



# EMODnet Partnership for China and Europe - Strengthening international ocean data through the EU's ocean diplomacy with China

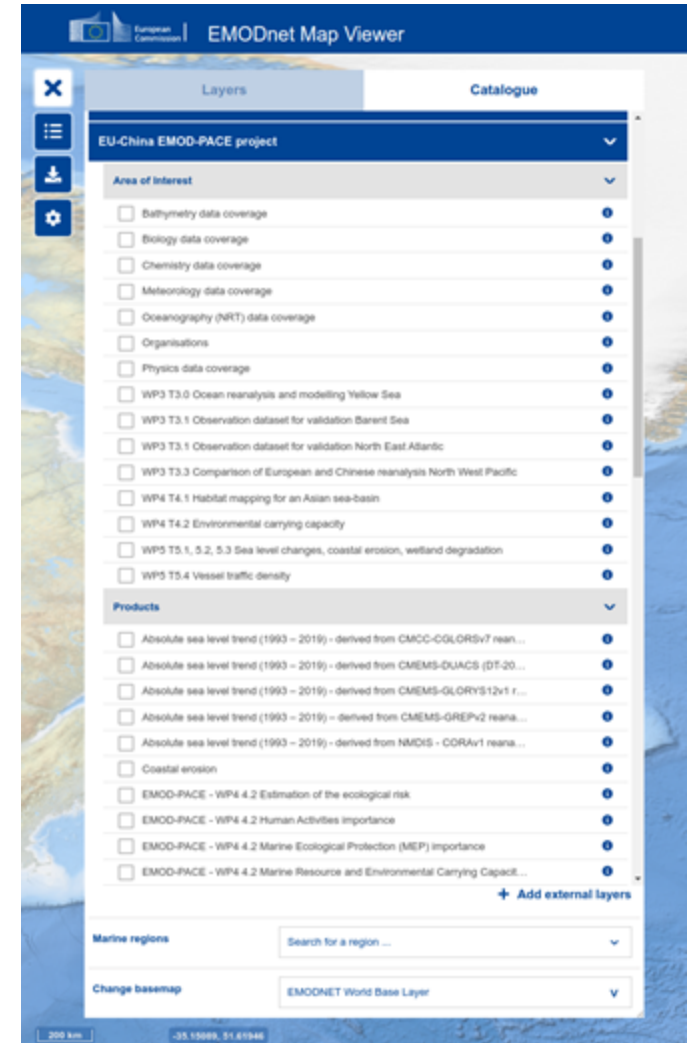
MKEG 29/11/2002

Frederic Leclercq



# Map viewer

- Catalogue:
  - Area of interest
  - Products  
ca. 65 products (more to be added)

