



EMODnet Phase III.2 Review of Main Outcomes & Recommendations of the 2021 Online survey and Targeted Assessment

15th EMODnet Steering Committee Meeting
8-9 September 2021

EMODnet Secretariat

secretariat@ec.emodnet.europa.eu

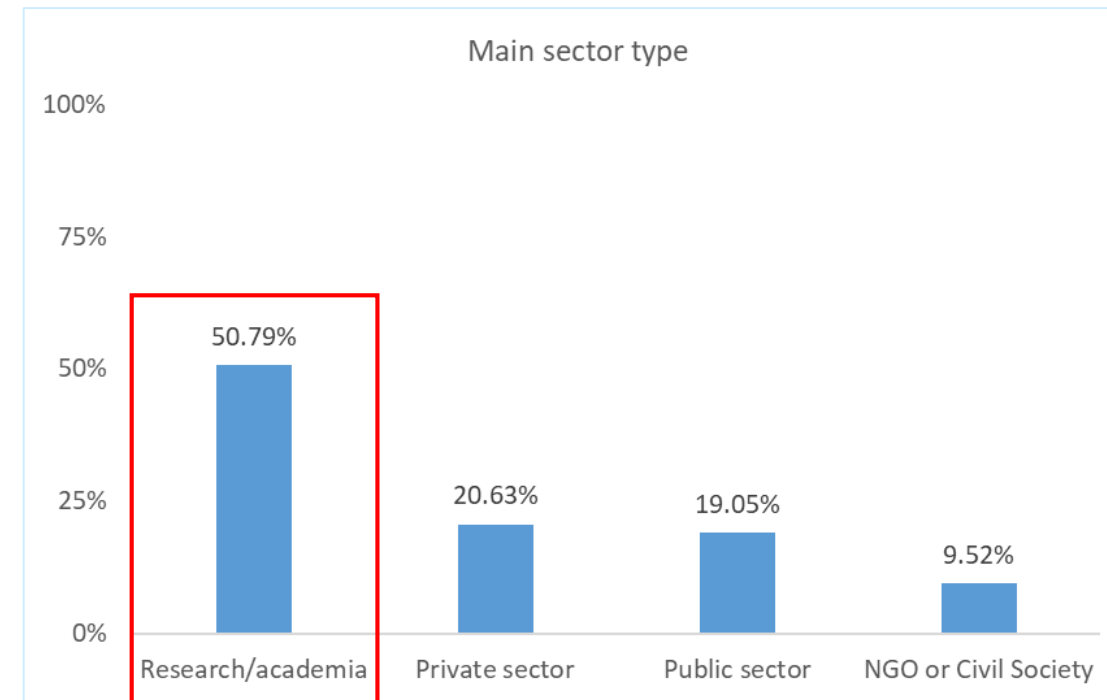
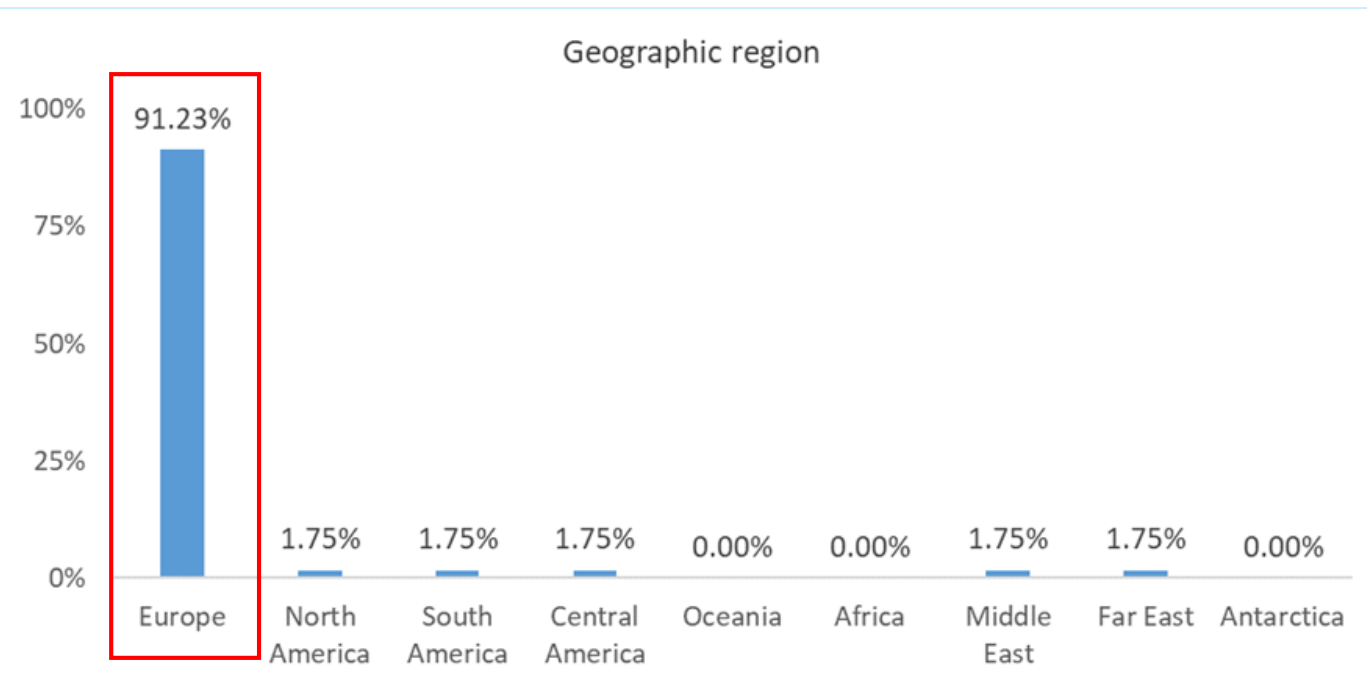
Online Survey 2021: Objective & Approach

