

| Project Information | |
|---------------------------------|---|
| Project full title | EuroSea: Improving and Integrating European Ocean Observing and Forecasting Systems for Sustainable use of the Oceans |
| Project acronym | EuroSea |
| Grant agreement number | 862626 |
| Project start date and duration | 1 November 2019, 50 months |
| Project website | https://www.eurosea.eu |

| Deliverable information | |
|-------------------------|---|
| Deliverable number | D1.2 |
| Deliverable title | Map of BioEco Observing networks/capability |
| Description | This deliverable maps the locations and properties of sustained biological observing networks through Europe including identifying coordinating groups and data aggregators. Data come from a global survey of networks, supplemented by an analysis of sustained observations in OBIS (that receives all biological data from EMODNet). |
| Work Package number | 1 |
| Work Package title | Governance and Coordination of ocean observing and forecasting systems |
| Lead beneficiary | IOC/UNESCO |
| Lead authors | Lavenia Ratnarajah |
| Due date | 31.10.2020 |
| Submission date | 26.02.2021 |
| Resubmission date | 20.12.2021 (Executive Summary and Conclusions added) |
| Comments | The delay of the deliverable was caused by Covid-19 related disruptions causing some delay in recruitment plans and people taking up their roles remotely. Additionally, tasks undertaken to improve the deliverable, that were not foreseen in the outline, were taking additional time but were worthwhile to deliver an accurate mapping for the European Biological networks - The European observing system is complex and currently lacking cross-nation coordination in the biological space. The report and an initial map of the European Biological networks was reviewed internally by the EuroSea consortium. |



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862626.

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1. Executive Summary

This report maps the current state of the sustained ocean observing networks that monitor biological Essential Ocean Variables (EOVs), such as phytoplankton, microbes, zooplankton, benthic invertebrates, fish, birds, marine mammals, turtles, seagrass, macroalgae, hard coral and mangroves across Europe. To date, 363 marine monitoring programs have been identified across 29 European countries. This initial inventory of the sustained biological ocean observing system across Europe, will be developed into an online tool and the networks strengthened through action in EuroSea. Based on the monitoring programs identified, a workshop will be organised in 2021 to develop observation strategies, data sharing practises, and best practises and standards to strengthen and develop these vital ocean observing networks.

2. Map of BioEco observing networks/capability

The database of European marine monitoring programs was built upon the initial global survey undertaken as part of the PEGASuS/Future Earth project. The global survey sought to identify active marine monitoring programs and coordinating networks for biological Essential Ocean Variables (EOVs). These EOVs include phytoplankton, microbes, zooplankton, benthic invertebrates, fish, birds, marine mammals, turtles, seagrass, macroalgae, hard coral and mangroves. The survey identified 130 marine monitoring programs in Europe. Efforts through the EuroSea initiative identified an additional 233 active marine monitoring programs within the European region. Through the PEGASuS/Future Earth and EuroSea efforts, a total of 363 marine monitoring programs have been identified for the European region at present (Figure 1). The EuroSea project identified 30 European countries that undertakes national marine monitoring programs, and 20 regional monitoring programs that are administered by more than 1 European country or other global organisations (Table 1). In addition, Israel undertakes 2 monitoring programs in the Mediterranean region (Table 1). To date, 19 countries have no known marine monitoring programs, 15 of which are landlocked (Table 2). The 4 countries where marine monitoring programs have yet to be identified are: Bosnia and Herzegovina, Malta, Monaco and Montenegro.

A list of all marine monitoring programs identified to date (22 February 2021) is provided in Table 3. Within each country, marine monitoring programs can be administered by government bodies, academic institutions and/or non-governmental organisations. In some countries (e.g., Denmark, Estonia, Finland and Sweden), we have yet to identify marine monitoring programs that are administered by academic institutions and/or non-governmental organisations. In these countries, the marine monitoring programs identified are administered by government agencies (Table 3). This list is not exhaustive as online information on many marine monitoring programs, including the reporting, are only available in the country's native language. The list of marine monitoring programs (Table 3) will be continually updated to reflect incoming information and available to be viewed on the EuroSea website.

To date, 146 monitoring programs have been identified for phytoplankton in Europe, followed by 95 monitoring programs for zooplankton, 83 for benthic invertebrates, 66 for fish, 47 for microbes, 40 for marine mammals, 34 for birds, 30 for macroalgae, 15 for seagrass, 13 for turtles and 4 for hard corals. There are no monitoring programs for mangroves in Europe as they grow in sheltered tropical and subtropical coastal areas across the globe. However, some countries (e.g. France) have overseas territories where mangroves are monitored.

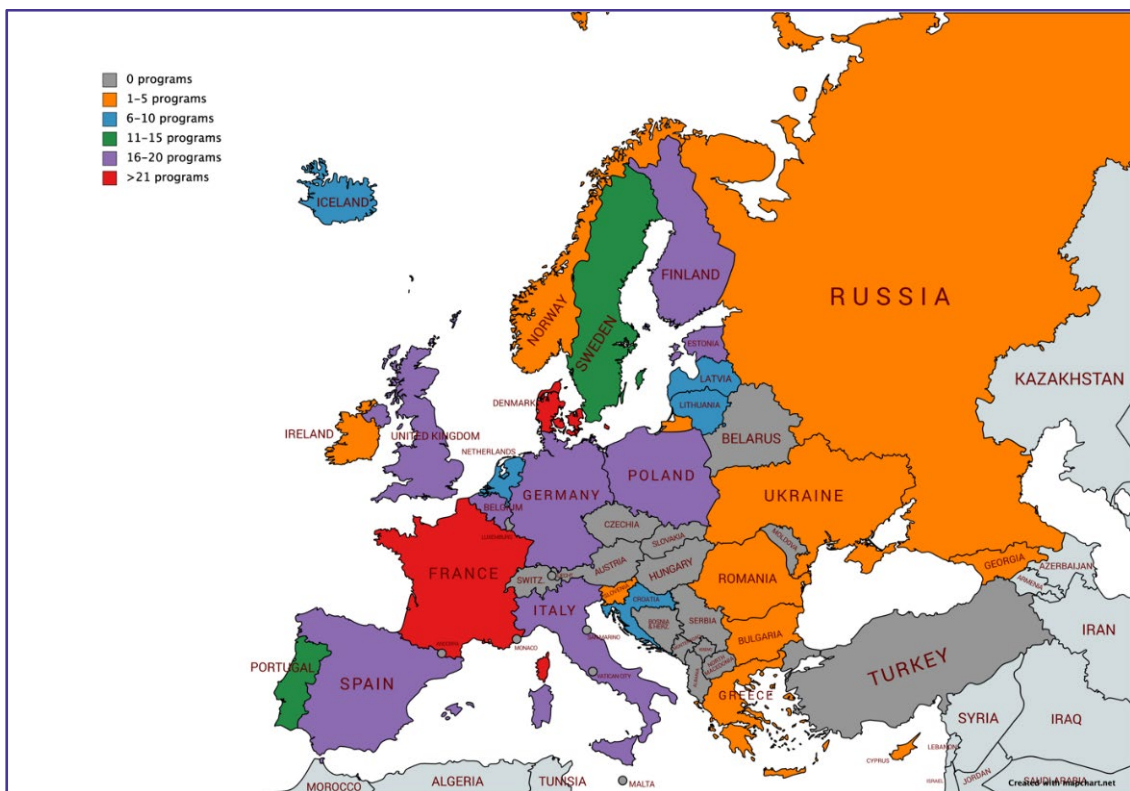


Figure 1. Number of marine monitoring programs for biological Essential Ocean Variables (EOVs) identified (up till 22 February 2021) within the European continent.

A 'live' global marine monitoring portal is being developed by the Global Ocean Observing System (GOOS) Biology and Ecosystem and Ocean Biodiversity Information System (OBIS) that will house all the information collected via the EuroSea and PEGASuS/Future Earth projects. The interactive map will allow users to select an EOV (or more) and the respective marine monitoring programs which monitor the selected EOV(s) will be populated onto the map. Clicking the map at a specific dot point will automatically provide details of the marine monitoring program, and where available, the link to the OBIS dataset. A preview of the portal is provided highlighting the global seagrass marine monitoring program (Figure 2). The development of this database and portal is ongoing with information on additional marine monitoring programs still being gathered as they are identified. A complete report (D1.4 Report on European BioEco networks) is due in January 2022 following on from the workshop to be held in late 2021. The workshop aims to reach an agreement on observation

strategies, data sharing practises, and best practises and standards whilst strengthening engagement with national and international research and observation programs across Europe.

3. Conclusions

In conclusion, there was a lot of interest and willingness to cooperate in this survey, however the survey highlighted the large variety of governance (e.g., academic institutions, government agencies etc.), Standard Operating Procedures/Best Practises as well as data and reporting structures being used. This indicates that there is both an appetite and a need for increased coordination for coastal monitoring in Europe and we anticipate good response to the next stage of this project - the regional workshops. The regional workshops will help build the EU regional monitoring community for the two prioritised coastal ecosystems. This is the first step in developing greater regional cooperation and improved regional scientific products which will lead to greater impact from the science being done.