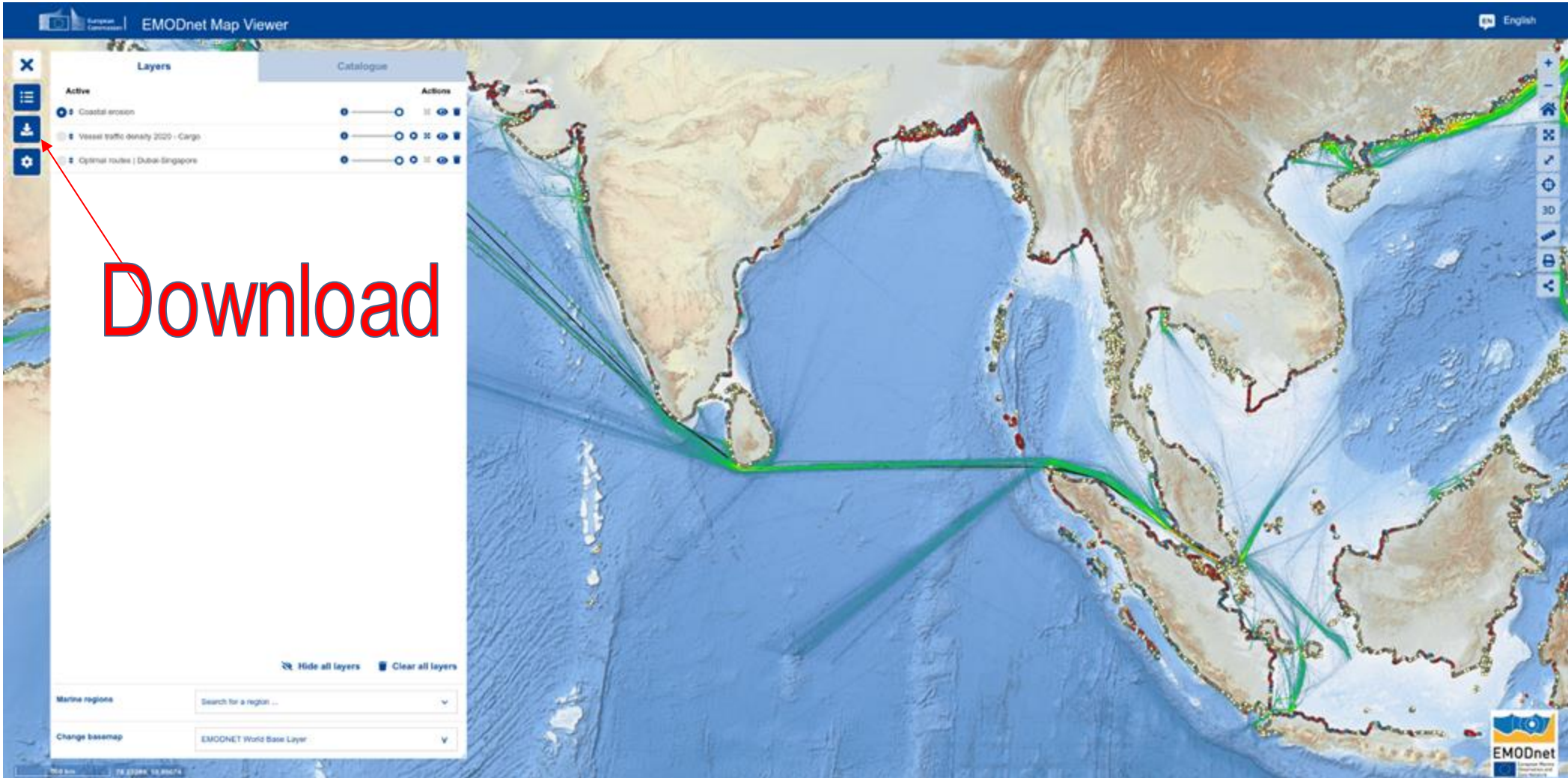




# Map viewer: functionalities

- Filter layers
- Animated layers
- Bathymetry depth profile
- Share map (copy/paste link with filters)
- Change basemap
- Add external WMS layers
- 3D view
- Zoom to extent
- ...
- Subset & download (raster & vector)