- **Objective** Online Survey = strengthen interpretation of how the marine and maritime communities:
 - Use EMODnet as it exists (quality, user-friendliness, content, fit-for-purposeness of data & products)
- User survey launched online for 2 months (3 May - 9 July)
- EUSurvey tool:
<https://ec.europa.eu/eusurvey/home/welcome>
- 21 main questions (single & multiple choice; open questions)



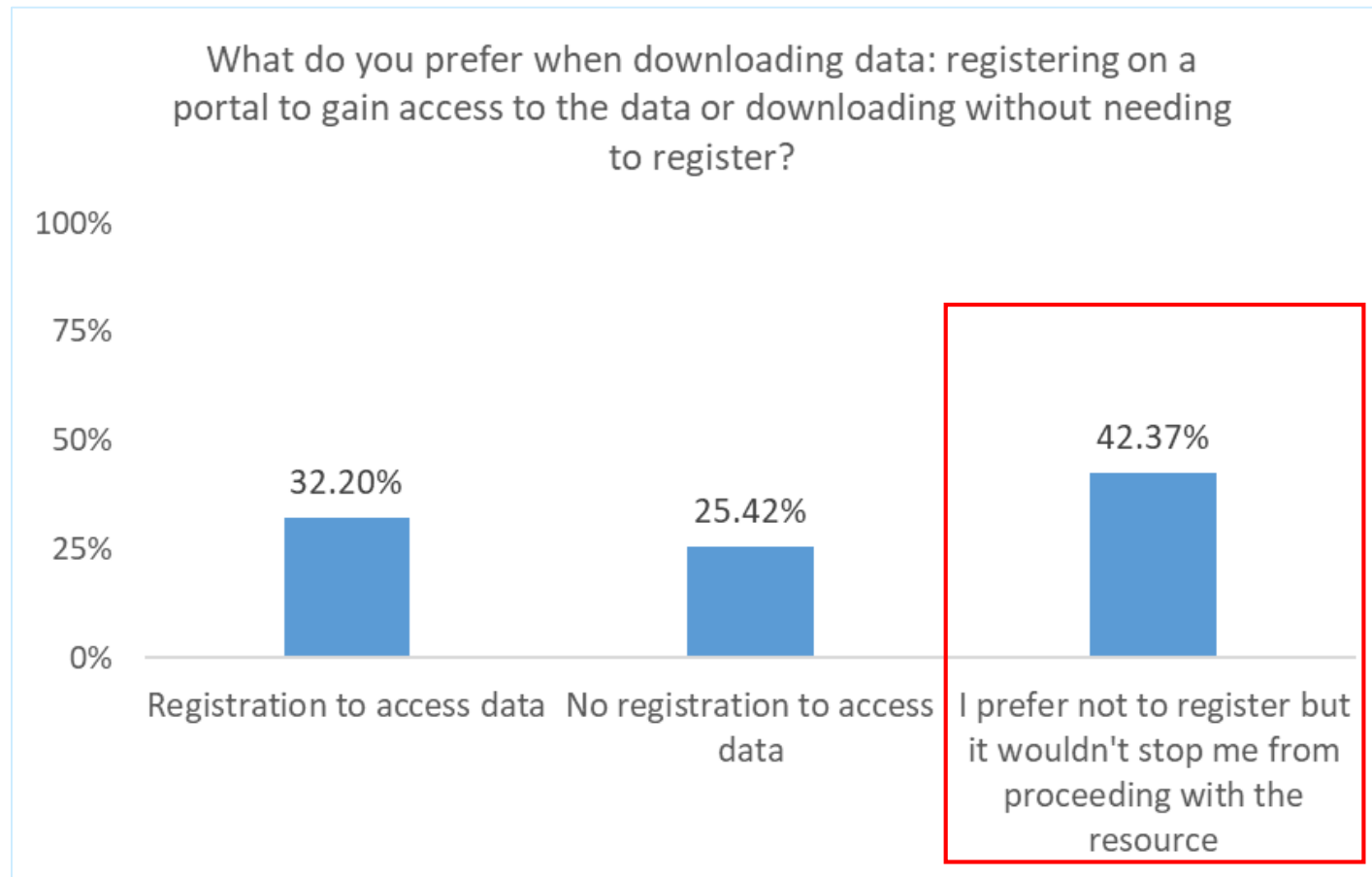
Online Survey 2021: Results – Identification survey respondents

