

## Uploading An Ontology

To upload an ontology to the platform, the user must select the Register tab on the top menu available after login, Figure 1.

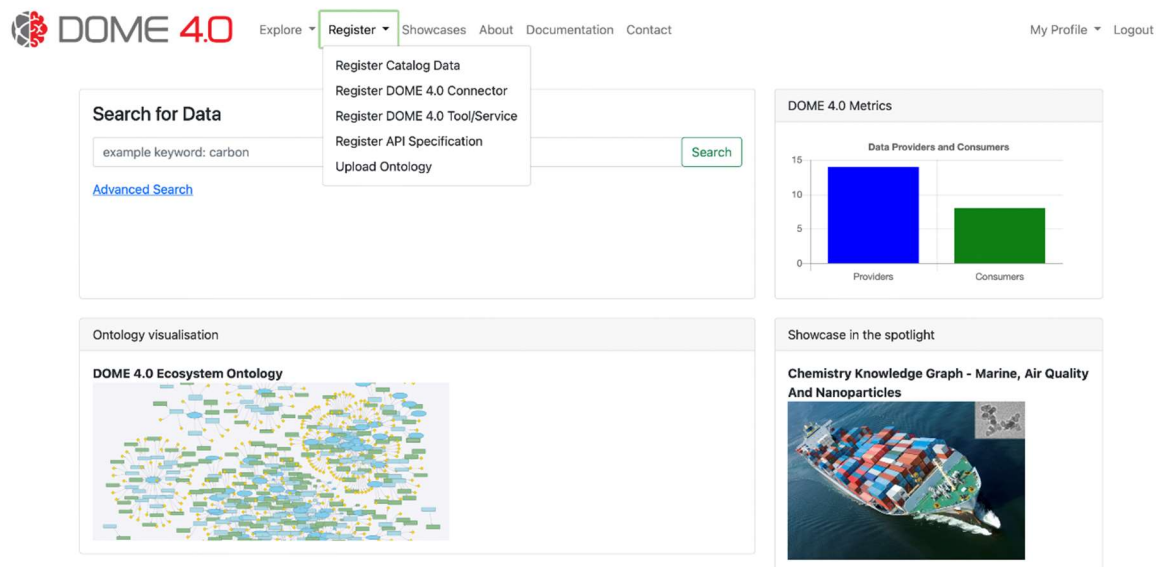


Figure 1: Upload Ontology page available through the Register tab of the top menu.

The user is directed to a page where an ontology may be uploaded, Figure 2. The user is presented with two fields, firstly, a field to choose a desired ontology, and secondly, a field to assign a valid namespace to the ontology.

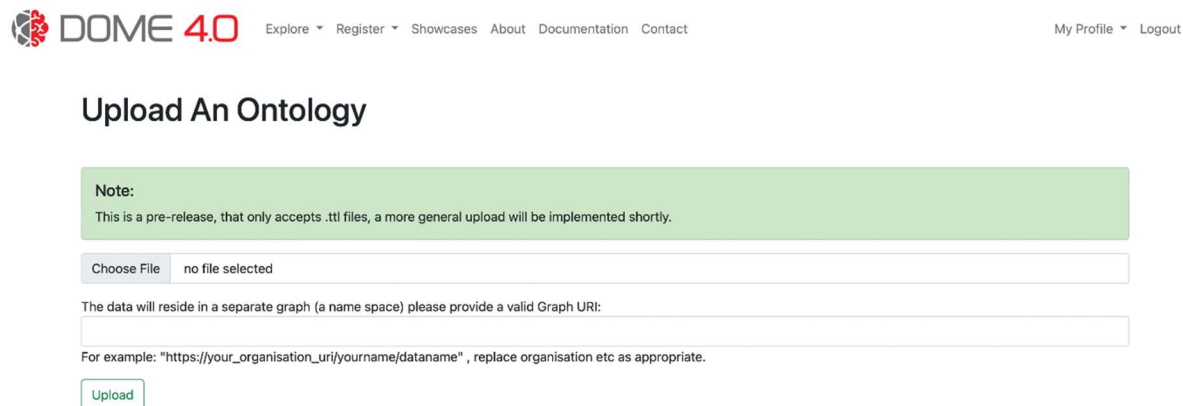
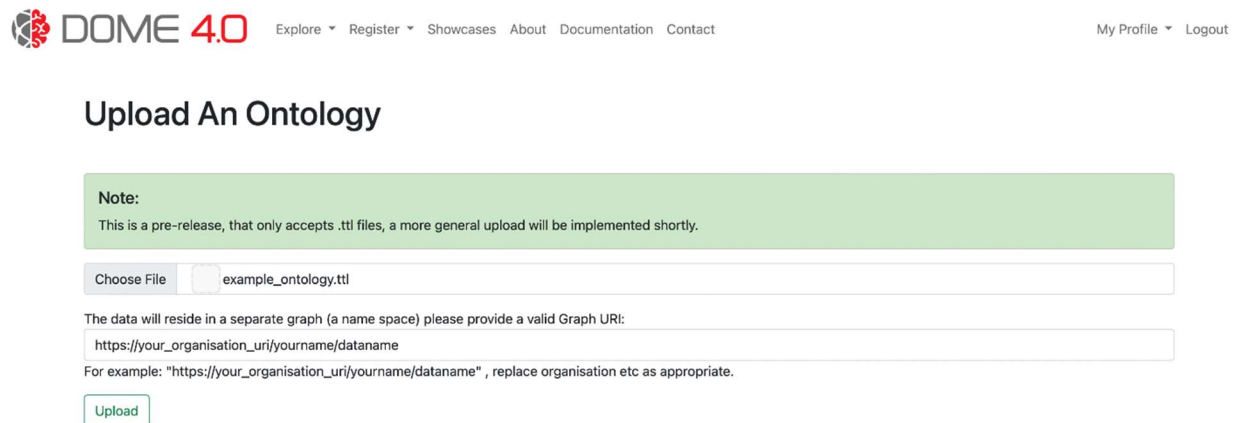