# Map viewer: viewer

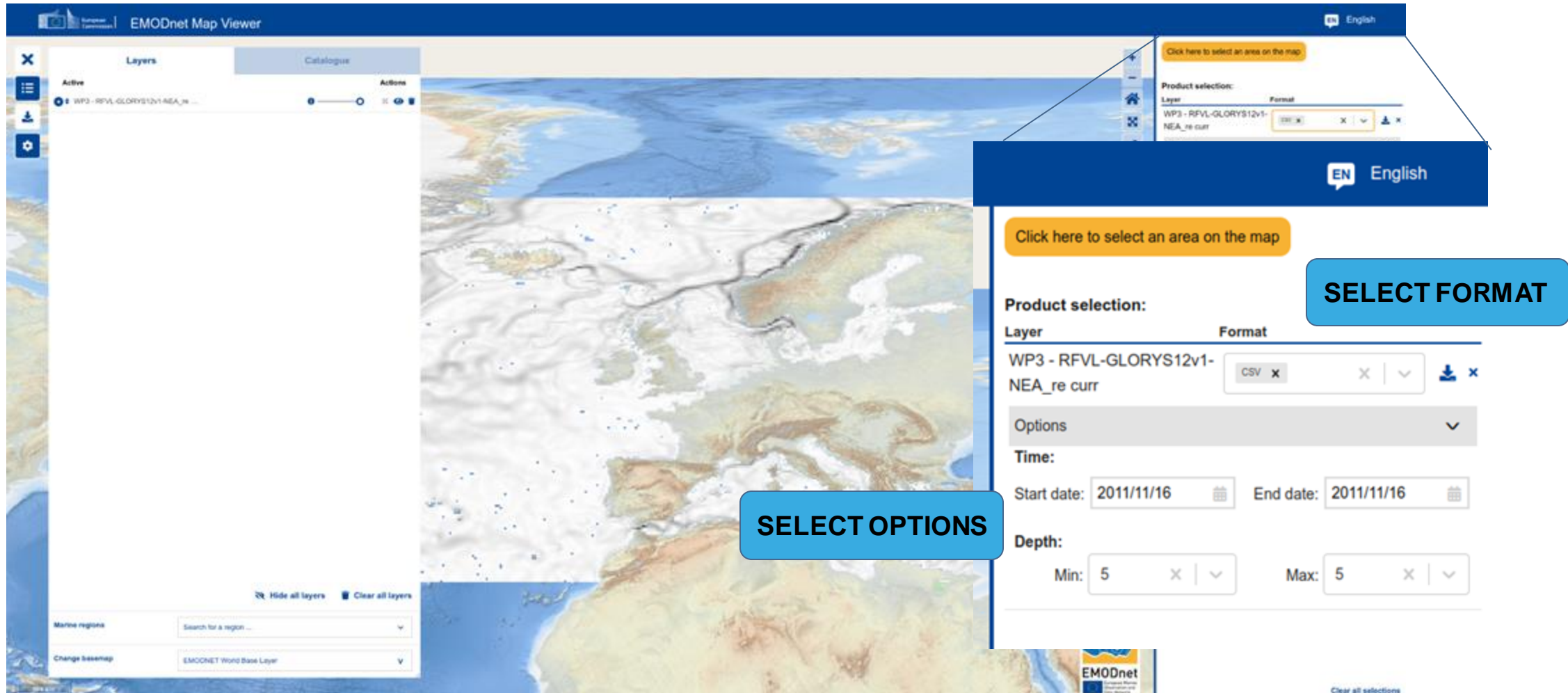


The screenshot displays the EMODnet Map Viewer interface. The main map shows the Indian Ocean region with shipping routes and coastal erosion data. The left sidebar contains a 'Layers' panel with three active layers: 'Coastal erosion', 'Vessel traffic density 2020 - Cargo', and 'Optimal routes | Dubai-Singapore'. A red arrow points to the 'Download' icon in the sidebar. The top navigation bar includes the EMODnet logo, the text 'EMODnet Map Viewer', and a language selector set to 'English'. The bottom of the interface features a search bar for 'Marine regions' and a 'Change basemap' dropdown menu set to 'EMODNET World Base Layer'.

**Download**



# Map viewer : Download



The screenshot displays the EMODnet Map Viewer interface. On the left, there is a 'Layers' panel with an active layer 'WP3 - RFVL-GLORYS12v1-NEA\_re curr'. The main area shows a bathymetric map of the North Atlantic. On the right, a 'Product selection' panel is open, featuring a table with columns for 'Layer' and 'Format'. A blue callout box labeled 'SELECT FORMAT' points to the 'Format' dropdown menu, which is currently set to 'CSV'. Below the table, there are 'Options' for 'Time' (Start date: 2011/11/16, End date: 2011/11/16) and 'Depth' (Min: 5, Max: 5). Another blue callout box labeled 'SELECT OPTIONS' points to the 'Options' section. A yellow button at the top of the panel says 'Click here to select an area on the map'. The interface also includes a language selector set to 'English' and a 'Clear all selections' link at the bottom right.

