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D1, 4 Biodiversity – water column habitats

Existing Programmes

If you have already reported this programme under one of your other (sub)regions, you can refer to this programme by adding the Programme ID code for the first (sub)region here. And then add the relevant MarineUnits where the programme applies within this Region/Sub region.

Provide a unique identifier for a programme already reported under another Region/Sub region

List all the MarineUnitIDs where the monitoring programme applies within the Region/Sub region

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Existing Sub Programmes

If you have referenced a monitoring programme then please indicate if the same sub programme(s) are implemented within this region/sub region with 'Y'. If additional sub programme(s) are relevant for this region/sub region then report the SubProgrammeID under reference Sub Programme. If the list of sub programmes are not identical with the referenced monitoring programme then report all the relevant sub programmes for the monitoring programme within this region/sub region.

Reference Sub Programme

Each sub-programme ID for each (sub)region/Member State must be unique.

Provide a unique identifier for a sub programme.	Sub programme name
ANSDE_Sub_037.xml	Pelagic habitats - community characteristics
ANSDE_Sub_042.xml	Plankton blooms (biomass, frequency)

4e: Programme ID

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

ANSDE_Mon_004

List all the MarineUnitIDs within this (sub)region where the monitoring programme applies

DE_ANS,

4f: Programme description

Describe the overall approaches of the monitoring programme, including: · The rationale for your balance between monitoring of state/impact, pressures, activities and measures? · How it adapts to new and emerging environmental problems (pressures and impacts) in relation to the relevant Descriptor(s). Free text or URL web link or section in paper report

Das Monitoring der pelagischen Habitate umfasst die Planktongemeinschaften (Zoo- und Phytoplankton) einschließlich der Artenzusammensetzung, Abundanz und Biomasse. Die Belastungen werden im Rahmen des Eutrophierungsmonitorings erhoben. Über die OSPAR Common Procedure werden unterschiedliche Belastungssituationen identifiziert, so dass das Monitoring entsprechend differenziert erfolgen kann.

5a: Relevant GES criteria

Which GES criteria are addressed by the programme?

Select all relevant from list: GES criteria

- 1.2: Population size
- 1.6: Habitat condition
- 4.3: Abundance/distribution of key trophic groups/species
- 5.2: Direct effects of nutrient enrichment

Description of Other (if selected):

5b: Relevant GES characteristics [indicators]

Which GES characteristics (indicators) are addressed by the programme?

Select all relevant from list: GES Indicators

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1.2.1: Population abundance and/or biomass | <input checked="" type="checkbox"/> 4.3.1: Abundance trends of functionally important selected groups/species |
| <input checked="" type="checkbox"/> 1.6.2: Relative abundance and/or biomass | <input checked="" type="checkbox"/> 5.2.4: Species shift in floristic composition such as diatom to flagellate ratio |

Description of Other (if selected):

5c: Relevant features, pressures and impacts from MSFD Annex III

Habitats

Relevant features, pressures and impacts from MSFD Annex III

Select all relevant habitat elements (from MS Art. 8 report - features present)

- Water column habitats - all**

Description of Other (if selected):

Habitat Specials

Relevant features, pressures and impacts from MSFD Annex III

Select all relevant species elements (from MS Art. 8 report - features present)

- Other**

Description of Other (if selected):

Phyto- und Zooplanktonarten

Physical/Chemical Features

Relevant features, pressures and impacts from MSFD Annex III

Select all relevant physical/chemical elements (from MS Art. 8 report - features present)

- Physical/chemical features: Sea temperature (surface)**
 Physical/chemical features: Salinity
 Physical/chemical features: Transparency
 Physical/chemical features: Nutrient levels
 Physical/chemical features: Oxygen levels
 Physical/chemical features: pH

Description of Other (if selected):

Pressures

Relevant features, pressures and impacts from MSFD Annex III

Select all relevant pressure elements (from MS Art. 8 report - features present)

- Pressure: Nutrient and organic matter enrichment (Other)**
 Pressure: Inputs of organic matter
 Pressure: Introduction of non-indigenous species and translocations

Description of Other (if selected):

5d: Adequacy: for assessment of GES (Art. 8 & 9) - Adequate data: Yes or No?

