

# Catalogue Discovery Object (Draft)

The catalogue discovery object allows clients to discover resources registered in a catalogue, by providing three operations named `queryCatalogue`, `catalogueDescription`, and `catalogueDomain`. This object is always implemented by catalogue service implementations.

|                                |   |
|--------------------------------|---|
| <b>Name:</b>                   | Catalogue Discovery   |
| <b>Description:</b>            | Discover the metadata available for a data asset or a set of assets   |
| <b>Correspondence:</b>         | Engineering Viewpoint: <a href="#">discover asset configuration</a>   |
| <b>Operations:</b>             | <p><b>queryCatalogue</b></p> <p>This operation enables formulating a query against a catalogue and return the url to the query result or table formatted output (depending on the size of the result)</p> <p><b>describeCatalogue</b></p> <p>Allows clients to retrieve a description or reference to the structure (schema), queryables, element sets, and formats of the metadata used for one or more registered resource types.</p> <p><b>catalogueDomain</b></p> <p>Allows clients to retrieve domain values for the different metadata elements</p> |
| <b>API Template:</b>           | <a href="#">discovery_service_api.yaml</a>  |
| <b>Based on</b>                | Discovery class of the <a href="#">OGC Catalogue Services 3.0 - General Model</a>   |
| <b>Example technologies</b>    | <p><a href="#">pycsw</a>: an OGC CSW server implementation written in Python</p> <p><a href="#">CKAN</a>: CKAN can harvest CSW data when importing records and includes a CSW server to present a CSW interface to its own data.</p>  |
| <b>Support in other models</b> | <a href="#">Australia's</a> : National Environmental Information Infrastructure: Reference Architecture   |