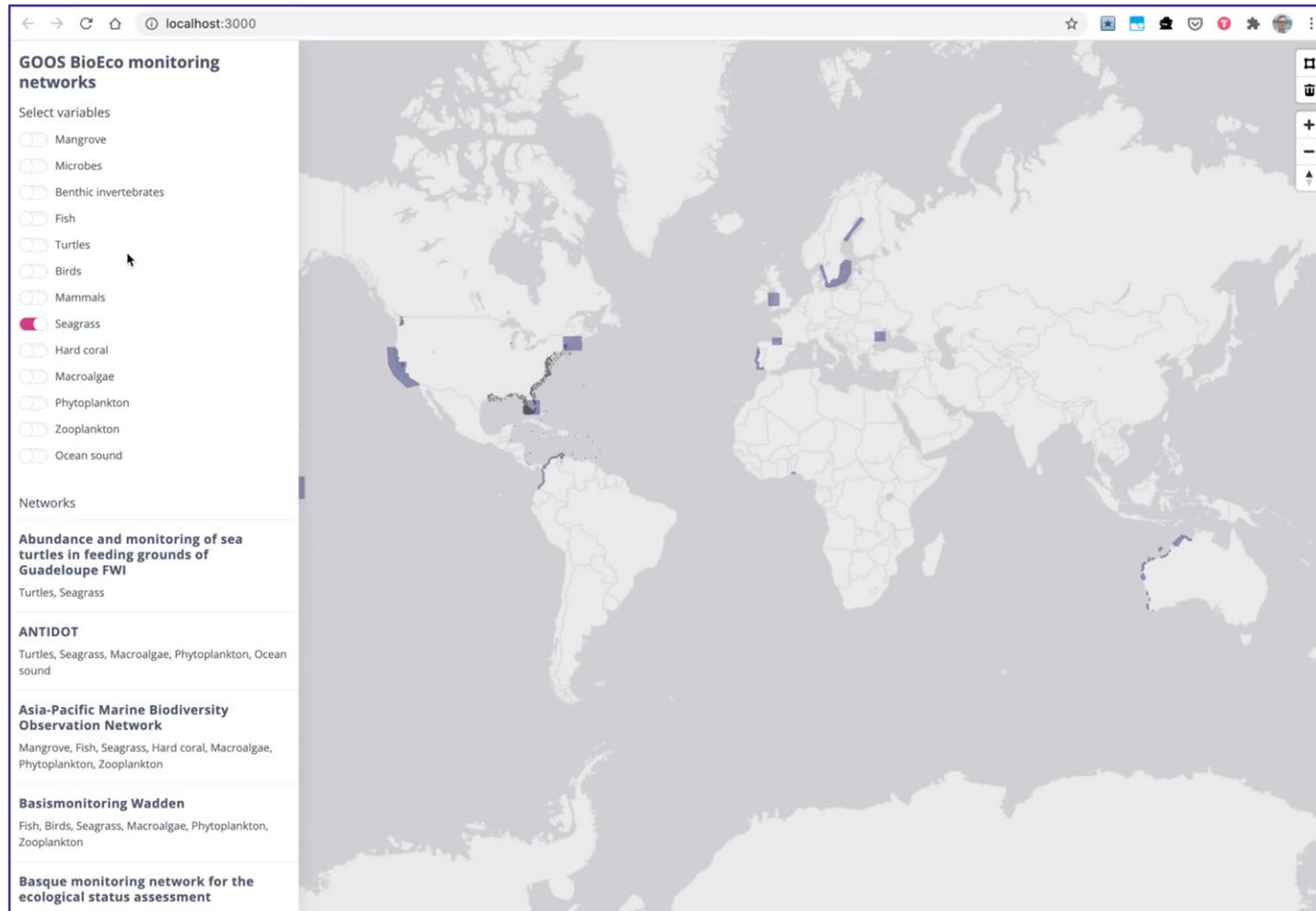


Figure 2. Global map of seagrass marine monitoring programs that will be available via a 'live' portal

Table 1. List of countries with marine monitoring programs with at least one EOY monitored

| Countries | Number of observing programs |
|-------------------|-------------------------------------|
| Belgium | 18 |
| Bulgaria | 4 |
| Croatia | 10 |
| Cyprus | 1 |
| Denmark | 33 |
| Estonia | 17 |
| Faroe Islands | 13 |
| Finland | 17 |
| France | 54 |
| Georgia | 1 |
| Germany | 16 |
| Greece | 2 |
| Greenland | 5 |
| Iceland | 7 |
| Ireland | 3 |
| Italy | 20 |
| Latvia | 7 |
| Lithuania | 8 |
| Netherlands | 6 |
| Norway | 5 |
| Norway & Scotland | 2 |
| Poland | 19 |
| Portugal | 14 |
| Romania | 4 |
| Russia | 5 |
| Slovenia | 2 |
| Spain | 18 |
| Spain & Scotland | 1 |
| Sweden | 12 |
| Ukraine | 1 |
| United Kingdom | 18 |
| Regional | 18 |

Table 2. List of countries with no marine monitoring programs identified to date

| Countries | Number of observing programs |
|--------------------------|-------------------------------------|
| Albania | 0 |
| Andorra | 0 |
| Austria | 0 |
| Belarus | 0 |
| Bosnia and Herzegovina | 0 |
| Czech Republic (Czechia) | 0 |
| Hungary | 0 |
| Liechtenstein | 0 |
| Luxembourg | 0 |
| Kosovo | 0 |
| Malta | 0 |
| Moldova | 0 |
| Monaco | 0 |
| Montenegro | 0 |
| North Macedonia | 0 |
| San Marino | 0 |
| Serbia | 0 |
| Slovakia | 0 |
| Switzerland | 0 |

Table 3. List of all marine monitoring programs in Europe as of 11 December 2020

| Country | Organisation | Program name | Programs/ Location | Time period | Frequency | SOP/BP | Microbes | Phytoplankton | Zooplankton | Benthic invertebrates | Fish | Turtles | Birds | Mammals | Hard coral | Seagrass | Macroalgae | Mangrove | Regional coordination |
|---------|--|--|-------------------------------|--------------|-----------------------|--------|----------|---------------|-------------|-----------------------|------|---------|-------|---------|------------|----------|------------|----------|-----------------------|
| Belgium | University of Liege (Belgium), Stareso SA (Calvi, France), Ifremer (France), the French Water Agency (PACA-Corsica), and the Territorial Collectivity of Corsica | PHYTOCLY Time Series | | 1979-current | 2 x a week since 2005 | No | | x | | | | | | | | | | | |
| Belgium | Research Institute for Nature and Forest (INBO) | Breeding Seabirds in Belgium | Belgian coast | 1997-current | | Yes | | | | | | | x | | | | | | OSPAR |
| Belgium | Research Institute for Nature and Forest (INBO) | Belgian Seabirds at Sea | Belgian part of the North Sea | 2005-current | | Yes | | | | | | | x | | | | | | OSPAR |
| Belgium | Institute for Agriculture, Fishery and Food research (ILVO) | Fish - Demersal Young Fish & Brown Shrimp Survey - Common Fisheries Policy | Belgian part of the North Sea | 1973-current | Annual (Sept) | Yes | | | | | x | | | | | | | | ICES |
| Belgium | Institute for Agriculture, Fishery and Food research (ILVO) | Fish - North Sea Beam Trawl Survey - Common Fisheries Policy | Belgian part of the North Sea | 1973-current | Annual (Aug - Sept) | Yes | | | | x | x | | | | | | | | ICES |
| Belgium | Royal Belgian Institute of Natural Science (RBINS) | Mammals – population abundance | Belgian part of the North Sea | 1995-current | 2x per year | Yes | | | | | | | | x | | | | | OSPAR/ICES |
| Belgium | Royal Belgian Institute of Natural Science (RBINS) | Mammals – strandings | Belgian coast | 1995-current | Continually | Yes | | | | | | | | x | | | | | OSPAR/ICES |
| Belgium | Institute for Agriculture, | Benthic soft-sediment environmental | Belgian part of the North Sea | 1979-current | Annual | Yes | | | | x | | | | | | | | | OSPAR/ICES |