- **59** respondents completed the questionnaire



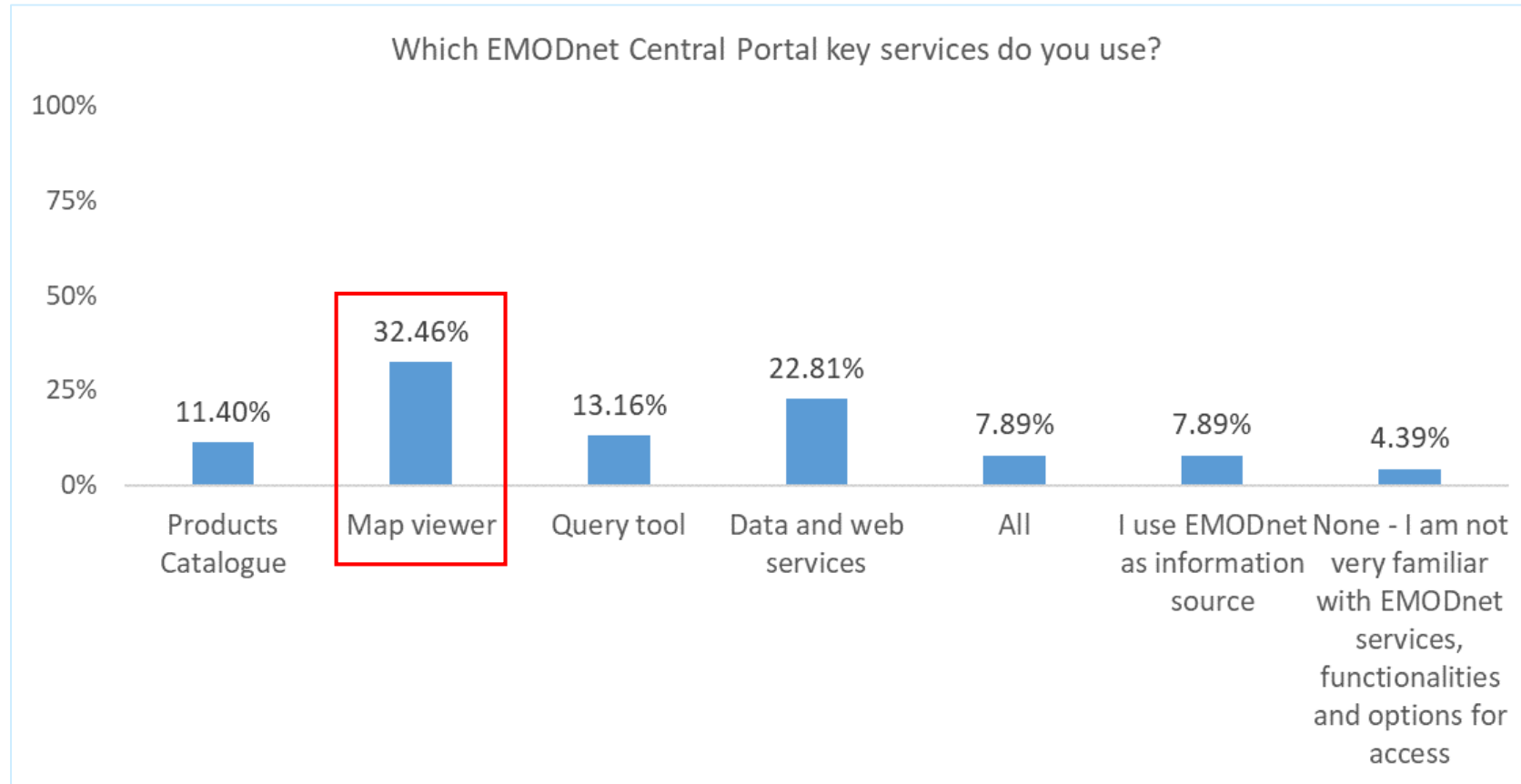
Online Survey 2021: Results – Accessibility EMODnet services

- More than 40% of the respondents “**prefer not to register to access and download data, but it would not stop them**”



Online Survey 2021: Results – Use & Quality EMODnet services

- **83%** find it **easy** to **navigate the Central Portal**
- The **Map Viewer** is most popular key service (**32.5%**)
- **62%** assessed **quality** of key services to be **good**



Online Survey 2021: Results – Use & Quality EMODnet services

- Do you feel any specific **dataset, product, or service** is **missing** in EMODnet?
34% indicated yes.

Data/products (missing):

- More data in coastal areas
- Access to historical data
- More datasets in Black Sea
- High-resolution **Bathymetry**
- Too low ratio 'produced **biological** data / biological data'
- Marine litter accumulation (**chemistry**)
- Detail **geological** maps
- Data related to fishery (**HA**)
- Short-term predictions from **Physics** observations
- **Sea bottom** sediment samples
- ... (*many more*)

Services (missing):

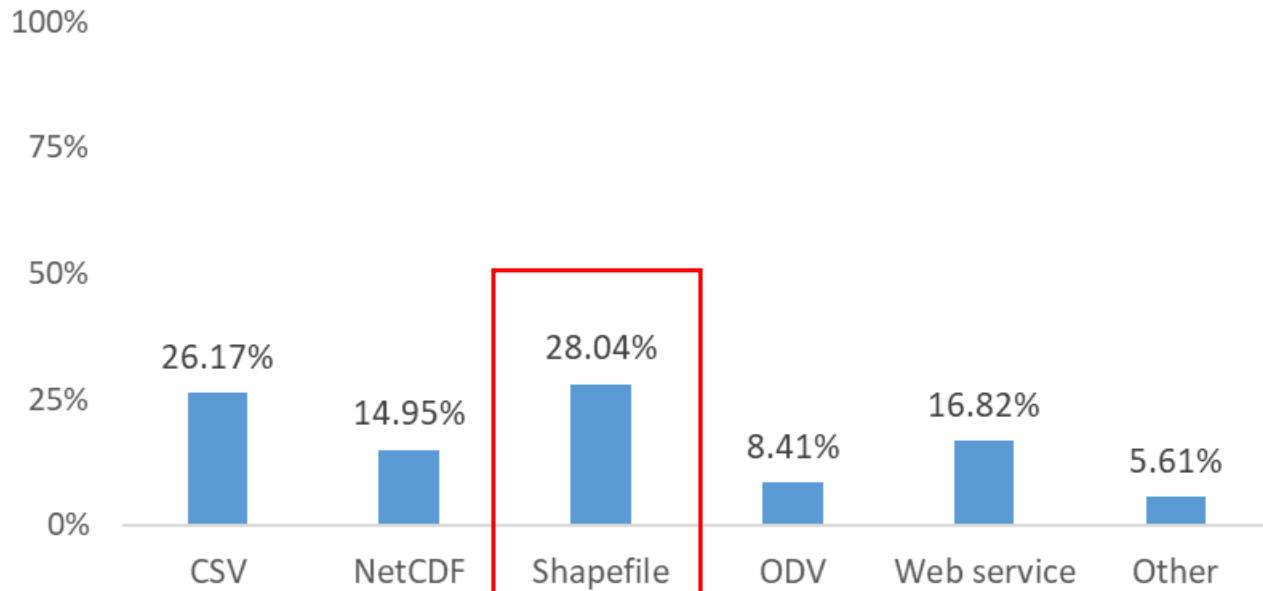
- Web-download service or Opendap NetCDF with compression
- Increased updating services to data of frequent change
- Increased availability services supporting feature/vector structures and coverage/grid structures
- Increased cross-thematic interoperability on data content level

