


Figure 10. Metadata selection window

5. Find and select the relevant metadata xml file and click on the Open button to add the metadata to the uploading system.

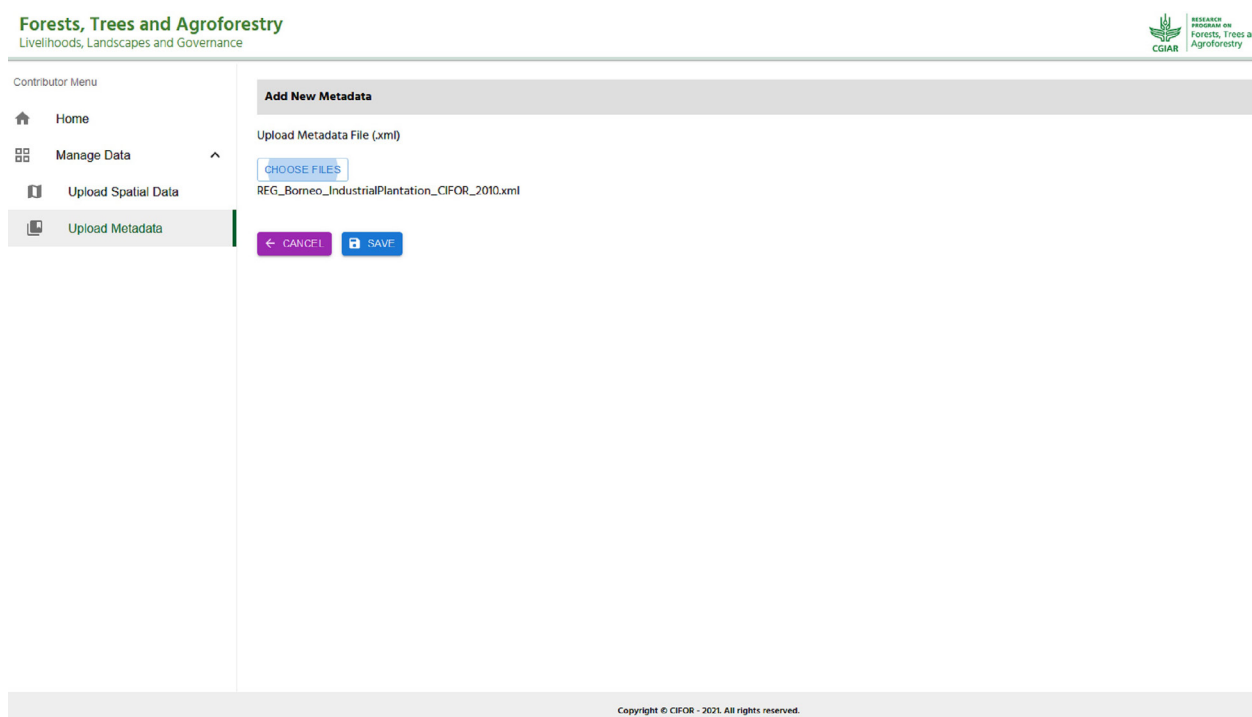


Figure 11. Metadata upload page: selected metadata

6. With the selected metadata in the system, click on the Save metadata button to complete the upload process.