Figure 2: Fields required for uploading a desired ontology.

To upload an ontology, Figure 3, the user must select the 'Choose File' button and select a file containing the desired ontology in an appropriate format, such as Turtle (.ttl). Once selected, the desired ontology must be assigned a namespace, following the format 'https://your\_organisation\_uri/yourname/dataname' which should be replaced as appropriate. Once completed, selecting the upload button will upload the ontology to the platform.



The screenshot shows the 'Upload An Ontology' page in the DOME 4.0 application. At the top left is the DOME 4.0 logo, and to its right are navigation links: 'Explore', 'Register', 'Showcases', 'About', 'Documentation', and 'Contact'. At the top right are 'My Profile' and 'Logout' links. The main heading is 'Upload An Ontology'. Below this is a green note box stating: 'Note: This is a pre-release, that only accepts .ttl files, a more general upload will be implemented shortly.' The form contains a file selection area with a 'Choose File' button and a text input field containing 'example\_ontology.ttl'. Below this is a text input field for a Graph URI, containing the placeholder 'https://your\_organisation\_uri/yourname/dataname'. A note below the URI field says: 'The data will reside in a separate graph (a name space) please provide a valid Graph URI: For example: "https://your\_organisation\_uri/yourname/dataname", replace organisation etc as appropriate.' At the bottom of the form is an 'Upload' button.

Figure 3: Example of uploaded an ontology from file.

Once successfully uploaded the user will be directed to the Uploaded Ontologies page, Figure 4, where the ontology can be explored and visualised in the same way as outlined above in the Ontologies Page section.

## Uploaded Ontologies

**Note:**

Successfully Added [https://your\\_organisation\\_uri/yourname/dataname](https://your_organisation_uri/yourname/dataname), from file

<a href="http://dome40.io/dataset/data/dome4.0_core_dataset_trial0_reasoned">http://dome40.io/dataset/data/dome4.0_core_dataset_trial0_reasoned</a>	<a href="#">Visualise</a>
<a href="http://dome40.io/dataset/data/platforms_dome_core_reasoned_Hermit">http://dome40.io/dataset/data/platforms_dome_core_reasoned_Hermit</a>	<a href="#">Visualise</a>
<a href="https://w3id.org/function/ontology/1.0.0">https://w3id.org/function/ontology/1.0.0</a>	<a href="#">Visualise</a>
<a href="http://dome40.io/dataset/data/dome-all-data">http://dome40.io/dataset/data/dome-all-data</a>	<a href="#">Visualise</a>
<a href="https://imd.ucl.io/miso">https://imd.ucl.io/miso</a>	<a href="#">Visualise</a>
<a href="https://db1">https://db1</a>	<a href="#">Visualise</a>
<a href="https://simulation/test">https://simulation/test</a>	<a href="#">Visualise</a>
<a href="https://ucl/ob/db1">https://ucl/ob/db1</a>	<a href="#">Visualise</a>
<a href="https://ddmd.imd.ucl.io/owain/db1">https://ddmd.imd.ucl.io/owain/db1</a>	<a href="#">Visualise</a>
<a href="https://vimp/semantics/viso/viso-atomistic-mesosopic">https://vimp/semantics/viso/viso-atomistic-mesosopic</a>	<a href="#">Visualise</a>
<a href="https://fdmt/example">https://fdmt/example</a>	<a href="#">Visualise</a>

*Figure 4: Successfully uploaded ontology.*