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|---------|--|--|-------------------------------|--------------|-------------|-----|--|---|--|---|---|--|---|---|--|--|--|--|------------|
| | Fishery and Food research (ILVO) | impact monitoring programme | | | | | | | | | | | | | | | | | |
| Belgium | Institute for Agriculture, Fishery and Food research (ILVO) | Epibenthos and demersal fish environmental impact monitoring programme | Belgian part of the North Sea | 1985-current | Annual | Yes | | | | | | | | | | | | | OSPAR/ICES |
| Belgium | Royal Belgian Institute of Natural Science (RBINS), Research Institute for Nature and Forest (INBO), Institute for Agriculture, Fishery and Food research (ILVO) & Marine Biology Research Group, Ghent University | Ecological impact monitoring offshore windfarms | Belgian part of the North Sea | 2005-current | | Yes | | | | x | x | | x | x | | | | | OSPAR |
| Belgium | Royal Belgian Institute of Natural Science (RBINS) | Hard substrate benthos - community characteristics | Belgian part of the North Sea | 2015-current | | Yes | | | | x | | | | | | | | | OSPAR/ICES |
| Belgium | Institute for Agriculture, Fishery and Food research (ILVO) | Fisheries-dependent observer-at-sea programme - Common Fisheries Policy | Belgian part of the North Sea | 1973-current | Continually | Yes | | | | x | x | | | | | | | | ICES |
| Belgium | Royal Belgian Institute of Natural Science (RBINS) | Chlorophyll a | Belgian part of the North Sea | 2010-current | | Yes | | x | | | | | | | | | | | OSPAR |
| Belgium | Flanders Marine Institute (VLIZ) | Phytoplankton observations in the Belgian part of the North Sea – LifeWatch observatory data | Belgian part of the North Sea | 2017-current | | Yes | | x | | | | | | | | | | | |

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|----------|---|--|-------------------------------|--------------|-----------------|-----|--|---|---|---|---|---|---|---|--|---|---|--|-------|
| Belgium | Flanders Marine Institute (VLIZ) | Zooplankton observations in the Belgian part of the North Sea - LifeWatch observatory data | Belgian part of the North Sea | 2012-current | | Yes | | | | x | | | | | | | | | |
| Belgium | Research Institute for Nature and Forest (INBO) | Monitoring of beached seabirds | Belgian coast | 1962-current | Monthly | Yes | | | | | | | x | | | | | | OSPAR |
| Belgium | Flanders Marine Institute (VLIZ) | Passive acoustic monitoring of marine mammals | Belgian part of the North Sea | 2016-current | Continually | Yes | | | | | | | | x | | | | | OSPAR |
| Belgium | Royal Belgian Institute of Natural Science (RBINS) | Monitoring of seals on beaches/in harbours | Belgian coast | 2020-current | Daily | Yes | | | | | | | | x | | | | | OSPAR |
| Bulgaria | Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences | Laboratory of Marine Ecology, Sozopol | Sozopol | 2009-current | Quarterly | Yes | | | | x | x | | | | | x | x | | |
| Bulgaria | LTER Europe -> LTER Bulgaria | Black Sea macrosite | Kaliakra | 1991-current | Spring/Summer | Yes | | x | x | x | x | | | | | x | x | | |
| Bulgaria | LTER Europe -> LTER Bulgaria | Black Sea macrosite | Galata | 1991-current | Spring/Summer | Yes | | x | x | x | x | | | | | x | x | | |
| Bulgaria | LTER Europe -> LTER Bulgaria | Black Sea macrosite | Varna Bay | 1991-current | Spring/Summer | Yes | | x | x | x | x | | | | | x | x | | |
| Croatia | Institute of Oceanography and Fisheries | Mobile species - population characteristics | | 2021-current | Annual | | | | | | | | x | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Mobile species - population characteristics | | 2021-current | Once in 3 years | | | | | | | x | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Activities extracting living resources (fisheries including | | 2021-current | Monthly | | | | | | x | | | | | | | | |

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|---------|---|---|--|--------------|-----------------|-----|--|---|---|--|---|---|---|---|--|--|---|---|---------------|
| | | recreational, maerl, seaweed) | | | | | | | | | | | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Activities extracting living resources (fisheries including recreational, maerl, seaweed) | | 2021-current | Once in 6 years | | | | | | x | | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Activities extracting living resources (fisheries including recreational, maerl, seaweed) | | 2021-current | 4x per year | | | | | | x | | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Seabed habitats - community characteristics | | 2021-current | Once in 3 years | | | | | | | | | | | | x | | |
| Croatia | Institute of Oceanography and Fisheries | Mobile species - population characteristics | | 2021-current | Once in 2 years | | | | | | x | | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Mobile species - population characteristics | | 2021-current | Varies | | | | | | | | | x | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Pelagic habitats - community characteristics | | 2021-current | Varies | | | x | x | | | | | | | | | | |
| Croatia | Institute of Oceanography and Fisheries | Plankton blooms (biomass, frequency) | | 2021-current | Once in 6 years | | | x | | | | | | | | | | | |
| Cyprus | Department of Fisheries and Marine Research, Ministry of Agriculture, Rural Development and Environment | Biodiversity | | 2005-current | Varies | Yes | | x | x | | x | x | x | x | | | | x | |
| Denmark | Danish Environmental Protection Agency | Mobile species - abundance - birds wintering | | 1980-current | Annual | Yes | | | | | | | x | | | | | | HELCOM, OSPAR |

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|---------|--|--|--|--------------|----------------|-----|--|---|---|--|---|---|--|--|--|--|---|--|
| Denmark | Danish Environmental Protection Agency | Mobile species - abundance - birds breeding | | 1980-current | Annual | Yes | | | | | | x | | | | | | |
| Denmark | Danish Environmental Protection Agency | Mobile species - distribution, abundance and/or biomass - Survey IBTS (IBTS - International Bottom Trawl Survey) | | 1983-current | Every 6 months | Yes | | | | | x | | | | | | | |
| Denmark | Danish Environmental Protection Agency | Mobile species - distribution, abundance and/or biomass - Survey BITS (BITS - Baltic International Trawl Survey) | | 1988-current | Every 6 months | Yes | | | | | x | | | | | | | |
| Denmark | Danish Environmental Protection Agency | Mobile species - distribution, abundance and/or biomass - Survey CODS_Q4 (CODS_Q4 - Cod survey) | | 2008-current | Annual | Yes | | | | | x | | | | | | | |
| Denmark | Danish Environmental Protection Agency | Mobile species - distribution, abundance and or biomass - flatfish - Survey FFS (FFS - Flatfish survey) | | 2004-current | Annual | Yes | | | | | x | | | | | | | |
| Denmark | Danish Environmental Protection Agency | Foodwebs - biodiversity, abundance | | 1983-current | Varies | Yes | | x | x | | x | | | | | | | |
| Denmark | Danish Environmental Protection Agency | Benthic species - abundance and/or biomass | | 1987-current | Varies | Yes | | | | | | | | | | | x | |

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| Denmark | Danish Environmental Protection Agency | Benthic species - abundance and/or biomass | | 1990-current | Varies | Yes | | | | x | | | | | | | | |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | North Sea : DNAMAP-1510007 | 1989-current | | Yes | | x | | x | | | | | x | x | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Ringkøbing Fjord: DNAMAP-1 | 1980-current | | Yes | | x | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Nissum Fjord: DNAMAP-22 | 1983-current | | Yes | | x | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Nissum Bredning: DNAMAP-3702-1 | 1982-current | | Yes | | x | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Lister Dyb: DNAMAP-3 | 1993-current | | Yes | | x | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Århus Bugt: DNAMAP-170006 | 1979-current | | Yes | | x | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Køge Bugt: DNAMAP-1727 | 1985-current | | Yes | | x | | | | | | | | | | HELCOM |

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| | | Program (DNAMAP) | | | | | | | | | | | | | | | | | |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Hevring Bugt: DNAMAP-190004 | 1985-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Løgstør Bredning: DNAMAP-3708-1 | 1980-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Skive Fjord: DNAMAP-3727-1 | 1980-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Ålborg Bugt: DNAMAP-409 | 1981-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Anholt East: DNAMAP-413 | 1981-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Vejle Fjord: DNAMAP-4273 | 1982-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment | Ven: DNAMAP-431 | 1979-current | | Yes | | x | | | | | | | | | | | HELCOM |

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| | | Program (DNAMAP) | | | | | | | | | | | | | | | | | | |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Arkona: DNAMAP-444 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Mariager Fjord: DNAMAP-5503 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Horsens Fjord: DNAMAP-5790 | 1981-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Roskilde Fjord: DNAMAP-60 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Lillebælt-South: DNAMAP-6300043 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Lillebælt-North: DNAMAP-6870 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Odense Fjord: DNAMAP-6900017 | 1979-current | | Yes | | x | | | | | | | | | | | | HELCOM |

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|---------|---|--|------------------------------|--------------|--------|-----|--|---|--|--|--|---|--|--|--|--|--|--|--------------|
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Gniben: DNAMAP-925 | 1979-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Storebælt: DNAMAP-939 | 1982-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Denmark | Danish Centre for Environment and Energy (DCE) | The Danish National Aquatic Monitoring and Assessment Program (DNAMAP) | Bornholm Deep: DNAMAP-bmpk2 | 1980-current | | Yes | | x | | | | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Abundance of wintering birds | 1967-current | Annual | Yes | | | | | | x | | | | | | | HELCOM, ICES |
| Estonia | Ministry of the Environment of | Estonian National | Abundance of water | 1957-current | Annual | Yes | | | | | | x | | | | | | | |

