

Action plan

Eastern Channel-North Sea Sea Basin Strategy Document

Version submitted to the Environmental Authority | January 2021






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Introduction

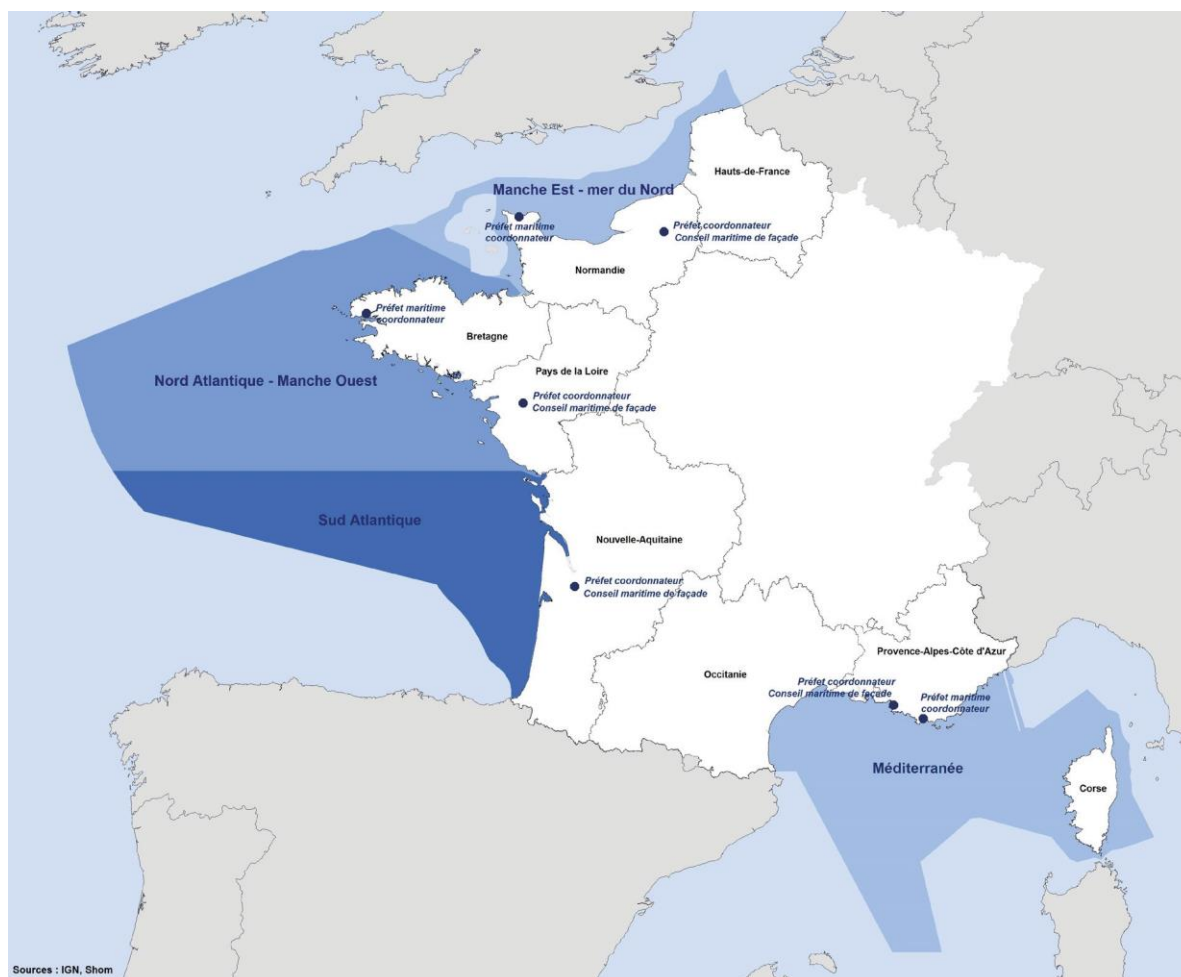
INTRODUCTION

With its maritime and coastal areas, France has a remarkable natural heritage and a significant potential for socio-economic development. In order to ensure the good environmental status of marine waters and a better economic and social development of the sea and the coast, a national strategy was adopted in February 2007.

The strategic document for the Eastern Channel and North Sea specifies the conditions for implementing the national strategy, considering local specificities. The maritime coastline strategy, adopted on 25 September 2019, defines strategic targets and includes spatial planning in the form of a map of maritime areas.