Will the programme provide adequate data and information to enable the periodic assessment of environmental status, and distance from and progress towards GES, including whether environmental status is improving, stable or deteriorating? Yes or no? **Yes**

Established methods for assessment: Yes or no? **No**

Adequate understanding of GES: Yes or no? **No**

Adequate capacity to perform assessments: Yes or no? **Yes**

5e: Natural variability

How does the programme address natural variability?

- In a quantitative process** **Expert opinion**
- In a qualitative process** **Other**

Description of Other (if selected):

5f: Description GES - Add to end of current guidance: Free text or URL web link or section in paper report.

Describe how the programme: a. addresses assessment needs for the relevant Descriptor(s) and targets b. meets the needs of providing data/ information to support assessment of the Descriptor (or particular biodiversity component programme for D1, 4, 6) c. contributes to determining distance from GES and trends in status d. addresses natural and climatic variability and distinguish this from the effects of anthropogenic pressures e. responds to risks of not achieving GES

Das Monitoring der pelagischen Habitate liefert Daten über Artenzusammensetzung, Abundanz, Gesamtbiomasse sowie Biomasse funktioneller Gruppen der vorherrschenden Phyto- und Zooplanktongemeinschaften. Im Kombination mit den ebenfalls erhobenen Daten zu möglichen Belastungen werden darüber Teilaspekte des Deskriptors Biodiversität sowie Nahrungsnetze abgedeckt.

5g: Gap-filling date GES

If not yet considered adequate for data and information needs, when will the programme be considered fully adequate? Select one from enumeration list

- By 2014** **By 2018** **By 2020** **After 2020**

5h: Plans GES

If the programme is not yet considered fully adequate, what plans are in place to make it adequate (e.g. to fill gaps in data, methods, understanding or capacity)? Free text or URL web link or section in paper report

Seit 2012 fehlt das biologische Monitoring in der AWZ, so dass seitdem eine Lücke bzgl. der Phyto- und Zooplanktondaten besteht. In den Küstengewässer wird das Phytoplanktonmonitoring seit vielen Jahren durchgeführt. Zooplanktonindikatoren befinden sich momentan in Entwicklung. Das Zooplanktonmonitoring wird in den Küstengewässern zukünftig parallel zur Indikatorenentwicklung an diese angepasst ausgebaut.

6a: Relevant targets (from Art. 10)

Which targets are addressed by your programme (Art. 10)?

- UZN1**
- UZN3**

Select relevant associated indicator targets (from the MS report on Art. 10)

Add relevant targets (from the MS report on Art. 10)

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6b: Adequacy: for assessment of progress with targets (Art. 10)

Will the programme provide suitable and sufficient data and information to enable assessment of progress towards achievement of the relevant environmental targets (using indicators identified by MS under Art. 10) Suitable and sufficient data: Yes or no? **No**

Established methods for assessment: Yes or no? **No**

Adequate capacity to perform assessments: Yes or no? **Yes**

6c: Target updating

Suitable and sufficient data: Yes or no?

6d: Description Targets

Explain how the programme will contribute to the assessment of progress with targets. Free text or URL web link or section in paper report

Der Zustand der pelagischen Habitate ist im Wesentlichen durch Eutrophierung beeinträchtigt. Insofern wird davon ausgegangen, dass durch das Erreichen des Umweltziels 1 (Meere ohne Beeinträchtigung durch anthropogene Eutrophierung) auch der gute Umweltzustand für pelagische Habitate erreicht werden kann. Darüber hinaus gibt es das Umweltziel 3 "Meere ohne Beeinträchtigung der marinen Arten und Lebensräume durch die Auswirkungen menschlicher Aktivitäten". Dieses Umweltziel muss für die Anwendung auf pelagische Habitate weiter konkretisiert werden.

6e: Gap-filling date targets

If not yet considered adequate for data and information needs, when will the programme be considered fully adequate? Select one from enumeration list

By 2014 By 2018 By 2020 After 2020

6f: Plans Targets - (e.g. to fill gaps in data, methods or capacity)?