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| | the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Monitoring Program | birds in the breeding season | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Abundance of migratory water birds (coastal area) | 2004-current | Varies | Yes | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of | Estonian National | Abundance of migratory water birds | Annual | Yes | | | | | | | | | | | | | HELCOM, ICES |

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| | Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Monitoring Program | (feeding in off-shore areas) | | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Seals Abundance | 1994-current | Annual | Yes | | | | | | | x | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian | Estonian National Monitoring Program | Seals – breeding success | 1990-current | Annual | Yes | | | | | | | x | | | | | | HELCOM |

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|---------|---|--------------------------------------|----------------|--------------|--------|-----|--|--|--|--|---|--|--|--|--|--|--|--|--------|
| | Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | | | | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Coastal fish | 1975-current | Annual | Yes | | | | | x | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment | Estonian National Monitoring Program | Off-shore fish | 1992-current | Annual | Yes | | | | | x | | | | | | | | ICES |

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|---------|---|--------------------------------------|---|--------------|--------|-----|--|---|--|--|---|--|--|--|--|--|--|--|--------|
| | Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | | | | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Migratory fish | 1993-current | Annual | Yes | | | | | x | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian | Estonian National Monitoring Program | Phytoplankton on species composition, abundance and biomass | 1993-current | A | Yes | | x | | | | | | | | | | | HELCOM |

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|---------|---|--------------------------------------|--|--------------|--------|-----|--|--|---|---|--|--|--|--|---|---|--|--|--------|
| | Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | | | | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Zooplankton species composition, abundance and biomass | 1993-current | Annual | Yes | | | x | | | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of | Estonian National Monitoring Program | Seabed habitats – community characteristics | 1974-current | Annual | Yes | | | | x | | | | | x | x | | | HELCOM |

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|---------|---|--------------------------------------|--------------------------|--------------|--------|-----|--|--|--|---|--|--|--|--|---|---|--|--|--------|
| | University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | | | | | | | | | | | | | | | | | | |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | Macrozoobenthos | 1991-current | Annual | Yes | | | | x | | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, | Estonian National Monitoring Program | Phytobenthic communities | 1995-current | Annual | Yes | | | | | | | | | x | x | | | HELCOM |

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|---------------|---|--|--|--------------|-----------------|-----|---|---|---|---|---|--|---|--|--|--|--|--|--------|
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, Estonian Marine Institute of University of Tartu (UT EMI), Marine Systems Institute of the Tallinn University of Technology (TalTech MSI), Estonian Ornithological Society (EOS), Estonian University of Life Sciences (ULS), NPA Pro Mare | Estonian National Monitoring Program | PhytopChla - Chlorophyll-a | 1993-current | Annual | Yes | | x | | | | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, | Estonian National Monitoring Program | Non-indigenous species – harbours and adjacent regions | 2012-current | Annual | Yes | | x | x | x | x | | | | | | | | HELCOM |
| Estonia | Ministry of the Environment of the Republic of Estonia, Estonian Environment Agency, | Estonian National Monitoring Program | Non-indigenous species – abundance and biomass | 1993-current | Annual | Yes | | x | x | x | x | | | | | | | | HELCOM |
| Faroe Islands | Faroe Marine Research Institute | Faroe Islands Shelf Time Series | | 1991-current | Annually in May | Yes | x | x | x | | | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | Norwegian Sea Transect (North and South) | | 1990-current | Annually in May | Yes | | | x | | | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | | | 1973-current | Annually | | | | | | | | x | | | | | | |

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| Faroe Islands | Faroe Marine Research Institute | Faroese Marine Ecosystem Study (FAMEOS) | | 2017-current | Annually in May | Yes | x | x | x | x | x | | | x | | | x | | |
| Faroe Islands | Faroe Marine Research Institute | International Blue Whiting Spawning Stock Survey (IBWSS) | Gridded Survey | 2004-current | Annually in March/April | | | | x | | x | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | International Ecosystem Survey in the Nordic Seas (IESNS) | Gridded Survey | 1995-current | Annually in May | | | | x | | x | | | | | | | | ICES |
| Faroe Islands | Faroe Marine Research Institute | International Ecosystem Summer Survey in the Nordic Seas (IESSNS) | Gridded Survey | 2009-current | Annually in July/August | | | | x | | x | | | | | | | | ICES |
| Faroe Islands | Faroe Marine Research Institute | ICES North West Working Group | Gridded Survey | | | | | | | | | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | North Atlantic Sightings Surveys | North Atlantic | 1987-current | 6-8y interval (1987, 1989, 1995, 2001, 2007,2015) | | | | | | | | | x | | | | | |
| Faroe Islands | Faroe Marine Research Institute | Bottom trawl survey | Gridded Survey | 1983-current | Annually in March | | | | | x | x | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | Bottom trawl survey | Gridded Survey | 1996-current | Annually in August | | | | | x | x | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | Bottom trawl survey | Gridded Survey | 2014-current | Annually in September | | | | | x | x | | | | | | | | |
| Faroe Islands | Faroe Marine Research Institute | Pelagic trawl survey | Gridded Survey | 1983-current | Annually in September | | | | | | x | | | | | | | | |
| Finland | Archipelago Research Institute | Long-term environmental monitoring: Archipelago Sea | | 1967-current | Monthly | Yes | | x | x | | x | | | | | | | | |
| Finland | Natural Resource Institute Finland | Seal abundance | | 1988-current | Annual | Yes | | | | | | | | x | | | | | |
| Finland | Finnish Environment Insitute | Abundance and distribution of harbour porpoises | | 2001-current | Continually | Yes | | | | | | | | x | | | | | |
| Finland | Finnish Parks and Wildlife Service | Marine breeding birds | | 1948-current | Annual | Yes | | | | | | | x | | | | | | |

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|---------|-------------------------------------|--|--|--------------|---------------|-----|--|--|---|---|---|---|---|--|---|--|---|---|
| Finland | Finnish Environment Insitute | Marine wintering birds | | 1975-current | Annual | Yes | | | | | | | x | | | | | |
| Finland | Finnish Environment Insitute | White tailed eagle breeding success | | 1972-current | Annual | Yes | | | | | | | x | | | | | |
| Finland | Natural Resource Institute Finland | Sea trout | | 1990-current | Annual | Yes | | | | | x | | | | | | | |
| Finland | Finnish Environment Insitute | Coastal fish gillnet survey | | 2002-current | Annual | Yes | | | | | x | | | | | | | |
| Finland | Finnish Environment Insitute | Offshore soft bottom macrozoobenthos | | 1964-current | Annual | Yes | | | | x | | | | | | | | |
| Finland | Finnish Environment Insitute | Coastal waters soft bottom fauna | | 1964-current | Annual | Yes | | | | x | | | | | | | | |
| Finland | Finnish Environment Insitute | Coastal hard bottom macroalgae and blue mussel communities | | 1993-current | Annual | Yes | | | | | | | | | | | x | |
| Finland | Finnish Parks and Wildlife Service | Coastal sand and gravel bottoms | | 2020-current | Every 3 years | Yes | | | | | | | | | | | | x |
| Finland | Finnish Parks and Wildlife Service | Soft bottom macrophytes | | 2020-current | Every 3 years | Yes | | | | | | | | | x | | | x |
| Finland | Finnish Environment Insitute | Zooplankton species composition and abundance | | 1979-current | Annual | Yes | | | | x | | | | | | | | |
| Finland | Finnish Environment Insitute | Phytoplankton species composition and abundance | | 1979-current | Annual | Yes | | | x | | | | | | | | | |
| Finland | Natural Resource Institute Finland | Fisheries data collection | | 2002-current | Annual | Yes | | | | | | x | | | | | | |
| Finland | Finnish Environment Insitute | Phytoplankton pigments | | 1979-current | Continually | Yes | | | x | | | | | | | | | |
| France | Foundation Total, Université Pierre | Biodiversity, extreme | | 2015-current | 1x per year | No | | | | | | | | | | | x | |

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| | et Marie Curie, CNRS | environment and global change | | | | | | | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): Mediterranean Ocean Observing System for the Environment (MOOSE) | DYFAMED | 1991-current | Monthly | Yes | | x | x | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): Mediterranean Ocean Observing System for the Environment (MOOSE) | ANTARES | 2009-current | Monthly | Yes | x | x | x | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Brest - Sainte Anne | 1998-current | weekly | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Boulogne | 1992-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, | Infrastructure de Recherche Littorale et | At So | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |

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| | Research and Innovation (MESRI), BGRM, AFB and CEREMA | Côtière (ILICO): PHYTOBS | | | | | | | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Arcachon - Bouée 13 | 1999-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Cabourg | 2002-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Loguivy - Trieux | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Wimereux | 1998-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Les Hébihens - Arguenon | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |

