



*Your gateway to marine data in Europe*

# EMODnet – Phase III

*Work Package 2: Monitoring*

Deliverables 2.3 Online Survey and 2.4 Targeted Assessment

Review of main outcomes and recommendations

EMODnet Secretariat

[secretariat@emodnet.eu](mailto:secretariat@emodnet.eu)



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## D2.3 Online Survey: Introduction & background

- ④ **Objective** Online Survey: strengthen interpretation of how the marine and maritime communities:
  - use EMODnet as it exists
  - how they would like to see it develop in upcoming EMODnet centralisation
  
- ④ Most important findings of the previous EMODnet phase (2018 & 2019):
  - Need for:
    - key services to be more 'front and centre'
    - supporting documentation to the webservices, and also user tutorials
    - increased inter-connectivity between the Central Portal ↔ Thematic Portals



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# Online Survey: Approach

📡 User survey launched online: 27 July → 7 October 2020

📡 11 main questions (multiple-choice & single answer questions with text boxes)

- 📡 Promotion:
- Permanent web banner on all Thematic Portals
  - Twitter
  - LinkedIn, Facebook
  - Newsletters: EMODnet & World Ocean Council
  - EurOcean website

11/10/2020

**CENTRAL PORTAL**  
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## Online survey questionnaire 2020

*EMODnet, an essential tool for scientists, engineers, managers and policy makers who are analysing the state and dynamics of Europe's seas, undergoes continual development to ensure that it meets the needs of users. In the next phase of EMODnet, all data and data products should be findable, visible and downloadable through the central portal. Individual thematic groups will maintain their servers but not their websites. Instead, they will ensure that their application programming interfaces are compliant and participate in the management of content of the central portal. User feedback will feed into this process and help us continuously improve for the future.*

1. Country \*
  - Select -
2. Organisation type \*
  - Select -
3. Which EMODnet Central Portal key services do you use? \*
  - Catalogue
  - Map viewer
  - Query tool
  - Data and web services
  - All
  - I use EMODnet as an information source
  - None
4. In the next EMODnet development phase, the Central Portal Data Services will be extended to include data products and allow search, find, and retrieve functions for all EMODnet datasets from the different thematic domains. This will be possible simultaneously, either via manual or machine to machine communication. How do you rate this upcoming development? \*
  - Select -
5. Which EMODnet data portal(s) do you visit most often? \*
  - Bathymetry
  - Biology
  - Chemistry
  - Oceanography
  - Human Activities
  - Physics
  - Seabed Habitats
  - None yet, as it's my first visit
6. How are you using the data you retrieve from EMODnet? Do you use EMODnet data in any of the following ways: \*
  - A desktop GIS
  - Python
  - R
  - A machine learning application
  - Other
7. Do you prefer to: \*
  - Access EMODnet data as a web service
  - Download EMODnet data manually
  - Other
8. Do you feel any key services are missing from the Central Portal? \*
9. Do you have any recommendations for improving our services? \*
10. Have you, or anyone you know, used EMODnet data resources in an interesting and noteworthy way? \*
  - Yes
  - No
11. I agree to be contacted by the EMODnet team for a follow up on the questionnaire \*
  - Yes
  - No

### LATEST NEWS

**Ten Years of EMODnet in Ten Minutes**  
22 Sep 2020  
We are delighted to share this short documentary film which captures the EMODnet story over the last ten years.

**Follow the lead of EU Commissioner Sirkka-Liisa and #ExploreYourOcean in 24 languages!**  
19 Sep 2020  
Even more informative and accessible, discover the new European Atlas of the Seas!