If the programme is not yet considered fully adequate, what plans are in place to make it adequate (e.g. to fill gaps in data, methods, understanding or capacity)? Free text or URL web link or section in paper report

Das Monitoringprogramm kann eine vollständige Einschätzung zur Erreichung der Umweltziele erst dann liefern, wenn die nationalen, operativen Umweltziele entsprechend konkretisiert und quantifiziert und passende Indikatoren entwickelt wurden und anwendbar sind. Im Zusammenhang mit der Erstellung der Maßnahmenprogramme nach Art. 13 MSRL wird eine solche Konkretisierung und Quantifizierung der Umweltziele nach Art. 10 MSRL vorgenommen. Dieser Prozess wird noch bis 2018 andauern. Siehe auch Monitoringprogramm "Eutrophierung"

7a: Link to relevant activities

Which activities will the programme address?

- Land-based activities/industries: Coastal, riverine and atmospheric inputs from land - industrial discharges
- Land-based activities/industries: Coastal, riverine and atmospheric inputs from land - agricultural runoff, forestry and emissions
- Land-based activities/industries: Coastal, riverine and atmospheric inputs from land - municipal waste water discharge

Description of Other (if selected):

7b: Description Activities

Describe the nature of activity and/or pressure monitoring (e.g. addressing spatial distribution, intensity and/or frequency) and how the programme is considered adequate to assess which activities and/or pressures are causing environmental change (degradation) and hence identification of possible measures, if needed. Free text or URL web link or section in paper report

Siehe Monitoringprogramm "Eutrophierung"

7c: Relevant measures

Which existing measures will the programme address?

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7d: Description Measures

Describe the nature of monitoring of measures and how the programme enables their effectiveness (impact) in relation to delivering desired changes in environmental status to be assessed (e.g. what processes are in place to prove corrective measures are having the desired effect, and how is uncertainty quantified)? Free text or URL web link or section in paper report

Das nationale Maßnahmenprogramm Art. 13 MSRL befindet sich derzeit noch in der Aufstellung. Aussagen, wie das Monitoring eine Effizienzkontrolle der Maßnahmen gewährleistet, können erst nach Festlegung der einzelnen Maßnahmen getroffen werden. Die Fragen 7c bis 7f können somit im ersten Berichtszyklus noch nicht vollständig beantwortet werden. Dies erfolgt im zweiten Berichtszyklus 2018. Zu jeder Maßnahme sind entsprechende Indikatoren vorgesehen, die den Erfolg der Maßnahme anzeigen. Mit dem Monitoring zu Deskriptor 5 "Eutrophierung" soll überprüft werden, ob das Maßnahmenbündel zur Reduzierung der Nährstoffeinträge und in Folge zur Reduzierung der Eutrophierung führt.

7e: Adequacy for assessment of measures (Art. 13)) - Adequate data: Yes or No?

Will the programme provide adequate data and information to enable the identification of activities and/or their pressures that are causing environmental degradation (and consequently suitable measures if needed) and the effectiveness of relevant measures?

Yes or no? **Yes**

Established methods for assessment: Yes or no?

Adequate understanding of GES: Yes or no? **Yes**

Adequate capacity to perform assessments: Yes or no? **Yes**

Addresses activities/pressures: Yes or no? **Yes**

Addresses effectiveness of measures: Yes or no? **No**

7f: Gap Filling Date Activities Measures

If not yet considered adequate for data and information needs, when will the programme be considered fully adequate? Select one from enumeration list

By 2014 By 2018 By 2020 After 2020

8a: Links to existing monitoring programmes

Which monitoring programmes under Community legislation or international agreements contribute to and are compatible with your MSFD programme? Note: specific details are captured at sub-programme level – question 4m)

- | | |
|--|---|
| <input type="checkbox"/> Bathing Water Directive | <input checked="" type="checkbox"/> Water Framework Directive |
| <input type="checkbox"/> Common Fisheries Policy - Data Collection Framework | <input type="checkbox"/> Barcelona Convention UNEP/MAP |
| <input type="checkbox"/> Habitats Directive | <input type="checkbox"/> Bucharest Convention |
| <input type="checkbox"/> Birds Directive | <input type="checkbox"/> Helsinki Convention |
| <input type="checkbox"/> Nitrates Directive | <input checked="" type="checkbox"/> OSPAR Convention |
| <input type="checkbox"/> Urban Waste Water Treatment Directive | <input checked="" type="checkbox"/> Trilateral Wadden Sea Cooperation |
| | <input type="checkbox"/> Other (specify) |

Description of Other (if selected):