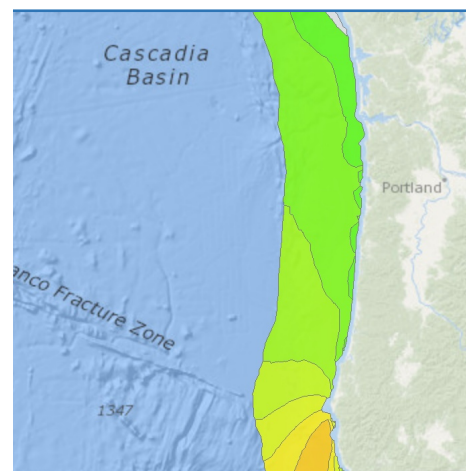# Data Sharing for Oregon Offshore Wind Planning

The Bureau of Ocean Energy Management (BOEM) and the State of Oregon (the State), led by the Oregon Department of Land Conservation and Development (DLCD), are committed to offshore wind energy planning with a data gathering process to inform potential leasing decisions. In partnership with the BOEM Oregon Intergovernmental Renewable Energy Task Force (Task Force), BOEM and DLCD developed the *Data Gathering and Engagement Plan for Offshore Wind Energy in Oregon*, which outlines the activities BOEM and the State will conduct to gather information to inform the Task Force and offshore wind energy leasing decisions. The plan can be found at: **www.boem.gov/Oregon.**

The DLCD, in partnership with BOEM, is developing a data catalog and map viewer within the West Coast Ocean Data Portal to provide public access to the best available data throughout the planning process. The Oregon Offshore Wind Mapping Tool (OROWindMap), which can be found at **https://offshorewind.westcoastoceans.org**, has been developed to compile the collected data and information. This powerful planning tool accesses relevant datasets and provides visualization capabilities to inform the planning process for offshore wind energy leasing in federal waters offshore Oregon. The inclusion of new data sets will help inform the public, the State, and the Bureau of Ocean Energy Management during the planning process. Below are the criteria for inclusion of new data sets in OROWindMap.

➤ Data sets depict coastal and ocean characteristics (e.g., biological, physical) or human uses that are relevant to planning for offshore wind energy development in federal waters offshore Oregon.

➤ Data sets include the State (and its Territorial Sea) or federal waters offshore Oregon; however, data that encompasses the entire West Coast are ideal.

➤ Data sets are geospatial, ideally in a GIS format, but may be in a tabular format with coordinates.

➤ Data sets include standards-compliant metadata. The basic information required for metadata is outlined below, and more information can be found at **http://wcodp.readthedocs.io/**.

If there is an information product that is relevant to this process but is not geospatial or tabular, please contact the West Coast Ocean Data Portal (WCODP) Administrator at portal.westcoastoceans@sccwrp.org.

Metadata help document the details of data sets, including who created it, when it was created, and why it was created. All data in OROWindMap have, at a minimum, the following metadata associated with them:

- Title
- Abstract / Description
- Use Limitations / Constraints
- Bounding Box Coordinates in Latitude/Longitude (decimal degrees)
- Keywords
- Date Published
- Contacts
  - Originator
  - Publisher
  - Distributor
- URLs for data download, web services, kml, web application, documentation

If the metadata meet the requirements of the Federal Geographic Data Committee (FGDC) endorsed standards (https://www.fgdc.gov/metadata/geospatial-metadata-standards), then it will meet the WCODP requirements.

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Once geospatial data sets and associated metadata are organized, there are two ways that the data sets can be included in Oregon Offshore Wind Mapping Tool (OROWindMap):

A. The data are already published as a GIS web service.

This is the preferred and easiest way to include the data. It is highly recommended that web services be OGC-compliant or exist as an ArcGIS version 10.x REST service. Follow the steps below:

➤ Identify the specific geospatial data and web mapping services to share.

➤ If not done already, create standards-compliant metadata for the geospatial data or web mapping services.

➤ Publish the metadata via a Web Accessible Folder (WAF), a Catalog Service (CSW), or through a regional portal or clearinghouse.

➤ Contact the WCODP Administrator at **portal.westcoastoceans@sccwrp.org** with the above information, and the data sets will be harvested and included.
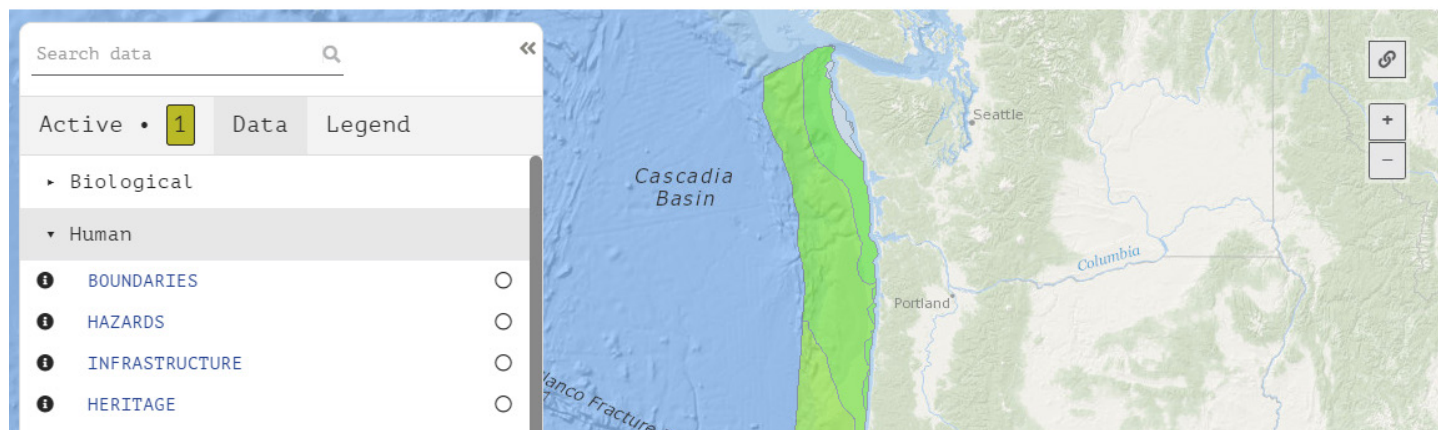
B. If data are not published, then the State will publish them.

If the data sets are not published, then share them via a web service with the State. The State will host them and the author will be given credit for its creation. Follow the steps below:

➤ Identify the specific geospatial data sets to share.

➤ Create standards-compliant metadata for the geospatial data sets.

➤ Send the data sets and metadata to the WCODP Administrator at **portal.westcoastoceans@sccwrp.org**.

Contact the WCODP Administrator at portal.westcoastoceans@sccwrp.org for further questions on including your data in OROWindMap

Learn more about the Oregon offshore wind energy planning process by visiting www.boem.gov/Oregon

Sign up to stay informed about offshore wind energy planning in Oregon and future BOEM activities in Oregon at www.boem.gov/OregonUpdate