The action plan of the coastline strategy document constitutes the operational implementation of the strategy and translates the guidelines adopted to meet the strategic targets.

Maritime coastlines of mainland France



1. The composition of the coastline strategic document

The coastline strategy document comprises four parts, each of which is intended to be enriched and amended in the light of improved knowledge. They will be updated in the revisions of the document, which are planned every six years:

- the **existing situation**, the **challenges** and a **vision for the future** of the desired **coastline** in 2030 (part 1);
- the definition of **strategic targets** from an economic, social and environmental point of view and the associated indicators. They are accompanied by a **vocational map** which defines consistent areas within the maritime areas with regard to the general issues and objectives assigned to them (part 2);
- the **arrangements for evaluating** the implementation of the strategy document (part 3);
- the **action plan** (part 4).

Parts 1 and 2 constitute the maritime coastline strategy adopted by the coastline coordinating prefects on 25 September 2019. This strategy is set out in the implementable part of the SBSB, consisting of parts 3 and 4.

The arrangements for evaluating the implementation of the document take the form of a monitoring framework which aims to define the monitoring necessary to update and specify the evolution of the existing situation within the perimeter of the maritime coastline as well as to evaluate the achievement of the strategic targets adopted in the maritime coastline strategy. It has two components:

- an environmental component, structured in 14 thematic programmes, aimed at monitoring the state of the marine environment and the pressures on it;
- a socio-economic component that monitors activities and public policies on the maritime coastline.

The action plan includes concrete measures to meet the general and specific strategic targets of the coastline strategy document. It is made up of 47 environmental actions and 46 socio-economic actions which allow for the implementation of structuring public policies while at the same time making the action plan relevant to the specific issues of the Eastern Channel and North Sea.

The work to Draft the action plan has also led to the identification of seven cases of concession for which the environmental targets or good environmental status of marine waters cannot be achieved. These concessions are presented in Annex 3 of the document.

2. Preparation of the operational section of the coastline strategic document

The strategic coastline document is drawn up by the State for a period of six years. The Ministry of the Sea is responsible for national management. At local level, the Prefect of the Normandy region and the Maritime Prefect for the Channel and the North Sea, who are the coordinating prefects for the coastline, are responsible for its preparation.

In order to Draft this document, they are relying on the Maritime Council of the Eastern Channel and North Sea, a forum for exchanges between the various stakeholders in the sea and coastline. The Eastern Channel-North Sea or CMF and its working committees have been closely involved in the development of the DFS action plan from summer 2019 until January 2021.

Citizens and stakeholders of the coastline were also invited to express their views in five consultation workshops organised in January 2020 throughout the coastline.

3. Linking the SBSB action plan with other existing public policies

The coastline strategy document specifies and completes the guidelines of the national sea and coastal strategy with regard to the economic, social and economic issues specific to it.

It also meets the transposition obligations of two European framework directives:

- the "marine strategy" framework directive (directive 2008/56 of 17 June 2008) which aims to achieve or maintain good environmental status in the marine environment by 2020;
- the Maritime Spatial Planning Framework Directive (Directive 2014/89 of 23 July 2014) which establishes a framework for maritime planning.

The SBSB Action Plan, for its environmental component, succeeds the programme of measures of the Marine Action Plan adopted in 2016. In particular, it assesses whether these measures are sufficient to achieve the objectives of the maritime coastline strategy and proposes new ones, if necessary.

The SBSB also contributes to the implementation of national strategies, which are complementary to the NMLS.

It sets out the national strategy for protected areas published on 12 January 2021, which aims in particular to increase the surface area under strong protection within marine protected areas. On this basis, the PoA aims to create a consistent, connected network of protection that is representative of the diversity of ecosystems on the scale of the coast.

It also contributes to the implementation of the biodiversity plan, adopted on 4 July 2018, which aims to accelerate the implementation of the national biodiversity strategy. The PoA thus contributes to the achievement of the objectives of the biodiversity plan concerning artificialization, the preservation of benthic habitats, the protection of marine mammals and the reduction of waste at sea.

Finally, the SBSB endeavours to coordinate as well as possible with other plans, programmes and schemes of interest to the marine environment. This is particularly the case with the Artois-Picardy and Seine-Normandy water development and management master plans (SDAGEs), which are documents that implement the Water Framework Directive (Directive 2000/60/EC of 23 October 2000)*.