**Upcoming Blue Cloud Webinars this Autumn**  
25 Aug 2020  
Save the date for upcoming webinars in Autumn 2020 on the European H2020 project Blue-Cloud

[View All](#)

### EVENTS

**Save the date - PHIDIAS Webinar**  
"Steps forward in detection and identification of anomalous atmospheric events"  
13 Oct 2020  
Webinar

**Save the date - Blue Cloud Webinar: Fish, a matter of scales - Expanding cross-domain digital resources for fisheries management**  
The webinar will focus on Fish, a matter of scales, the pilot demonstrator managed by the Fisheries and Aquaculture Department of the Food and Agriculture Organization (FAO), the French National Research Institute and the Institute of Computer Science at FORTM.  
14 Oct 2020  
WEBINAR

**Save the date - Marine data to support aquaculture in the North Atlantic**  
The workshop "Marine data to support aquaculture in the North Atlantic", jointly organised by EATIP, DG MARE, DG DEFIS, Copernicus Marine and EMODnet, will be held on **October 20 and 21** (both days from 10 to 13 CET) as a virtual and highly interactive event, using tools for on-line discussions and co-creation.  
20 Oct 2020 to 21 Oct 2020

[View our previous events](#)

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The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) No 598/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

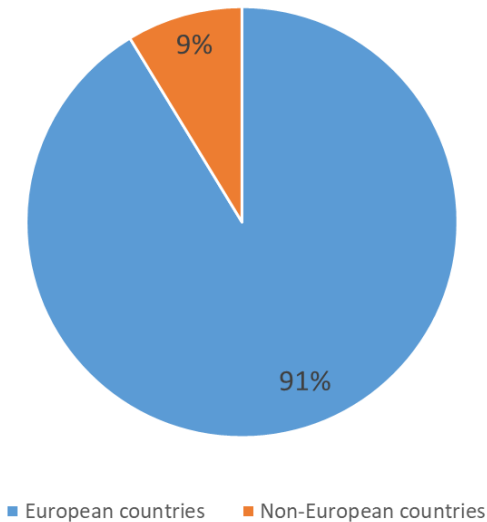


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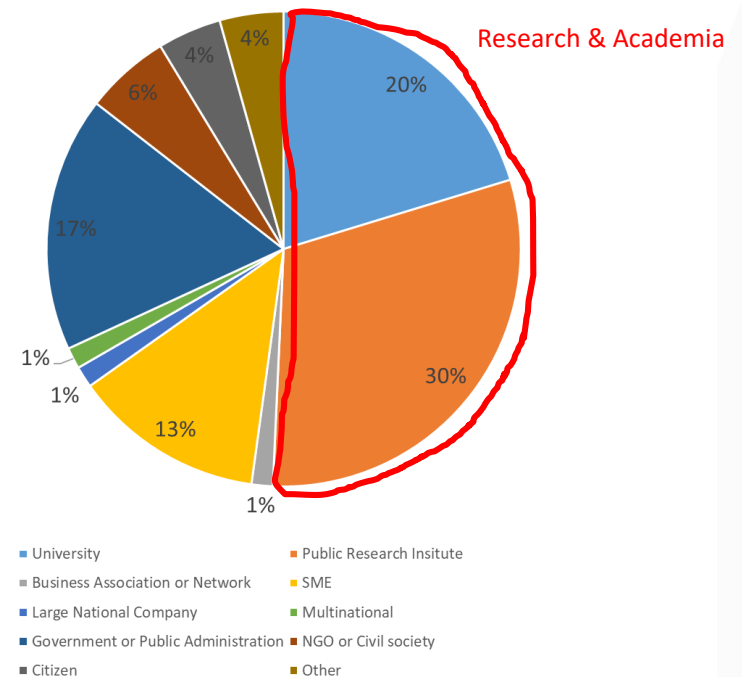
# Online Survey: Results – Identification survey respondents