Online Survey 2021: Results – Application of EMODnet data

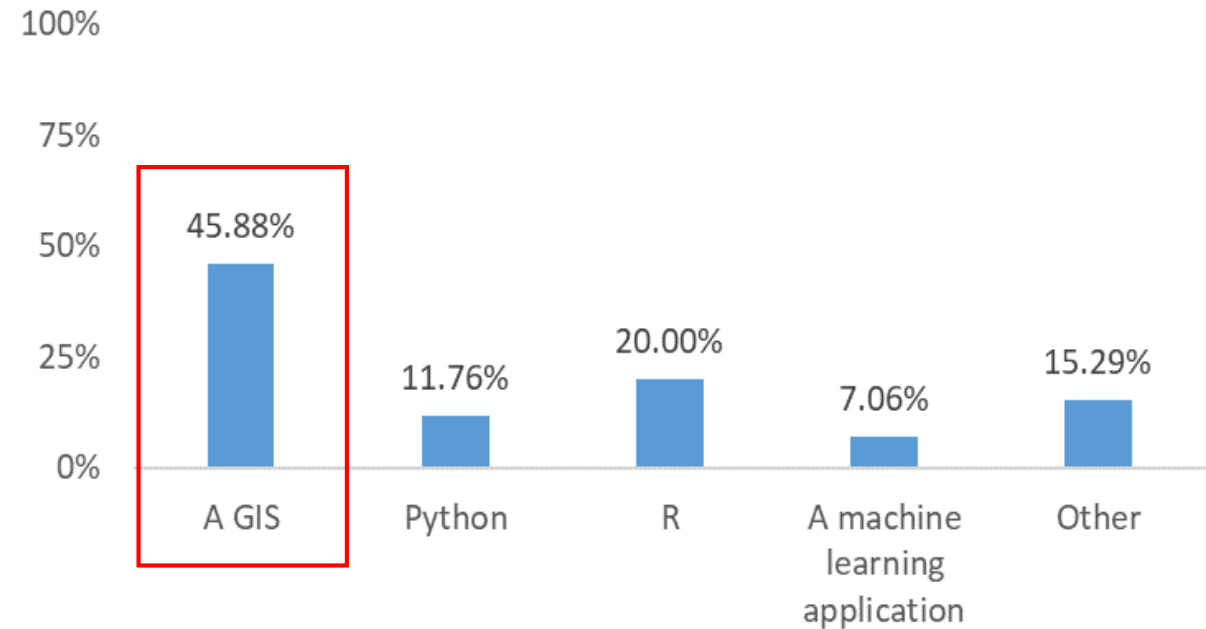
- **Shapefile** preferred download format

- **GIS** preferred method to use data

When querying and downloading data/data products, which data format options do you need/prefer to have available?

