

Reporting requirements on sub programmes under MSFD Article 11

Reporter

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Member State

Identify the MS to which this report refers **DE**

Region

Select one from list **BAL**

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4: Metadata about each sub-programme

4g: Sub-Programme ID

Provide a unique identifier for sub programme. Use sub(region) and MS code (e.g. BALDE) plus MS-defined alpha-numeric code (e.g. MADIT-D08-01)

BALDE_Sub_099

4h: Temporal scope

Provide the start date of the sub-programme (past or future) and, if appropriate, an end date, or indicate the programme is ongoing:

From: (YYYY-MM-DD e.g. 2011-01-29)	To: (YYYY-MM-DD e.g. 2013-12-31)
2010	9999

4i: Spatial scope

Indicate the coverage of the sub-programme according to the four jurisdictional zones of MSFD Marine Waters (or outside this, either landward or beyond marine waters if appropriate, e.g. for pressures).

- | | |
|--|--|
| <input type="checkbox"/> Terrestrial part of MS | <input checked="" type="checkbox"/> EEZ (or similar) |
| <input type="checkbox"/> Transitional waters (WFD) | <input checked="" type="checkbox"/> Continental shelf (beyond EEZ) |
| <input checked="" type="checkbox"/> Coastal waters (WFD) | <input checked="" type="checkbox"/> Beyond MS Marine Waters |
| <input checked="" type="checkbox"/> Territorial waters | |

4j: Description Spatial Scope

Briefly describe the rationale for the geographic scope of the programme (e.g. in relation to relevant environmental characteristics, to pressures or to relevant activities and measures). Free text or URL web link or section in paper report

Species population characteristics	<input type="checkbox"/> seagrass, biogenic reef-forming species) <input type="checkbox"/> Stability of edges to community (e.g. of seagrass, biogenic reefs)	<input type="checkbox"/> pH <input type="checkbox"/> pCO ₂ - alkalinity <input type="checkbox"/> Marine climatology <input type="checkbox"/> Bathymetric depth <input type="checkbox"/> Physical structure of habitat (e.g. sediment characteristics, topographic structure) <input type="checkbox"/> Hydrological conditions of habitat <input type="checkbox"/> Freshwater input rates from rivers
	Species impacts <input type="checkbox"/> Composition and number of retained/landed catch <input type="checkbox"/> Composition and number of discards <input type="checkbox"/> Composition and number of incidental/by-catch <input type="checkbox"/> Mortality/injury rates by a pressure (e.g. ship strikes, litter entanglement, noise) <input type="checkbox"/> Predation rates on eggs, juveniles and/or adults <input type="checkbox"/> Disturbance rates by human activities <input type="checkbox"/> Alterations to habitat (e.g. to breeding areas)	

Pressures

Pressure input	Pressure output
<input type="checkbox"/> Input level of chemical/nutrient/pollutant from atmosphere <input type="checkbox"/> Input level of chemical/nutrient/pollutant from land-based sources <input type="checkbox"/> Input level of chemical/nutrient/pollutant from sea-based sources	<input type="checkbox"/> Spatial distribution/extent of pressure <input type="checkbox"/> Concentration of chemical/nutrient/pollutant in biota <input type="checkbox"/> Concentration of chemical/nutrient/pollutant in water column <input type="checkbox"/> Concentration of chemical/nutrient/pollutant in/on seabed substrate <input type="checkbox"/> Quantity and type of non-indigenous species <input type="checkbox"/> Quantity and type of microbial pathogens <input type="checkbox"/> Quantity and type of litter items <input type="checkbox"/> Quantity and type of microparticles <input type="checkbox"/> Quantity and type of litter in animal stomachs <input type="checkbox"/> Intensity and temporal frequency of underwater noise

Activity	Other
<input type="checkbox"/> Spatial distribution/extent of activity <input type="checkbox"/> Intensity of activity <input type="checkbox"/> Temporal changes in activity <input type="checkbox"/> Type of activity (within broad category of, e.g. fisheries, tourism/recreation)	<input type="checkbox"/> Other parameter

9c: Monitoring method

Provide a reference to a published method or, if unpublished, describe the method used.

|| MP_035 || HELCOM COMBINE Manual, Annex C-2 <http://helcom.fi/Documents/Action%20areas/Monitoring%20and%20assessment/Manuals%20and%20Guidelines/Manual%20for%20Marine%20Monitoring%20in%20the%20COMBINE%20Programme%20of%20HELCOM.pdf> || MP_107, MP_110, MP_127 ||