 **69** respondents completed the survey

Q1. Country



Q2. Organisation type



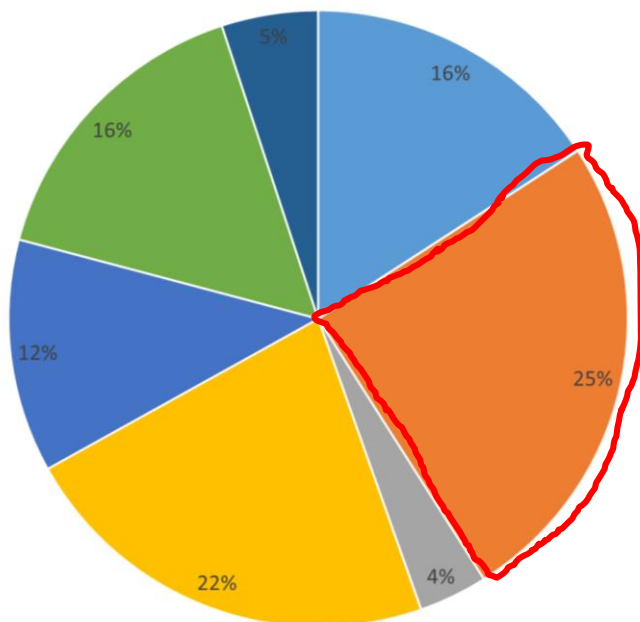


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# Online Survey: Results – Use & Quality of EMODnet services

Q3. Which EMODnet Central Portal key services do you use?



■ Catalogue ■ Map viewer ■ Query tool ■ Data and web services ■ All ■ I use EMODnet as an information source ■ None

Most used key service (Central Portal and Thematic Portals)

➤ Map viewer (second most for Chemistry)

User recommendations:

- **Completeness metadata:**
  - Transparency about data provenance
  - Maintenance of metadata
  - Clearer information on how data products are made
- Need for **high-level** statistical breakdown on the landing page of what is available
- **Integration** of the different themes (download different levels simultaneously)



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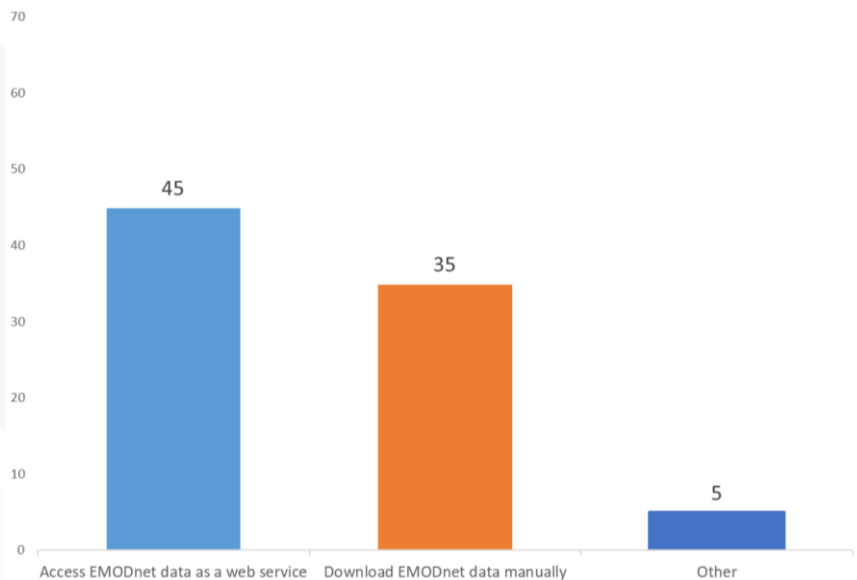


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# Online Survey: Results – Access and Application EMODnet data