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| | (MESRI), BGRM, AFB and CEREMA | | | | | | | | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Keruel large - Baie de Douarnenez | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Roscoff - Bouée Astan | 2000-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Concarneau large | 1992-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Men er Roué - Quiberon | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Ouest Loscolo | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |

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| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Marseille | 1994-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Le Cornard - Pertuis Breton | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Luc-sur-Mer | 2012-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Auger | 1988-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Teychan bis | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of | Infrastructure de Recherche Littorale et | Villefranche | 1995-current | 2x per month | Yes | | x | | | | | | | | | | | |

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| | Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Côtière (ILICO): PHYTOBS | | | | | | | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Bouzigues - Lagune de Thau | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | La Rochelle - Antioche | 2011-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Sète | 2002-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Barcarès | 1989-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Parc Leucate 2 | 1987-current | 2x per month | Yes | | x | | | | | | | | | | | |

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| | (MESRI), BGRM, AFB and CEREMA | | | | | | | | | | | | | | | | | | |
| France | CNRS, Ifremer, RDF, IGN, Shom, French Ministry of Higher Education, Research and Innovation (MESRI), BGRM, AFB and CEREMA | Infrastructure de Recherche Littorale et Côtière (ILICO): PHYTOBS | Banyuls | 2017-current | 2x per month | Yes | | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Arcachon) | Eyrac | 1997-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Arcachon) | Bouée 13 | 2005-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Arcachon) | Comprian | 2005-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Sorbone Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Banyuls) | Sola | 1997-current | 4x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université de Bretagne Occidentale | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Brest) | Portzic | 1998-current | 4x per month | Yes | x | x | | | | | | | | | | | |
| France | MNHN | Infrastructure de Recherche Littorale et | Cézembre | 2014-current | 2x per month | Yes | x | x | | | | | | | | | | | |

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| | | Côtière (ILICO): SOMLIT (Dinard) | | | | | | | | | | | | | | | | | |
| France | MNHN | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Dinard) | Bizeux | 2012-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Gironde) | Pk 86 | 1997-current | 1x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Gironde) | Pk 52 | 1997-current | 1x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, University of Bordeaux | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Gironde) | Pk 30 | 1997-current | 1x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, La Rochelle Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (La Rochelle) | Antioche | 2011-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université Caen Normandie | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Luc-sur-mer) | Luc-sur-mer | 2007-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université Caen Normandie | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Luc-sur-mer) | Smile | 2013-current | 2x per month | Yes | x | x | | | | | | | | | | | |

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| France | CNRS, Aix-Marseille Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Marseille) | Frioul | 1997-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Sorbone Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Roscoff) | Astan | 2000-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Sorbone Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Roscoff) | Estacade | 1997-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université de Montpellier | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Sète) | Sète | 2015-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Sorbone Université | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Villefranche) | Point B | 1997-current | 4x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université de Lille, Université du Littoral et de la Côte d'Opale | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Wimereux) | Point C | 1998-current | 2x per month | Yes | x | x | | | | | | | | | | | |
| France | CNRS, Université de Lille, Université du Littoral et de la Côte d'Opale | Infrastructure de Recherche Littorale et Côtière (ILICO): SOMLIT (Wimereux) | Point L | 1998-current | 2x per month | Yes | x | x | | | | | | | | | | | |

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|---------|--|---|--------------------------------|------------------|-------------|-----|---|---|---|---|---|---|--|--|--|--|--|----|
| France | CNRS-INSU, Ifremer, Université de La Rochelle, Université de Caen Normandie | French Observation and Monitoring program for Phytoplankton and Hydrology in coastal waters (REPHY) | | 1987-current (?) | Monthly | Yes | | x | | | | | | | | | | |
| France | CNRS / Sorbonne Université | Bay of Morlaix monitoring | Pierre Noire | 1977-current | 2x per year | Yes | | | | x | | | | | | | | |
| France | CNRS / Sorbonne Université | Bay of Morlaix monitoring | Rivière de Morlaix | 1977-current | 2x per year | Yes | | | | x | | | | | | | | |
| France | CNRS | Association of New Tools to Improve the understanding of the Dynamic Of Threatened marine turtles (ANTIDOT) | | 2010-current | Year round | Yes | | | | | | x | | | | | | |
| France | CNRS / Sorbonne Université | RadeZOO | | 1966-current | Daily | Yes | | | x | | | | | | | | | |
| France | Ifremer and Electricite de France (EDF) | Gravelines Station | | 1975-current | Monthly | Yes | | x | x | | | | | | | | | |
| Georgia | National Environmental Agency of Georgia (NEA). Dep. of Fisheries, Aquaculture and Water Biodiversity. | Assessment and commercial forecasting of fish and other hydrobionts resources of the Black Sea coast and inland waters of Georgia, biological monitoring, determination of the environmental status of the reservoirs. / Code - 4 | Georgian part of the Black Sea | 2006-current | Seasonal | Yes | x | x | x | x | x | | | | | | | No |

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|---------|---|--|--------------------------------|--------------|---|-----|---|---|---|---|---|--|--|--|--|--|--|--|--|
| Germany | GEOMAR | LTER Boknis Eck Time-Series Station | Eckernförde Bay, SW Baltic Sea | 1957-current | Monthly | Yes | | x | | | | | | | | | | | |
| Germany | Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research GmbH | Coastal Observing System for Northern and Arctic Seas (COSYNA) | FerryBox | 2009-current | 10 minutes | Yes | | x | | | | | | | | | | | |
| Germany | Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research GmbH | Coastal Observing System for Northern and Arctic Seas (COSYNA) | Glider | 2011-current | Seconds | Yes | | x | | | | | | | | | | | |
| Germany | Helmholtz-Zentrum Geesthacht Centre for Materials and Coastal Research GmbH | Coastal Observing System for Northern and Arctic Seas (COSYNA) | Remote sensing | 2009-current | Daily | Yes | | x | | | | | | | | | | | |
| Germany | Senckenberg Society for Nature Research | Dogger Bank long-term monitoring programme | | 1991-current | Annual | Yes | | x | x | x | x | | | | | | | | |
| Germany | AWI | LTER Observatory Hausgarten | | 1999-current | Once per summer (cruise) + autonomous instruments throughout the year | Yes | x | x | x | | | | | | | | | | |
| Germany | AWI | North Sea ecological time series | North Sea Benthos | 1969-current | Annual | Yes | | | | x | | | | | | | | | |
| Germany | AWI | North Sea ecological time series | Helgoland Roads | 1962-current | Daily | Yes | | x | x | | | | | | | | | | |

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| Germany | Senckenberg Society for Nature Research | LTER North Sea Benthos Observatory | | 1978-current | Annual or Seasonal | Yes | | | | x | x | | | | | | | | |
| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Arkona Basin | 1979-current | Varies | Yes | | x | x | x | | | | | | | | | HELCOM |
| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Bornholm Basin | 1979-current | Varies | Yes | | x | x | | | | | | | | | | HELCOM |
| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Mecklenburg Basin | 1979-current | Varies | Yes | | x | x | x | | | | | | | | | HELCOM |
| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Eastern Gotland Basin | 1979-current | Varies | Yes | | x | x | | | | | | | | | | HELCOM |

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| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Pomeranian Bay north | 1979-current | Annual | Yes | | | | | x | | | | | | | | HELCOM |
| Germany | Leibniz Institute for Baltic Sea Research Warnemuende (IOW) (On behalf of the Federal Maritime and Hydrographic Agency, Hamburg and Rostock) | The IOW Baltic Sea Time Series | Pomeranian Bay central | 1979-current | Annual | Yes | | | | | x | | | | | | | | HELCOM |
| Germany | Niedersächsischer Landesbetrieb für Wasserwirtschaft, Küsten- und Naturschutz (NLWKN) which is "Federal Agency for Watermanagement, Coastal Defense and Nature Conservation of Lower Saxony" in English | Norderney WQ-W2 | | 1985-current | Weekly | Yes | | x | | | x | | | | | x | x | | |
| Greece | Tethys Research Institute | Ionian Dolphin Project | | 1991-current | Varies | Citizen science | | | | | | | | | x | | | | |
| Greece | Hellenic Centre for Marine Research (HCMR) | POSEIDON system | | 2010-current | Monthly to biannually | Yes | x | x | x | | | | | | | | | | |
| Greenland | Greenland Institute of Natural Resources | Greenland Ecosystem Monitoring | MarineBasis Zackenberg | 2002-current | | | | x | x | | | | | x | | | x | | |