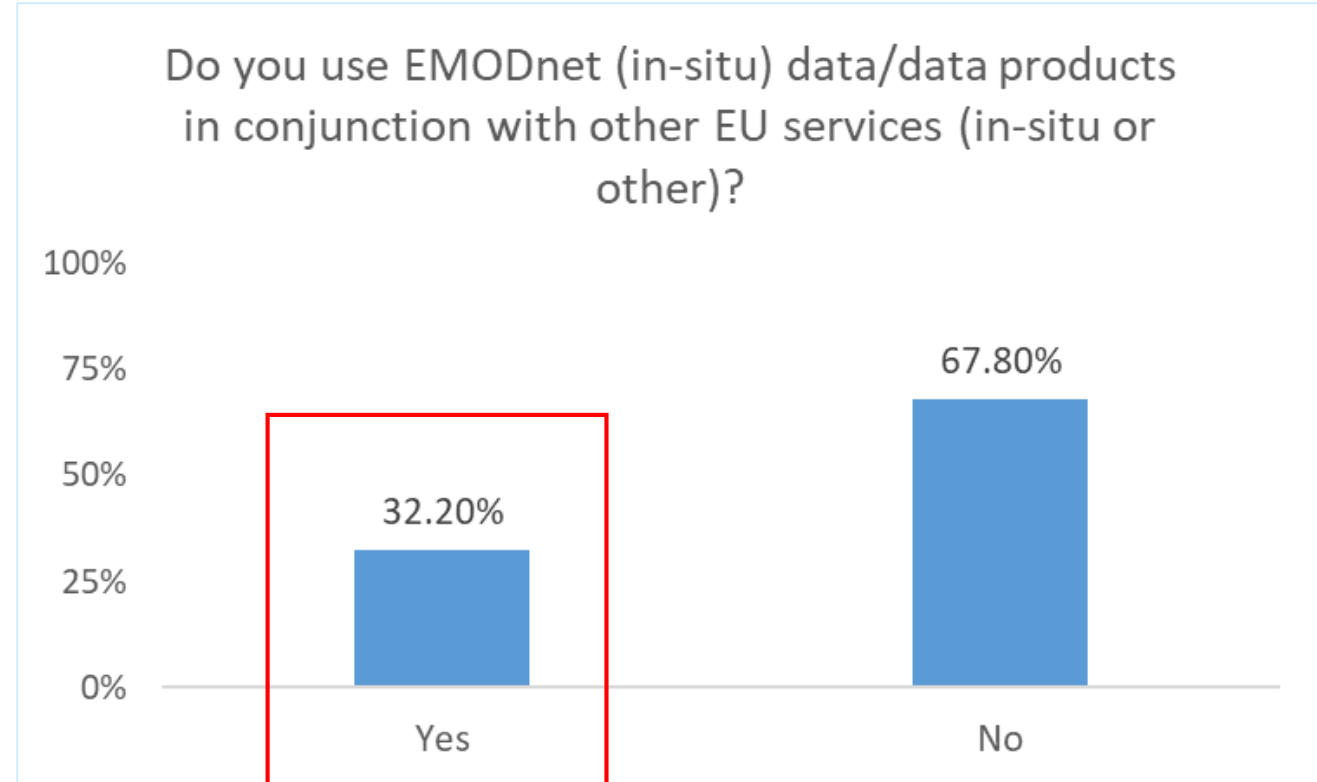


How are you using the data you retrieve from EMODnet?
Do you use EMODnet data in any of the following ways:



Online Survey 2021: Results – Other sources used by respondents

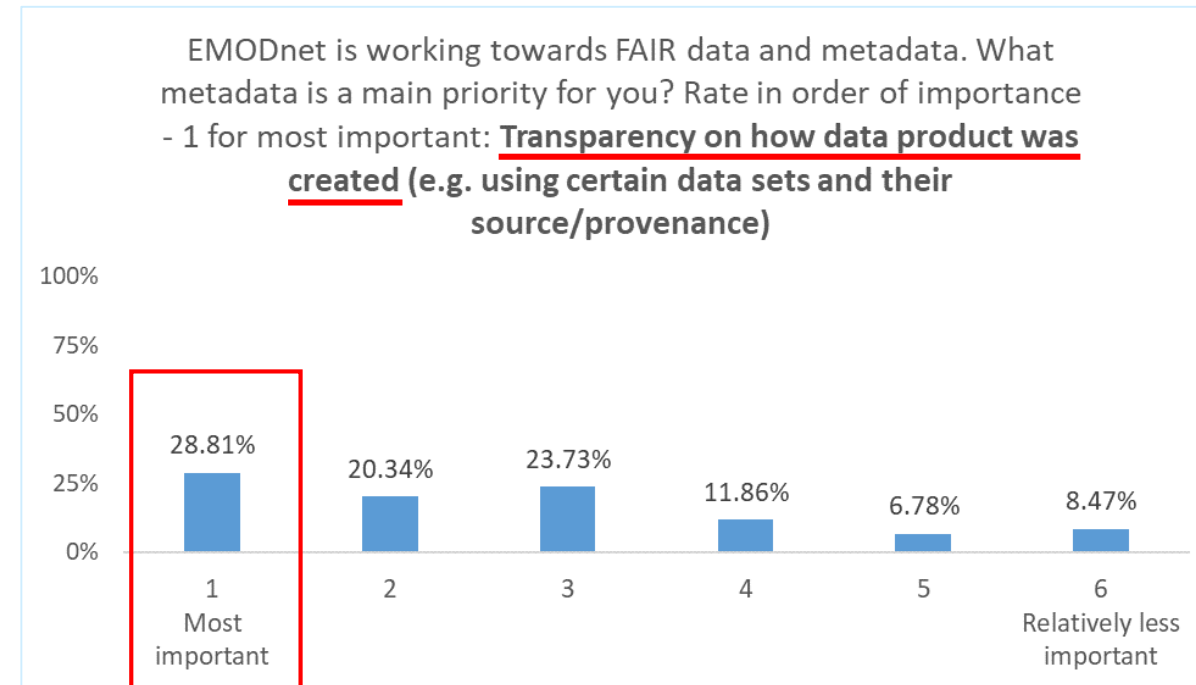
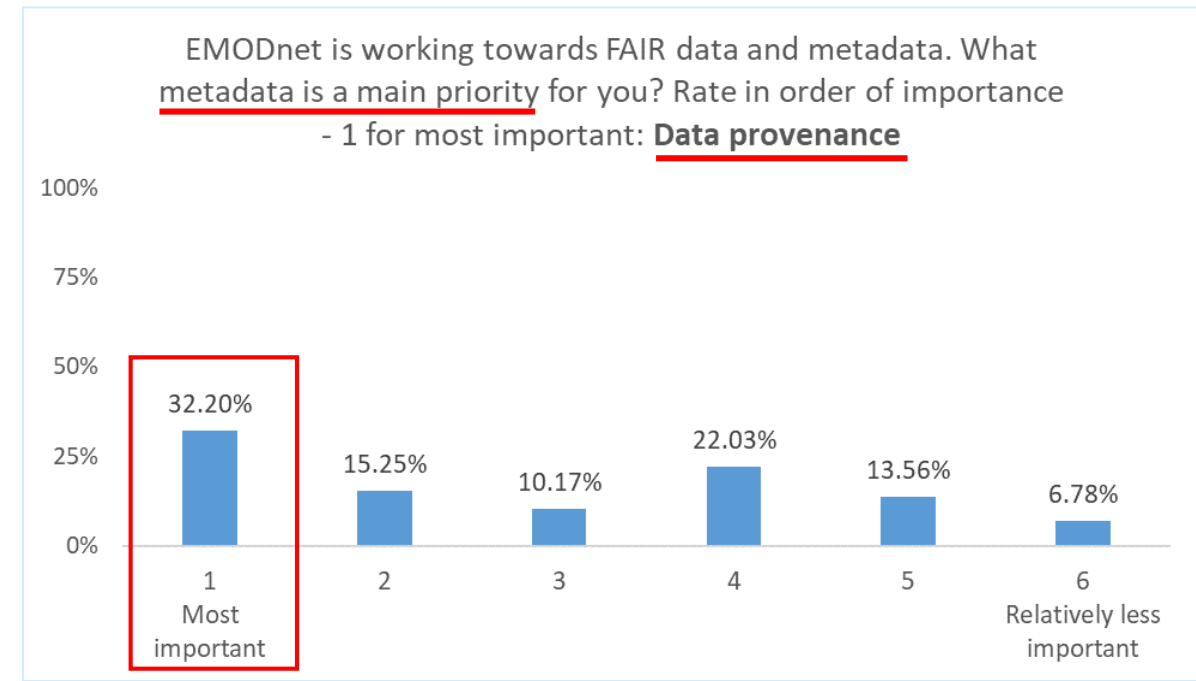
- Copernicus Marine Service
- Eurostat
- European Environment Agency (EEA)
- European Mediterranean Seismological Centre
- Fleet viewer meteo
- SeaDataNet (looks more user-friendly)
- OneBenthic
- NOAA
- Aquaculture stewardship council
- OceanColor
- Geopunt Flanders
- marinetraffic
- ... (*many many more*)