| Layer                             | Format |
|-----------------------------------|--------|
| WP3 - RFVL-GLORYS12v1-NEA_re curr | CSV    |

Options

Time:

Start date: 2011/11/16 End date: 2011/11/16

Depth:

Min: 5 Max: 5

# Map viewer: result



ERDDAP > griddap > Make A Graph

Dataset Title: **Horizontal Velocity (3D), Monthly Mean**

Institution: Mercator Ocean (Dataset ID: pace\_RFVL-GLORYS12v)

Information: Summary | License | FGOC | ISO 19115 | Metadata | Background | Data Access Form | Files

Graph Type: surface

X Axis: longitude

Y Axis: latitude

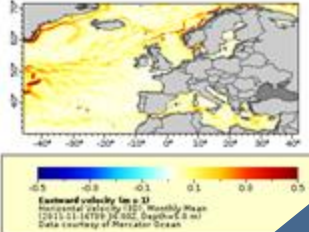
Color: curr

Dimensions: time (UTC) Start: 2011-11-16T09:36:00Z Stop: 2011-11-16T09:36:00Z

depth (m): 5.0

latitude (degrees\_north): 30.125 to 71.875

longitude (degrees\_east): -45.875 to 41.875



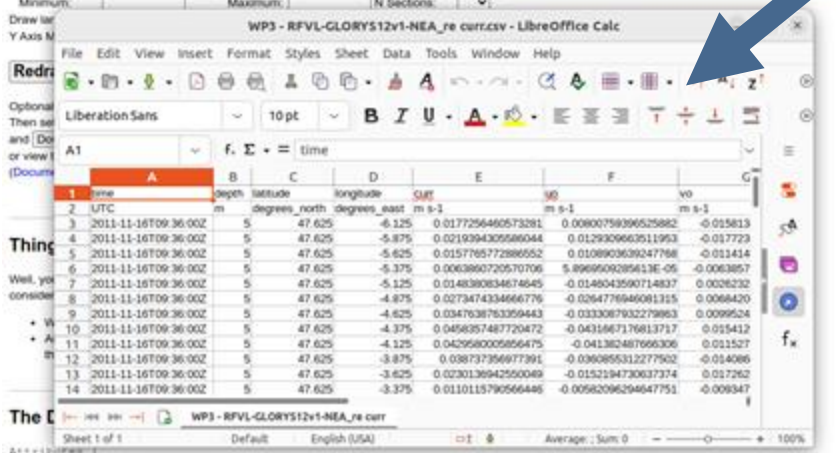
## ERDDAP

- o subset / basic wms

Download (subset) data (e.g. CSV)

## GEONETWORK link:

<https://emodnet.ec.europa.eu/geonetwork/srv/eng/catalog.search#/metadata/23b00034794c50777c0c65de05990aeda97e2ecb>



| time                 | depth | latitude      | longitude    | curr               | 3D                   | VO        |
|----------------------|-------|---------------|--------------|--------------------|----------------------|-----------|
| UTC                  | m     | degrees_north | degrees_east | m s-1              | m s-1                | m s-1     |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -6.125       | 0.0177256460573281 | 0.008007583960525882 | -0.015813 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -5.875       | 0.0219394309586044 | 0.0129309663011953   | -0.017723 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -5.625       | 0.0157765772886552 | 0.0108903639247768   | -0.013414 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -5.375       | 0.0063890720570706 | 5.8969609289613E-05  | -0.006389 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -5.125       | 0.0148380834674645 | -0.0148043590714837  | 0.0026232 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -4.875       | 0.0273474334666776 | -0.0264776946081315  | 0.0068420 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -4.625       | 0.0347038763359443 | -0.0333087932279863  | 0.0099524 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -4.375       | 0.0456357487720472 | -0.0431667176813717  | 0.015412  |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -4.125       | 0.0429560005656475 | -0.041362487669306   | 0.011527  |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -3.875       | 0.038737356977391  | -0.0360855312277502  | -0.014086 |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -3.625       | 0.0230136942550049 | -0.0152194730637374  | 0.017262  |
| 2011-11-16T09:36:00Z | 5     | 47.625        | -3.375       | 0.0110115790566446 | -0.00582096294647751 | -0.009347 |

