

Ontologies Page

On the DOME 4.0 platform it is possible to explore available ontologies. The user can access ontologies through the Explore tab on the top menu of the home page after login, Figure 1.

The screenshot displays the DOME 4.0 home page interface. At the top left is the DOME 4.0 logo. The top navigation menu includes 'Explore', 'Register', 'Showcases', 'About', 'Documentation', and 'Contact'. On the right side, there are links for 'My Profile' and 'Logout'. Below the navigation, there is a 'Search for Data' section with a search bar containing the text 'example keyword: carbon' and a 'Search' button. A dropdown menu is open under the 'Explore' tab, listing 'Search', 'Data Sources', 'Tools and Services', 'Ontologies', and 'Advanced Search'. Below the search bar is a link for 'Advanced Search'. To the right of the search bar is a 'DOMe 4.0 Metrics' section featuring a bar chart titled 'Data Providers and Consumers'. The chart shows two bars: 'Providers' with a value of approximately 14 and 'Consumers' with a value of approximately 8. Below the metrics is an 'Ontology visualisation' section titled 'DOMe 4.0 Ecosystem Ontology', which displays a complex network graph with numerous nodes and edges. To the right of the ontology visualization is a 'Showcase in the spotlight' section titled 'Chemistry Knowledge Graph - Marine, Air Quality And Nanoparticles', which includes an image of a cargo ship.

Figure 1: Ontologies available through the explore tab of the top menu on the home page.

By selecting 'Ontologies' the user is directed to a page containing ontologies available on the platform, Figure 2.

Uploaded Ontologies

Note:

Choose which Ontology to Explore and Visualise!

- http://dome40.io/dataset/data/dome4.0_core_dataset_trial0_reasoned [Visualise](#)
- http://dome40.io/dataset/data/platforms_dome_core_reasoned_Hermit [Visualise](#)
- <https://w3id.org/function/ontology/1.0.0> [Visualise](#)
- <http://dome40.io/dataset/data/dome-all-data> [Visualise](#)
- <https://imd.ucl.io/miso> [Visualise](#)
- <https://db1> [Visualise](#)
- <https://simulation/test> [Visualise](#)
- <https://ucl/obj/db1> [Visualise](#)
- <https://ddmd.imd.ucl.io/owain/db1> [Visualise](#)
- <https://vimmp/semantics/viso/viso-atomistic-mesoscopic> [Visualise](#)
- <https://dmt/example> [Visualise](#)

Figure 2: A list of ontologies available on the platform.

The user may explore the available ontologies by selecting ‘Visualise’. This will open a page and display the selected ontology, Figure 3, where the user can explore the ontology by interacting with the visualiser. For more information, please refer to the Ontology Visualisation section.

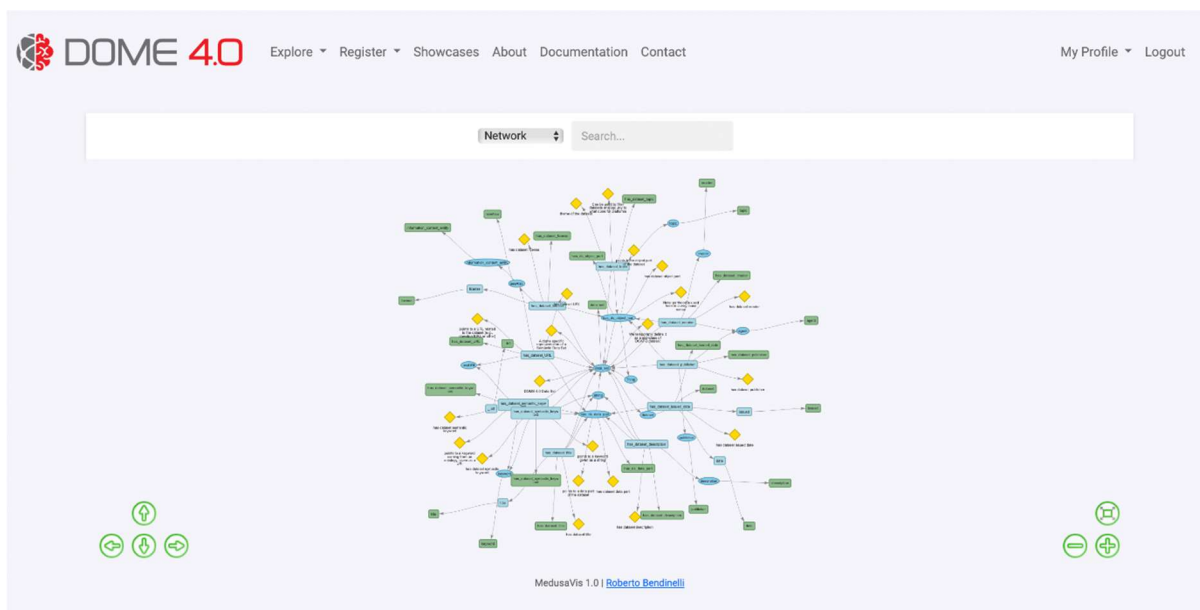


Figure 3: Visualisation of the DOME 4.0 dataset ontology.