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| Greenland | Greenland Institute of Natural Resources | Greenland Ecosystem Monitoring | MarineBasis Nuuk | 2005-current | | | | | x | x | | | | | | | | x | |
| Greenland | Greenland Institute of Natural Resources | Mapping and monitoring benthos communities | | | | | | | | | | | | | | | | | |
| Greenland | Greenland Institute of Natural Resources | Accoustic monitoring of marine mammals in a changing Arctic | | | | | | | | | | | | | | | | | |
| Greenland | Greenland Institute of Natural Resources | Photo identification of Humpback Whales | | | | | | | | | | | | | | | | | |
| Iceland | Marine and Freshwater Institute (MFRI) | Icelandic monitoring programme | Siglunes Transect - Lower | 1958-current | May and June | Yes | | | x | x | | | | | | | | | |
| Iceland | Marine and Freshwater Institute (MFRI) | Icelandic monitoring programme | Siglunes Transect - Upper | 1958-current | May and June | Yes | | | x | x | | | | | | | | | |
| Iceland | Marine and Freshwater Institute (MFRI) | Icelandic monitoring programme | Selvogsbanki Transect | | May and June | Yes | | | | | | | | | | | | | |
| Iceland | Icelandic Institute of Natural History | Icelandic Christmas Bird Count | | 1952-current | Annual | | | | | | | | | | | | | | |
| Iceland | South Iceland Nature Research Centre | Atlantic Puffin population monitoring program | | 2010-current | Varies | | | | | | | | | | | | | | |
| Iceland | South Iceland Nature Research Centre | Icelanding nocturnal seabird monitoring program | | 2017-current | | | | | | | | | | | | | | | |
| Iceland | South Iceland Nature Research Centre | Icelandic Storm-Petrel & Manx's Shearwater Population | | 2017-current | | | | | | | | | | | | | | | |

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| | | Monitoring Programme | | | | | | | | | | | | | | | | | |
| Ireland | National Biodiversity Data Centre | National Biodiversity Data Centre | | 2007-current | Varies | Citizen science | x | | x | x | | x | | | x | x | | | |
| Ireland | Marine Institute | Phytoplankton monitoring | | 1986-current | Weekly | Yes | | x | | | | | | | | | | | |
| Ireland | Fisheries Ecosystems Advisory Service (FEAS) in the Marine Institute | Western European Shelf Pelagic Acoustic Survey (WESPAS) | | 2008-current | Annual | Yes | x | x | x | | x | | x | x | | | | | |
| Israel | University of Haifa | Israel Marine Mammal Research & Assistance Center | | 1993-current | Monthly to bimonthly | Yes | | | | | | | | | x | | | | |
| Israel | University of Haifa | Morris Khan Research Station | | 2015-current | Varies | Yes | | x | | x | x | | | | x | | | | |
| Italy | University of Sassari | IT14-Marine ecosystems of Sardinia - Italy | Golfo dell'Asinara | 1997-current | Seasonally | | x | x | | | | | | | | | | | LTER |
| Italy | University of Sassari | IT14-Marine ecosystems of Sardinia - Italy | Golfo di Olbia - Italy | 1992-current | | | | | | | | | | | | | | | LTER |
| Italy | University of Sassari | IT14-Marine ecosystems of Sardinia - Italy | Laguna di Cabras | 2006-current | | | | x | | | | | | | | | | | LTER |
| Italy | University of Sassari | IT14-Marine ecosystems of Sardinia - Italy | Laguna di S'Ena Arrubia | 1990-current | | | | | | | | | | | | | | | LTER |
| Italy | University of Sassari | IT14-Marine ecosystems of Sardinia - Italy | Laguna di Santa Giusta | 2006-current | | | | x | | | | | | | | | | | LTER |
| Italy | Tethys Research Institute | Cetacean Sanctuary Research | | 1990-current | Weekly from May to October | | | | | | | | | | x | | | | |
| Italy | Instituto di Scienze Marine (ISMAR) | IT12-Northern Adriatic Sea - Italy ("Acqua Alta" research tower) | Gulf of Venice | 1970-current | | | | x | x | | | | | | | | | | LTER |

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| Italy | Instituto Nazionale de Oceanografia di Geofisica Sperimentale | Gulf of Trieste Time series | Gulf of Trieste C1 | 1986-current | Monthly | | x | x | x | x | | | | | | | | | LTER |
| Italy | Stazione Zoologica Anton Dohrn | MareChiara | Golfo di Napoli | 1984-current | Weekly | | x | x | x | | | | | | | | | | LTER |
| Italy | KYMA sea conservation & research | On the tracks of great pelagic marine animals (whales, dolphins, sea turtles, swordfish and tunas) | 1 | 2020-current | June-Sept | Yes | | | | | x | x | | x | | | | | |
| Italy | KYMA sea conservation & research | On the tracks of great pelagic marine animals (whales, dolphins, sea turtles, swordfish and tunas) | 2 | 2020-current | June-Sept | Yes | | | | | x | x | | x | | | | | |
| Italy | National Research Council of Italy | The W1-M3A multidisciplinary observatory | | 2011-current | Daily | Yes | | x | | | | | | | | | | | |
| Italy | CIMA Research Foundation | ZIPHIUS | | 2004-current | Summer | Yes | | | | | | | | x | | | | | |
| Italy | ISPRA Istituto Superiore per la Protezione e la Ricerca Ambientale | The Fixed Line Transect Mediterranean monitoring Network (FLT Med Net) | | 2007-current | weekly or bi-weekly | Yes | | | | | | x | x | x | | | | | |
| Italy | MENKAB | ECHO | Northern point of Pelagos Sanctuary | 2009-current | All year round but mostly from April to October | | | | | | | x | | x | | | | | |
| Italy | Oceanomare Delphis | Ischia Dolphin Project | Archipelagos Campano and Pontino | 1991-current | Weekly from May to October | Yes | | | | | x | x | x | x | | | | | |
| Italy | Delfini del Ponente APS | Delfini del Ponente - | Western Ligurian Sea | 2018-current | 8-10x month | Yes | | | | | x | x | x | x | | | | | |

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| | | Dolphin Research Project | | | | | | | | | | | | | | | | |
| Italy | DelTa - delfini e tartarughe nel Golfo di Trieste | N2K | Gulf of Trieste - Italian side | 2016-current | June-Sept | | | | | | | x | | x | | | | |
| Italy | Jonan Dolphin Conservation | Researcher for a day | Gulf of Taranto - Italy | 2009-current | March - November | Yes | | x | x | | | x | | x | | | | |
| Italy | Stazione Zoologica Anton Dohrn | Naples Ecological REsearch for Augmented Observatories (NEREA) | Gulf of Naples | 2019-current | Monthly | Yes | x | x | x | | | | | | | | | |
| Latvia | University of Latvia | Engure marine site - Latvia | Baltic Sea, Gulf of Riga | 1997-current | once in 2 years | Yes | x | x | x | x | | | | | x | x | | ILTER |
| Latvia | University of Latvia | The Gulf of Riga littoral biodiversity | Baltic Sea, Gulf of Riga | 1997-current | once prt year | Yes | x | x | x | x | | | | | | x | | |
| Latvia | Latvian Institute of Aquatic Ecology, University of Daugavpils | Marine monitoring programme | | 1973-current | Annual | Yes | | x | x | x | | | | | | | | HELCOM |
| Latvia | Latvian Institute of Aquatic Ecology, University of Daugavpils | Marine monitoring programme | | 2014-current | once in 6 year period | Yes | | | | x | | | | | | x | | HELCOM |
| Latvia | Institute of Food safety, animal health and environment | Latvia work plan for data collection in fisheries and aquaculture sectors | | 1960's-current | Annual | Yes | | | | | | x | | | | | | ICES and EC |
| Latvia | Nature Conservation Agency | Monitoring of biodiversity (State monitoring) - Aviation accounts of seawater waterbirds | | 2017-current | Annual | Yes | | | | | | | x | | | | | HELCOM |

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| Latvia | Nature Conservation Agency | Monitoring of biodiversity (State monitoring) - coastal and inland wintering waterfowl surveys | | 1967-current | Annual | Yes | | | | | | | x | | | | | | | |
| Lithuania | Environmental Protection Agency | BALLT-D024_Zoopl | | 1990-current | Varies | Yes | | | x | | | | | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D01256_Macrozoobenthos | | 1981-current | Annual | Yes | | | | x | | | | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D01234_FishCoastal | | 1992-current | Annual | Yes | | | | | x | | | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D025_Phyto | | 1980-current | Every 3 months | Yes | | | x | | | | | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D01_BirdsWinter | | 1992-current | Every 3 years | Yes | | | | | | | x | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D01234_FishOffshore | | 2005-current | Varies | Yes | | | | | x | | | | | | | | | ICES |
| Lithuania | Environmental Protection Agency | BALLT-D05_ChIA | | 1980-current | Every 3 months | Yes | | | x | | | | | | | | | | | HELCOM |
| Lithuania | Environmental Protection Agency | BALLT-D0156_SeabedVegetation | | 2007-current | Every 2 years | Yes | | | | | | | | | | | | x | | HELCOM |
| Netherlands | Stichting Rugvin (the Rugvin foundation) | North Sea Cetacean monitoring programme (Project Rugvin) | | 2005-current | Once a month | Yes | | | | | | | x | x | | | | | | |
| Netherlands | Stichting Rugvin (the Rugvin foundation) | Harbour porpoise Photo Identification Programme, Eastern Scheldt (Project Rugvin) | | 2015-current | April - October (weather dependent) | Yes | | | | | | | | | x | | | | | |
| Netherlands | NIOZ Royal Netherlands | Synoptic Intertidal | | 2008-current | Once per summer | Yes | | | | x | | | | | | | | | | |