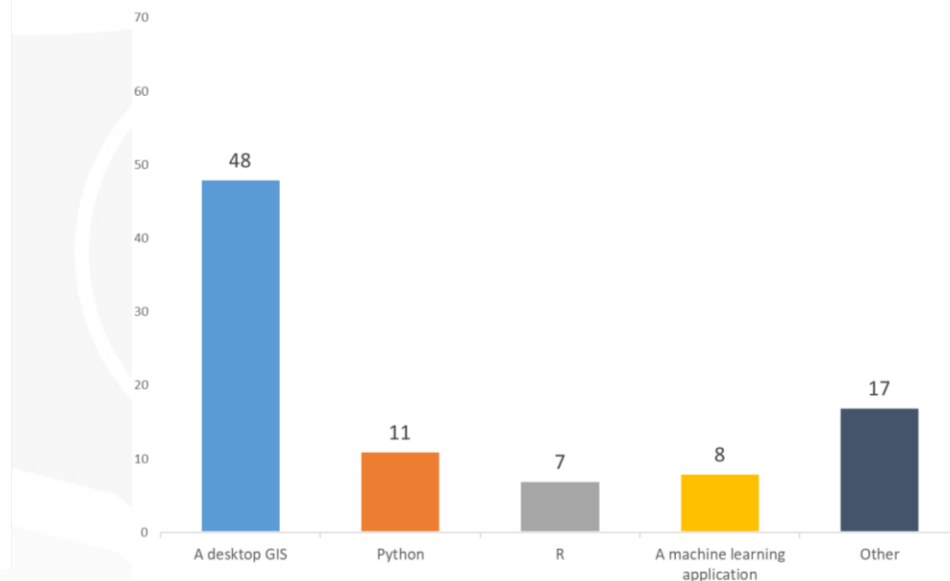
📡 Downloading of data & access via web services = both important options

Q7. Do you prefer to



📡 Desktop GIS preferred method to use EMODnet data

Q6. How are you using the data you retrieve from EMODnet?







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# Online Survey: Summary conclusions & recommendations

- ① Community supports the vision objectives for EMODnet centralisation
- ① Need for harmonised approach to access and download data across Thematic Portals
  - Centralisation:
    - 1 single point of access
    - continue to support data download options & web services
    - 1 map viewer to perform geospatial queries
- ① Besides data products, also availability of data as a web service
- ① Importance of data curation and up-to-date and full metadata
- ① Interoperability of EMODnet catalogue with other catalogues
- ① Provision of unambiguous data licence to data and products





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## D2.4 Targeted Assessment: Introduction & background

- ④ **Objective** Targeted Assessment: solicit feedback on how the marine and maritime communities:
  - use EMODnet as it exists
  - how they would like to see it develop in upcoming EMODnet centralisation
  
- ④ One-to-one assessments with EMODnet users → allow more detailed feedback on the same aspects from different user groups



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# Targeted Assessment: Approach

📡 Targeted Assessments process: 16 August → 7 October 2020

📡 4 main questions, and sub-questions for each (30 minute-interview)

1. *Is there an EMODnet data service or product that you use often - or would recommend?*
2. *Would you like EMODnet and your entity to promote one another?*
3. *EMODnet is now ten years old, in your opinion has it been successful in reaching its goal so far i.e. collecting and providing access to accurate EU marine data?*
4. *There are major updates to EMODnet happening. It is being consolidated to one central EMODnet portal. What (in order or priority) would you like to see there in terms of data services and data products?*



