

EcoPortal

a semantic repository dedicated to biodiversity and ecosystems

EcoPortal is an initiative driven by the research infrastructure LifeWatch ERIC.

EcoPortal was designed and developed as a repository for the semantic resources in the ecological domain.

It will support the community in the management and alignment of their semantics.

Thanks to EcoPortal, LifeWatch ERIC facilitates the discovery, integration and re-usability of data.

The screenshot shows the EcoPortal homepage. At the top, there is a navigation bar with the EcoPortal logo and links for Login, Tools, Support, and About Us. Below the navigation bar, there are two search boxes: "Search for a class" and "Find a semantic resource (ontology, thesaurus, etc.)". The "Search for a class" box has a search input field and an "Advanced Search" link. The "Find a semantic resource" box has a search input field and a "Browse Ontologies" link. Below the search boxes, there are two main sections: "Ontology Visits (June 2019)" which shows a bar chart with a y-axis from 0 to 5,000 and a "More" link; and "Ecoportal Statistics" which shows a table with two rows: "Ontologies" with a value of 6 and "Classes" with a value of 137. At the bottom, there is a footer with navigation links for PRODUCTS (EcoPortal REST API), SUPPORT (Contact Us, Help), ABOUT (About Us, Team, Projects), and CONNECT (Facebook, Twitter, GitHub). The LifeWatch ERIC logo and copyright notice are also present.

The screenshot shows the EcoPortal "Browse" page. At the top, there is a navigation bar with the EcoPortal logo and links for Login, Tools, Support, and About Us. Below the navigation bar, there is a "Browse" section with a search input field and a "Showing 6 of 6 Sort: Popular" indicator. On the left side, there are several filters: "Submit New Ontology", "Entry Type" (with "Ontology" selected), "Uploaded in the Last", "Category", "Group", and "Format" (with "SKOS" selected). The main content area displays a list of ontologies, each with a title, description, and "Upload" date. The ontologies listed are: "Endemisms Thesaurus (ENDEMISMS)", "Fish Traits Thesaurus (FISHTRAITS)", "Semantic Types Ontology (STY)", "Phytoplankton Traits Thesaurus (PHYTOTRAITS)", and "Alien Species Thesaurus (ALIENSPECIES)".

The screenshot shows the EcoPortal "Phytoplankton Traits Thesaurus" page. At the top, there is a navigation bar with the EcoPortal logo and links for Login, Tools, Support, and About Us. Below the navigation bar, there is a "Phytoplankton Traits Thesaurus" section with a "Summary" tab selected. The page displays a detailed view of a class, "Cylinder", with a tree view on the left and a table of properties on the right. The tree view shows a hierarchy of classes, including "Phytoplankton Trait", "Demographic Trait", "Density", "Total Biomass", "Functional Trait", "Behavioural Trait", "Morphological Trait", "Coloniality", "Internal and External Structures", "Linear Dimension", "Apothem", "Length", "Thickness", "Width", "Shape", "Complex Shape", "Simple Shape", "Cone", "Cube", "Cylinder", "Cymbeloid", "Ellipsoid", "Gonophanoid", "Half Cone", "Half Cylinder", "Half Ellipsoid", "Half Prism on elliptic base", "Half Sphere", "Parallelepiped", "Prism on elliptic base", "Prism on parallelogram base", "Prism on triangle base 1", "Prism on triangle base 2", "Prolate Spheroid", "Pyramid (rectangular base)", "Sickle-shaped Prism", "Sphere", "Truncated Cone", "Truncated Pyramid", and "Truncated Pyramid on square base". The table of properties on the right includes: "Preferred Name" (Cylinder), "Definitions" (A cell shape that approximates a cylinder.), "ID" (http://thesauri.lifewatchitaly.eu/PhytoTraits/Items=46), "broader" (Simple Shape), "created" (2015-03-07 07:00:23), "definition" (A cell shape that approximates a cylinder.), "exactMatch" (cylinder), "inScheme" (http://thesauri.lifewatchitaly.eu/PhytoTraits/), "prefLabel" (Cylinder), and "scopeNote" (http://phytoplankton.lifewatch.unisalento.it/Products/AtlasOfShapes.aspx?ID_Gruppo=2).