Online Survey 2021: Recommendations

Reinforcement recommendations of the OS 2020

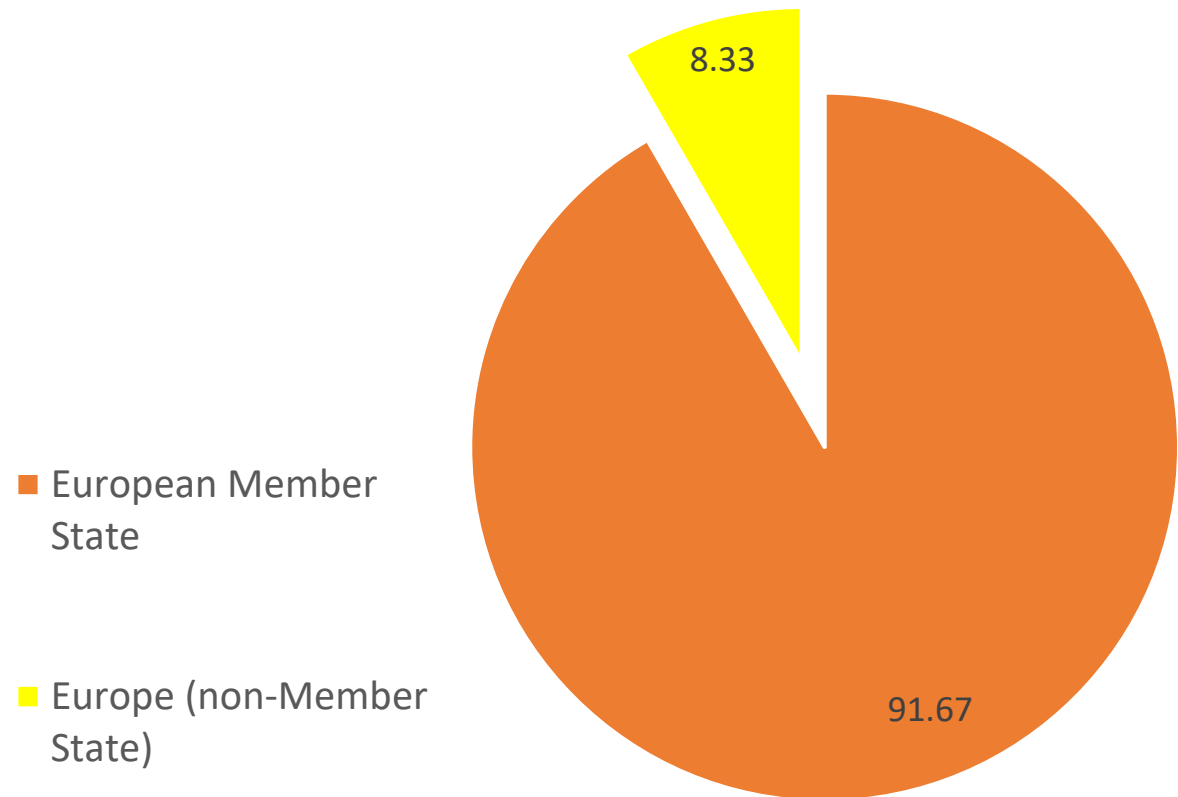
- Importance of access to high-quality **visualisation tools**
- Stable access to **web services**
- Complete and qualitative **metadata**, among others:
 - data provenance
 - data product creation transparency
 - last edit/update
- **Interoperability**



Targeted Assessment 2021: Objective & Approach

- **Objective:** understand better what industry needs from EMODnet going forward
- **Approach:** EU Survey tool questionnaire + follow-up interview
- **12** (of the 22 people asked), **completed EU Survey and interviewed**
- **11** interviewees from **European Member State**
- **1** interviewee from **UK**