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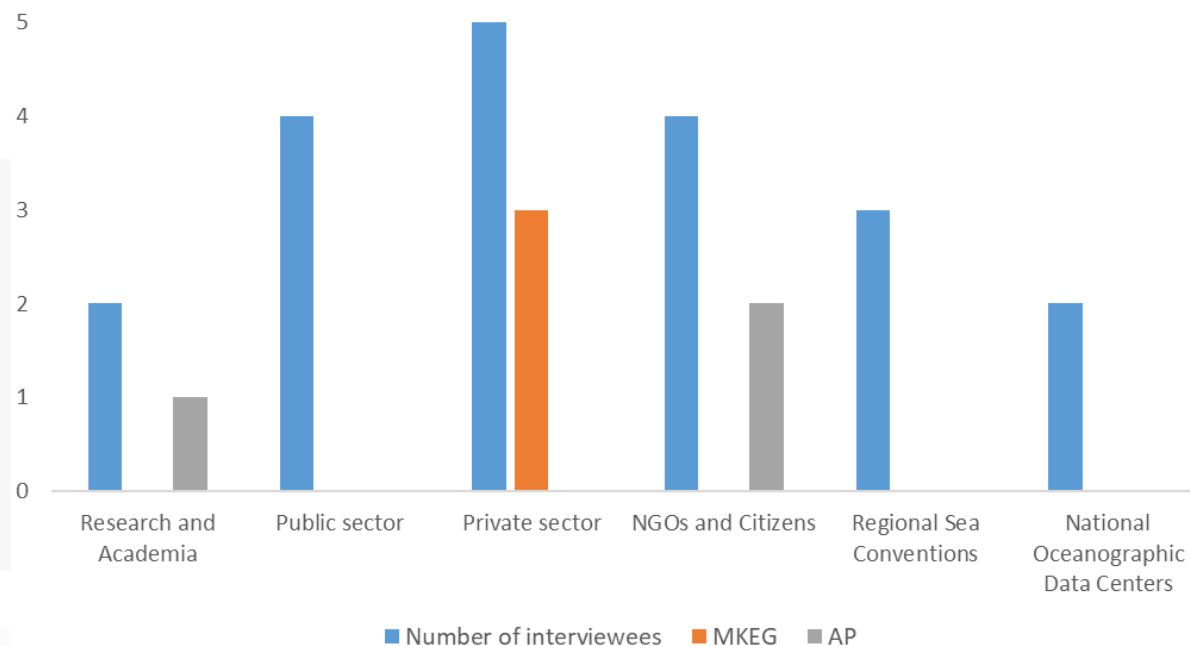


# Targeted Assessment: Approach

Interviewees (20) from various user groups:

- Research & Academia
- Public sector
- Private sector
- NGOs and citizens
- Regional Sea Conventions
- National Oceanographic Data Centres

Number of interviewees per sector, and proportion of MKEG members and APs





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# Targeted Assessment: Results – EMODnet data services and products

## Data Access & Quality and Quality Assurance

- ④ Downloading as well as web services (~ OS results)
- ④ Reliability is crucial:
  - Knowing easily what exactly is available per theme
  - Findability and accessibility of data + products
  - Provision of properties (coverage in terms of spatial & temporal resolution)
  - Terms of Use
  - Complete, transparent and up-to-date metadata, for data + products
- ④ More promotion of data ingestion to absorb e.g. data collated as funded through public funds

## Data Application

- ④ EMODnet platform considered by many as a first approach to know what data and data products there exist



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# Targeted Assessment: Strengthening the Network

- ④ Would benefit from picking up dialogue to have a more structured coordination between RSCs and EMODnet Thematics at Secretariat level
  - e.g. How can EMODnet better assist RSCs work, through the development of data products according to the latter's needs and reporting requirements and assessments
- ④ Further elaborate/develop the Associated Partnership scheme
- ④ Obtain a better view and connection with marine data actors/developments at national levels



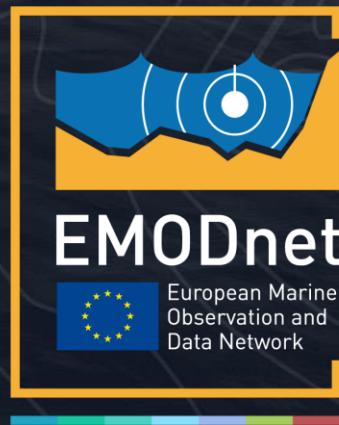
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# Targeted Assessment: Results – Goals achieved in 10years & to be achieved through centralisation

- ④ EMODnet seen as the primary and sole initiative to consolidate fragmented data
  
- ④ Continued efforts however necessary:
  - Addressing data/ coverage gaps
  - Continue tackling metadata challenges
  - Provide clearer data licenses
  
- ④ Centralisation is expected to:
  - Make data access easier
  - Make it possible to overlay data layers from different themes more readily through one map viewer
  - Make it clearer for the user what exists for data themes on the landing page



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