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| | Institute for Sea Research | Benthic Survey (SIBES) | | | | | | | | | | | | | | | | | |
| Netherlands | NIOZ Royal Netherlands Institute for Sea Research | Shorebird survival | 1998-current | Varies/Daily | Yes | | | | | | | | | | | | | | |
| Netherlands | NIOZ Royal Netherlands Institute for Sea Research | Shorebird habitat use in the western Wadden Sea | 2017-current | Varies/Daily | Yes | | | | | | | | | | | | | | |
| Netherlands | Netherlands Institute for Sea Research (NIOZ) and the University of Groningen | Waddenmozaiek program | 2019-current | Every 2 years | Yes | | | | x | x | | | | | | | | | x |
| Norway | Institute of Marine Research (IMR) Monitoring Programme | Svinøy Transect - East and West | 1995-current | 4 - 10 times a year | | | | | x | | | | | | | | | | |
| Norway | Institute of Marine Research (IMR) Monitoring Programme | Fugløya-Bjørnøya Transect - North and South | 1995-current | 3 - 6 times a year | | | | | x | | | | | | | | | | |
| Norway | Institute of Marine Research (IMR) Monitoring Programme | Vardø-Nord Transect - North and South | 1995-current | 3 - 4 times a year | | | | | x | | | | | | | | | | |
| Norway | Institute of Marine Research (IMR) Monitoring Programme | Arendal Station 2 | 1994-current | Twice a month | | | | | x | x | | | | | | | | | |
| Norway | University of Bergen | Ocean Weather Station M | 1948-current | Daily | | | | | x | | | | | | | | | | |
| Norway & Scotland | UiT The Arctic University of Norway until 2026 in collaboration with the Scottish Association for Marine Science (SAMS) | Kongsfjorden Rippfjorden Observatory Program - Kongsfjorden Marine Observatory (KROP) | 2002-current | Daily | | | | | x | x | x | | | | | | | | |

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| Norway & Scotland | UiT The Arctic University of Norway until 2026 in collaboration with the Scottish Association for Marine Science (SAMS) | Kongsfjorden Rippfjorden Observatory Program - Rippfjorden Marine Observatory (KROP) | | 2007-current | Daily | | | | | x | x | x | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Daudmannsodd en | | 1988-current | Once per summer | | | x | x | x | | | | x | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Poolepynten | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Tønseset | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Hamburgbukta | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Velkomstpynten | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Verlegenhuken | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Murchison Bay | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Depotodden | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |

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| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Trollodden | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Kapp Bruun | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Storøya | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Isispynten | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Vibebukta | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Bennebukta | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Kapp Lee | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Habenichtbukta | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Morenetangen | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project - Palffyodden | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |

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| Poland | Institute of Oceanology Polish Academy of Sciences (IOPAS) | Svalbard Intertidal Project Calypsobyen | | 1988-current | Once per summer | | | x | x | x | | | | | | | | | |
| Portugal | Centre for Environmental and Marine Studies & University of Aveiro (CESAM) | LTER Ria de Aveiro | | 2011-current | Varies | Yes | x | x | x | | x | | x | x | | x | | | |
| Portugal | The Interdisciplinary Centre of Marine and Environmental Research (CIIMAR), University of Porto and the company TRANSINSULAR, Grupo ETE | CETUS Project - Cetacean monitoring in the Macaronesia | | 2012-current | Opportunistic | Yes | | | | | | | | x | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mondego1 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mondego2 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mondego3 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Tejo1 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Tejo2 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |

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| | Sciences Centre (MARE) | Coastal Monitoring Network | | | | | | | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Tejo3 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mira1 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mira2 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) | CoastNet - Portuguese Coastal Monitoring Network | Mira3 | 2018-current | Daily | Yes | | x | | | | | | | | | | | |
| Portugal | Marine and Environmental Sciences Centre (MARE) - Madeira | MARE-Madeira monitoring programs | | 2017-current | Annual | Yes | | | | x | | | | | | | | | |
| Portugal | Instituto Português do Mar e da Atmosfera (IPMA) | CASCAIS-WATCH | Cascais Bay | 2005-current | | | | | | x | | | | | | | | | |
| Portugal | Centre of Marine Sciences (CCMAR) | CASCAIS-WATCH | Guadiana Estuary (lower) | 1996-current | Monthly | | x | x | | | | | | | | | | | |
| Romania | National Institute for Marine Research and Development "Grigore Antipa" (NIMRD), Constanta, Romania | Marine Environment Integrated Monitoring Program | | | | | | | | | | | | | | | | | |

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| Romania | | Monitoring and Conservation of Black Sea Cetaceans | | | | | | | | | | | | | | | | | |
| Romania | | Phytoplankton monitoring programme Romanian Black Sea waters | | | | | | | | | | | | | | | | | |
| Romania | | Romanian Marine Monitoring Program (Black Sea) - zooplankton | | | | | | | | | | | | | | | | | |
| Russia | | Long-Term Monitoring Program "Muddy-sandy intertidal flats in Kandalaksha Bay (White Sea)" | | 1987-present | 4 times a year | | | | | x | | | | | | | | x | |
| Russia | Zoological Institute of Russian Academy of Sciences | White Sea Hydrology and Zooplankton Time-Series | Kartesh D1 | 1957-current | Every 10 days in spring/summer and monthly in winter | Yes | | x | x | x | x | | | | | | | | |
| Russia | Lomonosov Moscow State University Marine Research Centre | Annual scientific expedition "Arctic: step by step", RV Kartesh | Pechora Sea | 2016-current | Annually | Yes | | | | x | | | | | | | | | |
| Russia | Lomonosov Moscow State University Marine Research Centre | Annual scientific expedition "Arctic: step by step", RV Kartesh | Pechora Bay | 2016-current | Annually | Yes | | | | x | | | | | | | | | |
| Russia | Lomonosov Moscow State University Marine Research Centre | Annual scientific expedition "Arctic: step by step", RV Kartesh | Gulf of Ob | 2016-current | Annually | Yes | | | | x | | | | | | | | | |

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| Slovenia | ILTER Europe -> LTER Slovenia | LTER: Gulf of Trieste - Slovenia/National monitoring of the ecological and chemical status of the Slovenian sea | | 1989-current | Varies | Yes | x | x | x | x | | | | | | | x | | |
| Slovenia | Morigenos – Slovenian Marine Mammal Society | Slovenian Dolphin Project | | 2002-current | | | | | | | | | | | | | x | | |
| Spain | Balearic Islands Coastal Observing and Forecasting System (SOCIB) | Turtle Tracking | Western Mediterranean | 2010-current | Varies/Daily | Yes | | x | | | | | | | | | | | |
| Spain | Balearic Islands Coastal Observing and Forecasting System (SOCIB) | Canales Endurance Lines SOCIB-canales seasonal cruise | Mallorca channel/Ibiza channel | 2014-current | 4 per year (1 per season) | Yes | | x | | | | | | | | | | | |
| Spain | Balearic Islands Coastal Observing and Forecasting System (SOCIB) | Oceanographic - meteorological buoy monthly sampling | 1 fixed station in the Bay of Palma/1 fixed station Ibiza channel | 2015-current | Monthly | Yes | | x | | | | | | | | | | | |
| Spain | Balearic Islands Coastal Observing and Forecasting System (SOCIB) | Canales glider endurance line missions | (Mallorca channel/Ibiza channel) | 2010-current | 6-8 x per year (1 mission of 2 months length approx.) | Yes | | x | | | | | | | | | | | |
| Spain | AZTI | Basque monitoring network for the ecological status assessment | Estuaries | 1995-current | Every 3 years | Yes | | x | | x | x | | | | | | x | x | |
| Spain | Ebro Delta Natural Park | LTER Ebro Delta | | 1983-current | Varies | Yes | | x | | | | | | | | | | | |
| Spain | University of the Basque Country | URDAIBAI 35 Time Series | | 1997-current | Monthly | Yes | | | | x | | | | | | | | | |