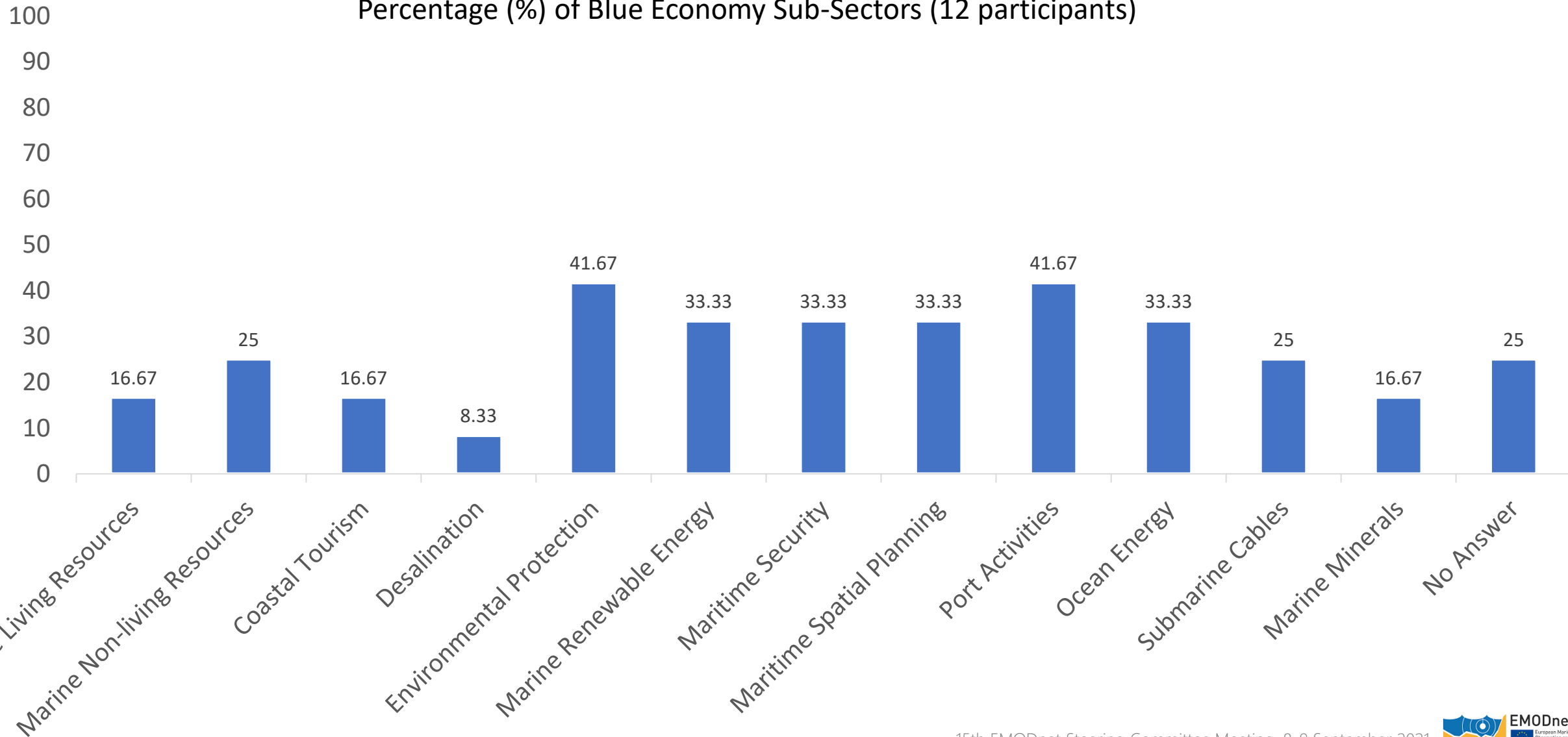
Percentage (%) Geographic Representation, i.e. the Location of Organisation Head-Quarters