9d: Method alteration

If this field is left blank it is assumed the method used is according to the published method given in Q9c.

|| MP_035 || Messung der Sichttiefe mit Hilfe einer Secchi-Scheibe || MP_107 || Das Bundesamt für Seeschiffahrt und Hydrographie (BSH) betreibt in seinem Marinens Umweltmessnetz in Nord- und Ostsee (MARNET) derzeit elf automatische Messstationen. Erfassung durch autonome Messgeräte || MP_110 || In-situ Daten werden auf Schiffen und festen Plattformen in der Regel mit einer CTD erfasst. Die genutzten Satelliten sind mit speziellen Sensoren ausgerüstet, aus deren Messwerten sich die Oberflächentemperatur ableiten lässt. Fernerkundungsdaten || MP_127 || In-situ Daten werden auf Schiffen und festen Plattformen in der Regel mit einer CTD erfasst. Die genutzten Satelliten sind mit speziellen Sensoren ausgerüstet, aus deren Messwerten sich die Oberflächentemperatur ableiten lässt.

9e: Quality Assurance (QA)

In addition to a specified method, is there any additional Quality Assurance used?

- Biological Effects Quality Assurance in Monitoring Programmes
- Helsinki Commission Cooperative Monitoring in the Baltic Marine Environment manual of measurement protocols
- ICES Data Centre Data Type Guides
- IOC Manual of Quality Control Procedures for Validation of Oceanographic Data
- Joint Global Ocean Flux Study core measurement protocols
- Quality Assurance of Information for Marine Environmental Monitoring in Europe
- National standard (specify)
- Other standard (specify)
- Unknown

Description of Other (if selected):

|| MP_035 || DIN EN ISO 7027 - C2. Anmerkung: Die Vergleichbarkeit von Secchi-Tiefen hängt nicht nur von den Lichtverhältnissen und dem (Standort des) Betrachter(s) ab, sondern wird auch durch unterschiedlich große Scheiben erschwert. Hier ist weitere Standardisierung erforderlich. Qualitätssicherungsprogramm des Bund-Länder-Messprogramms (BLMP); || MP_107 || || MP_110, MP_127 || BSH Qualitätsmanagement (ISO 9001)

9f: Quality Control (QC)

What type of Quality Control is used?

- Delayed mode validation on the data
- No validation on the data
- Real-time plus delayed mode validation on the data
- Real-time validation on the data
- Other type of QC (specify)
- Unknown

Description of Other (if selected):

9g: Spatial resolution (density) of sampling

What is the proportion of the geographic scope (given in Q4i) which is covered by sampling? This question is intended to provide a broad indication only of expected sampling density, as information on actual sampling locations, once collected, should be linked to Art. 19.3 on access to the monitoring data]

Proportion of geographic scope covered by sampling (%)
100 %

Approximate number of samples expected to be taken from the assessment area (No./year)

|| MP_035 || >100 || MP_107 || Es handelt sich um Dauermessungen || MP_110 || Es werden keine Proben entnommen || MP_127 || Die Probenzahl hängt von der Anzahl der möglichen Messfahrten ab.

9h: Temporal resolution (periodicity) of sampling

What is the temporal frequency of the sub-programme?

- | | | | |
|--|---|--|---|
| <input type="checkbox"/> Every 6 years | <input type="checkbox"/> 6 monthly | <input checked="" type="checkbox"/> Weekly | <input type="checkbox"/> Oneoff |
| <input type="checkbox"/> Every 3 years | <input type="checkbox"/> 3 monthly | <input type="checkbox"/> Daily | <input type="checkbox"/> As needed |
| <input type="checkbox"/> Every 2 years | <input checked="" type="checkbox"/> Monthly | <input checked="" type="checkbox"/> Hourly | <input checked="" type="checkbox"/> Other (specify) |
| <input type="checkbox"/> Yearly | <input type="checkbox"/> 2 weekly | <input type="checkbox"/> Continually | <input type="checkbox"/> Unknown |

Description of Other (if selected):

|| MP_035 || 5-10 Beprobungen pro Station und Jahr. || MP_107, MP_110, MP_127 ||

9i: Description of Sub-programme

Where the information for Questions 9a-9h varies within the sub-programme (e.g. spatially or temporarily), provide details. This could include, for example:

- variation in relation to risk across the area (e.g. coastal/offshore, pressure-related)
- Variation due to differing management regimes (e.g. MPAs or other management zones)

10: Data

10a: Aggregation of data

At which scale can the data from the sub-programme be aggregated for environmental assessments?