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| Spain | University of the Basque Country | BILBAO 35 Time Series | | 1997-current | Monthly | Yes | | | x | | | | | | | | | | |
| Spain | AZTI | AZTI Station D2 | | 1986-current | Monthly | Yes | | x | | | | | | | | | | | |
| Spain | Universidad del Pais vasco/Euskal Herriko Unibertsitatea | Nervion River Estuary E1 | | 2000-current | | | | x | | | | | | | | | | | |
| Spain | Universidad del Pais vasco/Euskal Herriko Unibertsitatea | Nervion River Estuary E2 | | 2000-current | | | | x | | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | RADIALES Santander Station E4SA | | 1991-current | Monthly | | | | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | RADIALES A Coruna Station E2CO | | 1988-current | Monthly | | | x | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | RADIALES Gijon/Xixon Station E2GI | | 2001-current | Monthly | | | x | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | RADIALES Vigo Station E3VI | | 1994-current | Monthly | | | x | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | RADIALES Cudillero Station E2CU | | 1992-current | Monthly | | | | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | Mallorca Balears Station | | 1994-current | 4 x per year | Yes | | | x | | | | | | | | | | |
| Spain | Instituto Español de Oceanografía | ECOMALAGA | | 1992-current | | | | | x | | | | | | | | | | |
| Spain/Scotland | Asociacion Tursiops and Dr Luke Rendell of the University of Saint Andrews | Balearic Sperm Whale Project | | 2003-current | Annual | Yes | | | | | | | | x | | | | | |
| Sweden | Swedish Agency for Marine and Water Management | Pelagic monitoring of the west coast | | 1985-current | 24 x per year | Yes | x | x | x | | | | | | | | | | 2 milj SEK/year |
| Sweden | The Swedish Environmental Protection Agency | | | | | | | | | | | | | | | | | | |

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| | and Stockholm University | | | | | | | | | | | | | | | | | | |
| Sweden | The Swedish Environmental Protection Agency and University of Kalmar | | | | | | | | | | | | | | | | | | |
| Sweden | The Swedish Environmental Protection Agency and Swedish Museum of Natural History | | | | | | | | | | | | | | | | | | |
| Sweden | | National acoustic monitoring programme of harbour porpoises in Swedish waters | | | | | | | | | | | | | | | | | |
| Sweden | Swedish Agency for Marine and Water Management | Benthic fish populations | | 1972-current | Annual | Yes | | | | | | x | | | | | | | |
| Sweden | Swedish Agency for Marine and Water Management | Pelagic fish populations | | 1978-current | Annual | Yes | | | | | | x | | | | | | | |
| Sweden | Swedish Agency for Marine and Water Management | Migratory fish populations | | 1969/2004-current | Annual | Yes | | | | | | x | | | | | | | |
| Sweden | Swedish Meteorological and Hydrological Institute (SMHI) | Swedish National monitoring | | 1983-current | Monthly | Yes | | x | x | | | | | | | | | | |
| Sweden | Swedish Agency for Marine and Water Management and Umeå Marine Sciences Centre (UMF), Umeå University | The pelagic marine monitoring program | | 1991-current | 10x per year | Yes | x | x | x | | | | | | | | | | |

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| Sweden | Swedish Agency for Marine and Water Management and Umeå Marine Sciences Centre (UMF), Umeå University | Soft-bottom macrofauna | | 1983-current | Annual | Yes | | | | x | | | | | | | | | |
| Sweden | Swedish Agency for Marine and Water Management | Coastal fish populations | | 1960-current | Annual | Yes | | | | | x | | | | | | | | |
| Ukraine | Odessa National I. I. Mechnikov University | Marine Research Station "Zmiinyi island" | | 2003-current | Varies | Yes | x | x | | x | x | | | x | | | x | | |
| United Kingdom | Department of Agriculture, Environment and Rural Affairs (DAERA) | | | | | | | | | | | | | | | | | | |
| United Kingdom | Centre for Environment, Fisheries and Aquaculture Science (Cefas) | Eutrophication Monitoring & SmartBuoy in situ marine monitoring | | 1985-current | Varies | Yes | x | x | x | | x | | | | | | | | |
| United Kingdom | National Oceanography Centre (NOC) | Porcupine Abyssal Plain Sustained Observatory | | 1984-current | Annual | Yes | x | | x | x | | | | | | | | | |
| United Kingdom | Newcastle University | Plankton Dove Time Series | | 1969-current | Monthly | Yes | | x | x | | | | | | | | | | |
| United Kingdom | Newcastle University and the University of Liverpool | Benthic Dove Time Series | | 1971-current | 2-4 times per year | Yes | | | | x | | | | | | | | | |
| United Kingdom | Plymouth Marine Laboratory and Marine Biological Association | Western Channel Observatory: L4 (pelagic) | | 1988-current | Weekly | Yes | x | x | x | | | | | | | | | | |
| United Kingdom | Plymouth Marine Laboratory and | Western Channel | | 2008-current | Bi-monthly | Yes | | | | x | | | | | | | x | | |

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| | Marine Biological Association | Observatory: L4 (benthic) | | | | | | | | | | | | | | | | | |
| United Kingdom | Plymouth Marine Laboratory and Marine Biological Association | Western Channel Observatory: E1 (pelagic) | | 1903-current | 2 weekly / monthly | Yes | | x | | | | | | | | | | | |
| United Kingdom | Marine Biological Association | Continuous Plankton Recorder (CPR) Survey | | 1931-current | Monthly | Yes | | x | x | | | | | | | | | | |
| United Kingdom | Marine Biological Association | Marine Biodiversity and Climate Change (MarClim) | | 1952-current | Annual | Yes | | | | x | | | | | | | | x | |
| United Kingdom | Britist Trust for Ornithology | Wetland Bird Survey | | 1947-current | Monthly | Citizen science | | | | | | | x | | | | | | |
| United Kingdom (Scotland) | The Scottish Association for Marine Science (SAMS) | Deep Sea Benthic Biodiversity | | 1973-current | Opportunistic | Yes | | | | x | | | | | | | | | |
| United Kingdom (Scotland) | The Scottish Association for Marine Science (SAMS) | Lorn Pelagic Observatory | | 1970-current | Monthly | Yes | x | x | | | | | | | | | | | |
| United Kingdom (Scotland) | The Food Standards Scotland (FSS) | Food Standards Agency (FSS) Official Control Phytoplankton monitoring Programme | | 2004-current | Varies | Yes | | x | | | | | | | | | | | |
| United Kingdom (Scotland) | Scottish Government | The Scottish Coastal Observatory (SCObs) | | 1997-current | Weekly | Yes | | x | x | | | | | | | | | | |
| United Kingdom (Wales) | Natural Resource Wales | Intertidal Protected Site | | | | | | | | | | | | | | | | | |
| United Kingdom (Wales) | Natural Resource Wales | Marine Monitoring Programme | | 1982-current | Varies | Yes | x | x | x | x | x | x | x | x | x | x | x | | |

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| United Kingdom (Wales) | Natural Resource Wales | Skomer Marine Nature Reserve | | | | | | | | | | | | | | | | | |
| Regional | Reef Life Survey | Reef Life Survey | | 2010-current | Opportunistic | Yes | | | | x | x | | | | | | | | x |
| Regional | | LifeWatch Biodiversity Observatory-Belgium | | | | | | | | | | | | | | | | | |
| Regional | | Ocean Tracking Network | | | | | | | | | | | | | | | | | |
| Regional | | eOceans | | 2011-current | Opportunistic | Citizen science | | | | | | x | | | | | | | |
| Regional | Conservation of Arctic Flora and Fauna and many partners https://www.caff.is/cbmp-partners | CAFFs Circumpolar Biodiversity Monitoring Program (CBMP) | | 1991-current | Varies | Yes | x | x | x | x | x | | x | x | | | | | |
| Regional | Fod Standards Agency | Phytoplankton monitoring (Northern Ireland, England and Wales) | | | | | | | | | | | | | | | | | |
| Regional | | CEMP Long term Benthos | | | | | | | | | | | | | | | | | |
| Regional | | National Research Infrastructure - Norwegian Marine Data Centre | | | | | | | | | | | | | | | | | |
| Regional | | Coastal biodiversity in rocky shores across the Atlantic coast of Europe | | | | | | | | | | | | | | | | | |
| Regional | | Small Cetacean Abundance in the European | | | | | | | | | | | | | | | | | |

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| | | Atlantic and North Sea | | | | | | | | | | | | | | | | | |
| Regional | | UK Grey and harbour seal abundance and distribution | | | | | | | | | | | | | | | | | |
| Regional | European Marine Biological Resource Centre (EMBRC) | European ARMS programme | | 2017-current | Annual | Yes | x | x | | x | | | | | | | x | | |
| Regional | | Bathing Water Monitoring Programme | | | | | | | | | | | | | | | | | |
| Regional | | ORCA | | | | | | | | | | | | | | | | | |
| Regional | | Deep-Sea Research Program | | | | | | | | | | | | | | | | | |
| Regional | SeagrassNet | SeagrassNet - Global Monitoring Program | | 2001-current | Varies | Yes | | | | | | | | | | | | x | |
| Regional | HELCOM: The Baltic Marine Environment Protection Commission (Denmark, Estonia, the European Union, Finland, Germany, Latvia, Lithuania, Poland, Russia and Sweden) | FISH-PRO III | | 2018-2023 | Annual | Yes | | | | | | x | | | | | | | |
| Regional | The Secchi Disk Foundation | The Secchi Disk | | 2013-current | Opportunistic | Citizen science | | | | | | | | | | | | | x |