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D3 Biodiversity - commercial fish and shellfish

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_118	Mobile species - mortality/injury rates from fisheries (targeted and/or incidental)
ANSDE_Sub_112	Mobile species - abundance and/or biomass
ANSDE_Sub_120	Mobile species - population characteristics

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_007

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 kommerziell genutzten Fischbestände erfasst die Abundanz und biologische Parameter einzelner Bestände sowie die Fangzusammensetzungen in der kommerziellen Fischerei in der Nordsee. Das Monitoring erfasst somit Zustände von Fischbeständen, Fischgemeinschaften und die Auswirkung von Fischerei (D3).

5a: Relevant GES criteria

Which GES criteria are addressed by the programme?

Select all relevant from list: GES criteria

- 3.1: Level of pressure of the fishing activity**
- 3.2: Reproductive capacity of the stock**
- 3.3: Population age and size distribution**

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

- 3.1.1: Fishing mortality**
- 3.1.2: Ratio between catch and biomass index**
- 3.2.1: Spawning stock biomass (SSB)**
- 3.2.2: Biomass indices**
- 3.3.1: Proportion of fish larger than the mean size of first sexual maturation**
- 3.3.2: Mean maximum length across all species found in research vessel surveys**
- 3.3.3: 95% percentile of the fish length distribution observed in research vessel surveys**
- 3.3.4: Size at first sexual maturation**

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)

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)

- Species group: Fish**

- Functional group: Diadromous fish**
- Functional group: Coastal fish**
- Functional group: Pelagic fish**
- Functional group: Pelagic elasmobranchs**
- Functional group: Demersal fish**
- Functional group: Demersal elasmobranchs**
- Anguilla_anguilla_Linnaeus_1758**
- Clupea_harengus_Linnaeus_1758**
- Gadus_morhua_Linnaeus_1758**
- Limanda_limanda_Linnaeus_1758**
- Merlangius_merlangus_Linnaeus_1758**
- Platichthys_flesus_Linnaeus_1758**
- Pleuronectes_platessa_Linnaeus_1758**
- Scophthalmus_rhombus_Linnaeus_1758**
- Solea_solea_Linnaeus_1758**
- Sprattus_sprattus_Linnaeus_1758**
- Other**

Description of Other (if selected):

All caught fish species

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)

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: Selective extraction of species**
- Pressure: Extraction of species: fish and shellfish**

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? **Yes**

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

5e: Natural variability

How does the programme address natural variability?

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

Die Erfassung der kommerziellen Fänge und die wissenschaftliche Untersuchung von Fischpopulationen/-Beständen erlaubt die Abschätzung von Fangempfehlungen entsprechend des MSY-Ansatzes. Der MSY-Ansatz ist die Basis für die GES-Festlegung innerhalb von D3.

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

Aufgrund von unzureichenden Daten liegen nicht für alle genutzten Bestände analytische Bewertungen vor, so dass derzeit nicht für alle Bestände ermittelt werden kann, ob sie nach dem MSY-Prinzip befischt werden. Es gibt aber vielversprechende Ansätze innerhalb der angewandten Fischereiforschung für die Bewertung dieser datenärmeren Bestände. Wie eine Bewertung des Längenkriteriums unter D3 aussehen könnte, ist gegenwärtig unklar. Hierzu wird jedoch auf internationaler Ebene (ICES) geforscht.

6a: Relevant targets (from Art. 10)

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

UZN4

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

UZN4_IND_4.1.1

UZN4_IND_4.1.2

UZN4_IND_4.2.1

UZN4_IND_4.2.2

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? **Yes**

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

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

Auch wenn die derzeitige Bewertung von Fischbeständen noch Lücken aufweist, werden die methodischen Innovationen und vorhandenen Daten eine repräsentative Bewertung der fischereilichen Nutzung erlauben.

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. Es fehlen noch Bewertungsmethoden für datenarme Bestände, für die es in der angewandten Fischereiforschung vielversprechende Ansätze gibt. Es ist zu erwarten, dass bis 2018 einige dieser Methoden Eingang in das ICES-Bewertungssystem finden werden. Es fehlen noch Bewertungsmethoden für datenarme Bestände sowie für das Längenkriterium unter D3

7a: Link to relevant activities

Which activities will the programme address?

Extraction of living resources: Fisheries incl. recreational fishing (fish and shellfish)

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

Das Monitoring zu D3 bezieht sich auf die kommerzielle Fischerei.

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. Das derzeitige Monitoring von D3 erlaubt eine regelmäßige Bestandsbewertung der Hauptzielarten. Das Spektrum der bewerteten Arten wird durch neue Bewertungsansätze in Zukunft noch breiter und somit noch repräsentativer werden. Die Bestandsbewertungen erlauben die Einschätzung, wie viele der genutzten Bestände entsprechend den MSY-Zielen genutzt werden.

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 type="checkbox"/> Water Framework Directive |
| <input checked="" 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 type="checkbox"/> Trilateral Wadden Sea Cooperation |
| | <input type="checkbox"/> Other (specify) |

Description of Other (if selected):