<input checked="" type="checkbox"/> Subregion	<input checked="" type="checkbox"/> Region	<input type="checkbox"/> EU	<input checked="" type="checkbox"/> Other (specify)	<input checked="" type="checkbox"/> Unknown
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Description of Other (if selected):

|| MP_035, MP_107, MP_110, MP_127 || || Additional Data || Other, Unknown, Region, Subregion

10b: Description Data Aggregation

If 'other' is selected, describe the scale. If the data cannot be aggregated (beyond the national scale), give reasons?

|| MP_035, MP_107, MP_110, MP_127 || || Additional Data || Other, Unknown, Region, Subregion

10c: Access to data

Access to data

Nature of data/information to be made available. Select all relevant from List:

<input type="checkbox"/> Unprocessed/raw data	<input checked="" type="checkbox"/> Data products
<input type="checkbox"/> Processed data sets	<input type="checkbox"/> Simulated (modelled) data

What method/mechanism will be used to make the data available? Select one from List

<input checked="" type="radio"/> Providing URL to view data	<input type="radio"/> Provide location of data in national data centre
<input type="radio"/> Providing URL to download data	<input type="radio"/> Provide location of data in international data centre (e.g. RSC)

Will the EC/EEA have use rights? Select one from List:

<input type="radio"/> Open access	<input type="radio"/> Restricted by specific licence
<input type="radio"/> Moratorium	<input type="radio"/> Data will not be available
<input checked="" type="radio"/> Restricted by general licence	

Which INSPIRE standard is/will be used? Select from List

<input type="checkbox"/> Hydrography	<input type="checkbox"/> Habitats and biotopes
<input type="checkbox"/> Protected sites	<input type="checkbox"/> Land cover
<input type="checkbox"/> Agriculture and aquaculture facilities	<input type="checkbox"/> Land use
<input type="checkbox"/> Area management/restriction/regulation zones and reporting units	<input checked="" type="checkbox"/> Oceanographic geographical features
<input checked="" type="checkbox"/> Environmental monitoring facilities	<input checked="" type="checkbox"/> Sea regions
<input type="checkbox"/> Geology	<input type="checkbox"/> Species distribution

When will the data first become available? Date: (YYYY-MM e.g 2013-02)

2015-01

How frequently are the data expected to be updated thereafter? Select one from List:

<input type="checkbox"/> Every 6 years	<input type="checkbox"/> 6 monthly	<input type="checkbox"/> Weekly	<input type="checkbox"/> Oneoff
<input type="checkbox"/> Every 3 years	<input type="checkbox"/> 3 monthly	<input type="checkbox"/> Daily	<input type="checkbox"/> As needed
<input type="checkbox"/> Every 2 years	<input type="checkbox"/> Monthly	<input type="checkbox"/> Hourly	<input type="checkbox"/> Other (specify)
<input checked="" type="checkbox"/> Yearly	<input type="checkbox"/> 2 weekly	<input type="checkbox"/> Continually	<input type="checkbox"/> Unknown

Description of Other and/or National standard (if they are selected), please indicate which standard the description covers:

10d: Description Data Access

Describe how the data and information from the programme will be made accessible to the EC/EEA, indicating whether this is in place already or under development. Free text or URL web link or section in paper report

Wie im Rahmen der Umsetzung von Artikel 19.3 der MSRL im CIS-Prozess abgestimmt, werden alle Daten und Produkte via Metadaten im nationalen Metadatenkatalog (<http://geoportal.bafg.de/wasserblick-csw-client/?lang=de&page=1&searchtext=&hits=50&service=1&modell=1&data=1&other=1&id=bfg>) erfasst und zugänglich gemacht. Die Bezugsquelle für die Daten aus den nationalen Messprogrammen wird in den Metadaten festgelegt. Die HELCOM- und OSPAR-relevanten Daten aus den hydrografischen, biologischen und chemischen Messprogrammen werden regelmäßig dem ICES (international data centre) übermittelt. Die EEA kann diese Daten wie bisher über den ICES beziehen. Die Bezugswege für die darüber hinaus gehenden Daten und Produkte befinden sich im Aufbau. Die entsprechenden Metadaten werden die Bezugsquellen ausweisen.