# Catalogue



**EMODnet Map Viewer**

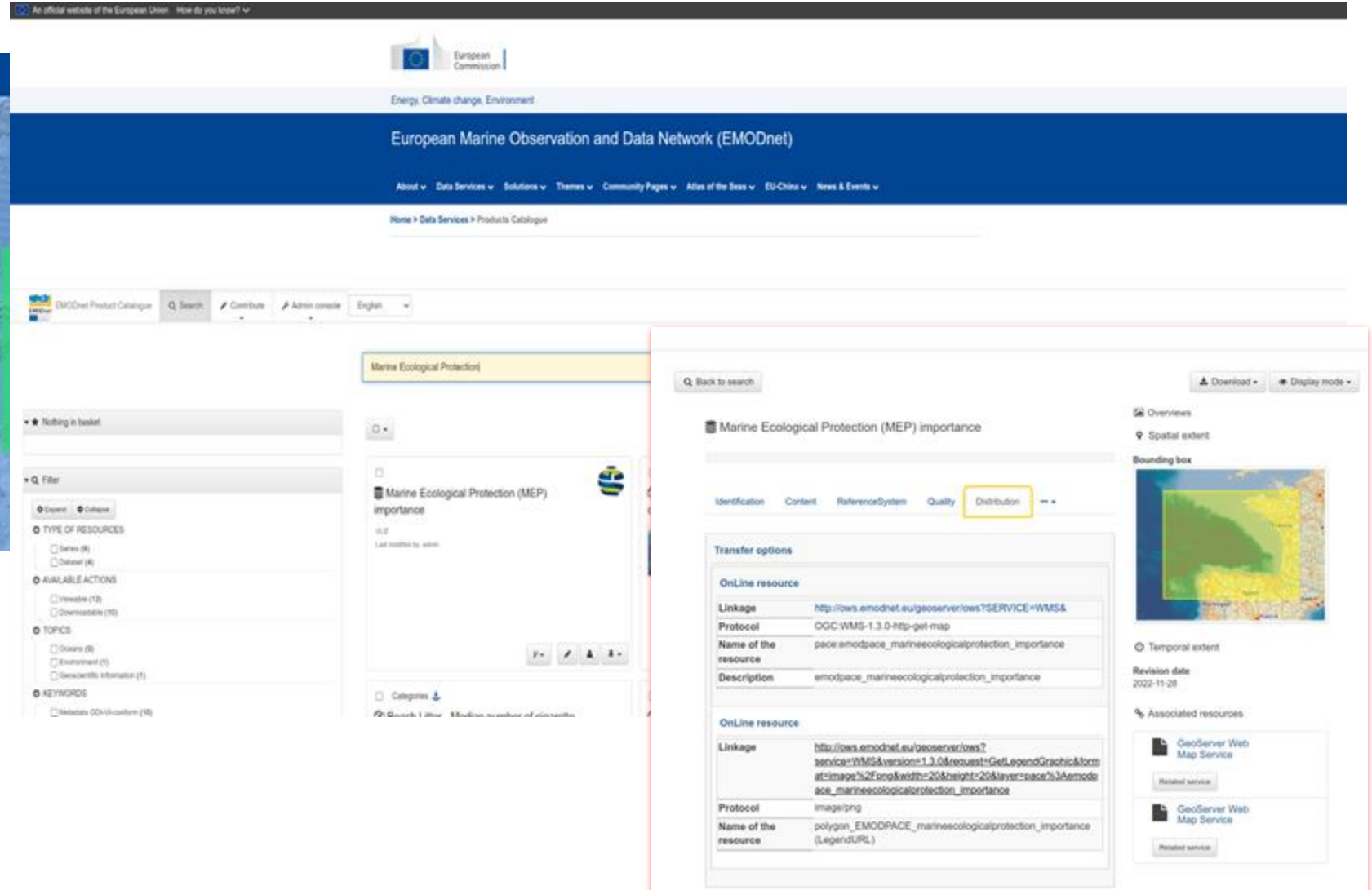
Layers | Catalogue

Search: marine

- Administrative units >
- EMODnet Chemistry >
- EMODnet Geology >
- EMODnet Human Activities >
- EMODnet Seabed Habitats >
- EU-China EMOD-PACE project >

**Products**

- EMOD-PACE - WP4 4.2 Marine Ecological Protection (MEP) importance
- EMOD-PACE - WP4 4.2 Marine Resource and Environmental Carrying Capacity ...



An official website of the European Union. How do you know? v

European Commission

Energy, Climate change, Environment

**European Marine Observation and Data Network (EMODnet)**

About | Data Services | Solutions | Themes | Community Pages | Atlas of the Seas | EU-China | News & Events

Home > Data Services > Products Catalogue

EMODnet Product Catalogue | Search | Contribute | Admin console | English

**Marine Ecological Protection (MEP) importance**

Nothing in basket

Filter

- Expand | Collapse
- TYPE OF RESOURCES
  - Series (6)
  - Dataset (4)
- AVAILABLE ACTIONS
  - Viewable (12)
  - Downloadable (10)
- TOPICS
  - Oceans (6)
  - Environment (2)
  - Scientific information (1)
- KEYWORDS
  - Metadata OOI-Workflows (10)

Marine Ecological Protection (MEP) importance

W3C  
Last modified by admin

Categories

Back to search

**Marine Ecological Protection (MEP) importance**

Download | Display mode

Overview

Spatial extent

Bounding box

Identification | Content | ReferenceSystem | Quality | **Distribution**

**Transfer options**

**OnLine resource**

|                      |   |