Targeted Assessment 2021: Results – Blue Economy Sub-Sectors

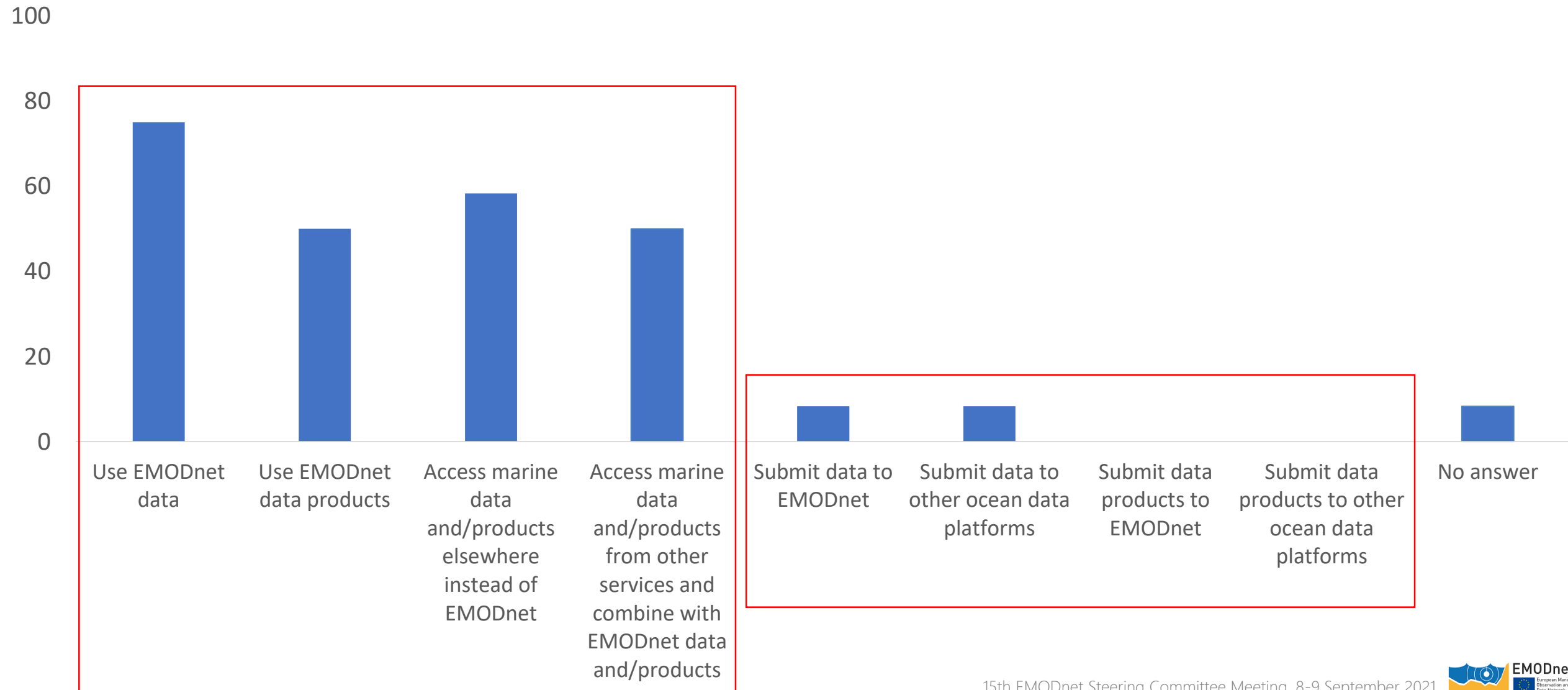
Multiple option question

Percentage (%) of Blue Economy Sub-Sectors (12 participants)



Targeted Assessment 2021: Results – Main modes of use of EMODnet

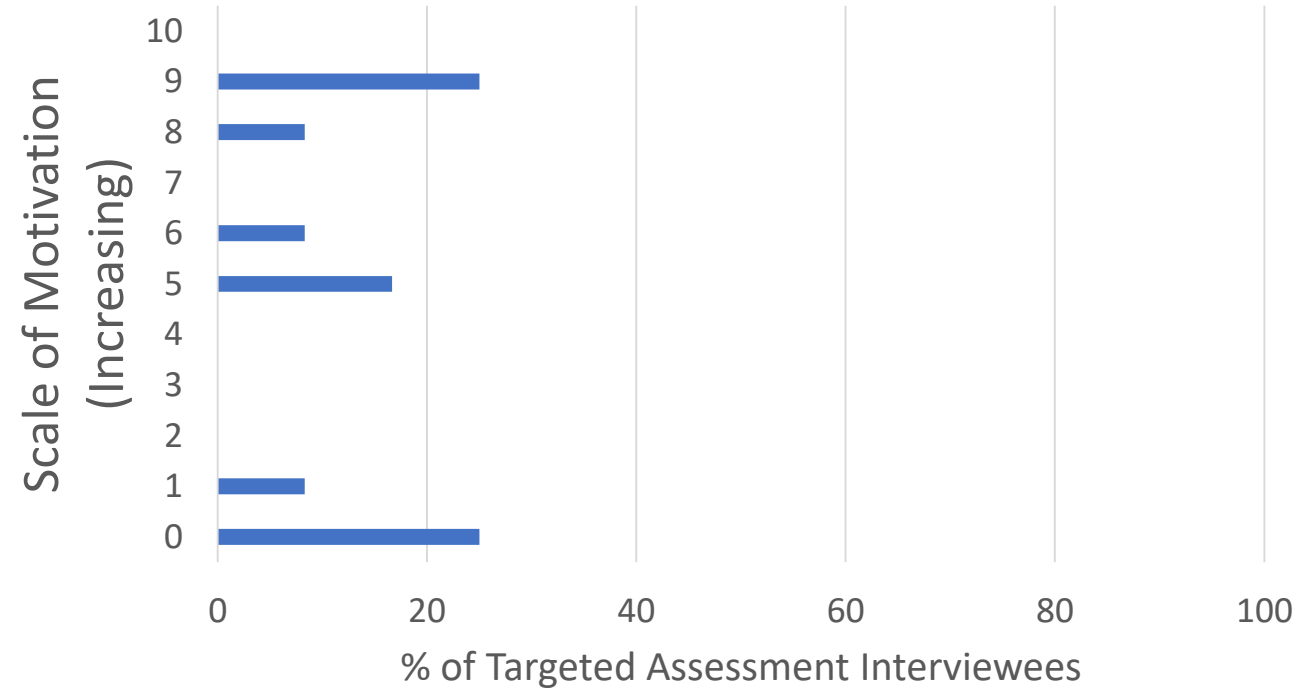
Main use of EMODnet (proportion in %) (12 participants)



Targeted Assessment 2021: Main Messages and Recommendations

➤ Win-win scenarios for EMODnet-industry collaborations

- Most interviewees: moderate motivation to become data provider
- Suggestions improving ingestion process:
 - Uptake of data by users
 - Tagging of data
 - Demonstrate added value
- Visual map showing EMODnet data contributors & partners
 - increase visibility
 - motivate becoming partner



Targeted Assessment 2021: Main Messages & Recommendations

➤ **Metadata**

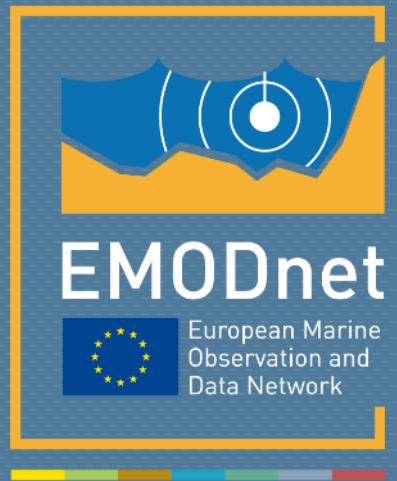
- Complete and up-to-date metadata = critical & invaluable
- Often missing: origin & accessibility of (raw) data behind data products
- Minimise costs and planning efforts

➤ **Data discoverability and visualisation**

- Search data by location
- Data licenses
- High-level metrics of EMODnet offer (spatial coverage and data density & quality)

➤ **Future outlook**

- Workshops for new users → promote centralisation
- Role of EC Sustainable Finance Regulations in EMODnet (e.g., through metadata)



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