|----------------------|---|
| Linkage              | http://ows.emodnet.eu/geoserver/ows?SERVICE=WMS&protocol=CGC-WMS-1.3.0-http-get-map |
| Protocol             | CGC-WMS-1.3.0-http-get-map  |
| Name of the resource | pace/emodpace_marineecologicalprotection_importance                                 |
| Description          | emodpace_marineecologicalprotection_importance                                      |

**OnLine resource**

|                      |  |
|----------------------|--|
| Linkage              | http://ows.emodnet.eu/geoserver/ows?service=WMS&version=1.3.0&request=GetLegendGraphic&format=image/png&width=20&height=20&layer=pace%3Aemodpace_marineecologicalprotection_importance |
| Protocol             | image/png  |
| Name of the resource | polygon_EMODPACE_marineecologicalprotection_importance (LegendURL)   |

Temporal extent

Revision date  
2022-11-28

Associated resources

- GeoServer Web Map Service
- GeoServer Web Map Service

# Future vision WP1

- Continue EMODnet **CP developments**  
-> PACE will automatically benefit
- **Maintain** and monitor the PACE system & components  
-> assures future communication & possible meeting w/ NMDIS
- Use **ODINWESTPAC & ODIS** to (automatically) include (Asian) data(centers), using existing or new technologies (i.e. LOD)
- Create **technology package** page (i.e. OGC, ERDDAP) to encourage regional/global hubs to join EMODnet
- Create model comparison VRE/demonstrator in the **EDITO Infra** (EU Digital Twin Ocean)
- VLIZ joining **OGC** as a member