4. An action plan to provide sustainable development of maritime activities and preservation of the marine environment

The action plan of the coastline strategy document makes it possible to meet the 15 general strategic targets of the maritime coastline strategy adopted on 25 September 2019 by the coastline coordinating prefects.

Its 47 environmental actions and 46 socio-economic actions, presented by environmental themes and descriptors in chapter 3 of the document, ensure the preservation of the marine environment in order to achieve good environmental status of marine waters. They also promote integrated coastal management. Finally, they contribute to the sustainable development and greening of maritime activities while promoting coexistence between activities.

* Annex 1 describes the link between the environmental targets of the coastline strategy document and the guidelines and provisions of the Artois-Picardy and Seine-Normandy SDAGEs.



Reminder of the objectives

general strategic objectives
and designated uses map
of the sea basin strategy

The general strategic targets group together the specific environmental (EO) and socio-economic (SEO) objectives adopted on 25 September 2019 by the coordinating prefects of the maritime area.

They structure the Sea Basin Strategy Document. The order of presentation of the objectives does not imply any hierarchy between them.

4

AQUACULTURE

Strengthen the shellfish industry's assets and the fish farming potential of the Eastern English Channel and the Sea the North by preserving the quality of coastal waters and maintaining healthy and productive marine

→ 15 individual EOs and 6

1

OPERATION MARINE AND COASTAL ECOSYSTEMS

Maintaining or restoring the proper functioning of marine ecosystems by limiting anthropic pressures on coastal and offshore areas

→ 37 Individual EOs

5

MARINE RENEWABLE ENERGY

Develop all the renewable marine energy sectors and their connections in the maritime area.

→ 16 individual EOs and 4

8

SHIPBUILDING AND NAUTICAL INDUSTRIES

Develop, support and diversify shipbuilding, shipbreaking and ship repair and to promote the SME's that structure the territory of the maritime coastline.

→ 25 individual EOs and 5

9

AGRICULTURE

Maintain agricultural and pastoral activities in coastal areas with a view to sustainable development and structuring of coastal areas and sub-littoral areas of the English Channel and the North

→ 6 Individual EOs

12

RESEARCH, INNOVATION, TRAINING

Strengthen the structure of vocational and higher education provision, innovation and dissemination capacities into knowledge clusters within the maritime area.

→ 8 individual EOs and 7

13

MARITIME AND COASTAL HERITAGE

Raising awareness of the maritime, cultural, industrial and natural heritage of the Eastern English Channel and the North Sea.

→ 8 individual EOs and 4

2

MARINE AND COASTAL BIODIVERSITY

Preserve rare, threatened or important marine species and habitats in the food web and ecological connectivity by taking appropriate protection or restoration measures.

→ 15 Individual EOs

3

PROFESSIONAL FISHING

Strengthening maritime fishing activities maintaining productive and healthy marine habitats and ensuring sustainable management of resources in the English Channel and North Sea.

→ 21 individual EOs and 4

6

MARINE AGGREGATES EXTRACTION

Affirm the strategic interest of the maritime coastline as a source of materials for major regional and supra-regional infrastructure projects as well as to the building and public works sector. Support the marine aggregates extraction sector up to the 10.5 million m³ authorised annually on the coast. Anticipate future needs by allocating research permits if necessary

→ 12 individual EOs and 2 individual SEOs

7

MARITIME TRAFFIC AND PORT AREAS, DREDGING

Strengthen the strategic position of ports in the European range; encourage port cooperation; modernise infrastructures and equipment to diversify activities while limiting disturbance to the environment.

→ 38 individual EOs and 9

10

STATE INTERVENTION AT SEA AND ON THE COASTLINE (SECURITY AND SAFETY)

Maintain and adapt the State's surveillance and intervention capabilities at sea to preserve the safety and security conditions of maritime and port areas.

→ 11 individual EOs and 2

1

MARITIME AND COASTAL TOURISM AND LEISURE

*Preserve the environmental assets and remarkable sites of the maritime coastline which determine the attractiveness of the English Channel and the North Sea for tourism
To promote coastal and nautical leisure activities based on education about the sea and the discovery of the environment.*

→ 35 individual EOs and 4

14

LAND-BASED POLLUTION

Prevent land-based pollution impacting water quality and marine and coastal ecosystems.

→ 9 Individual EOs

15

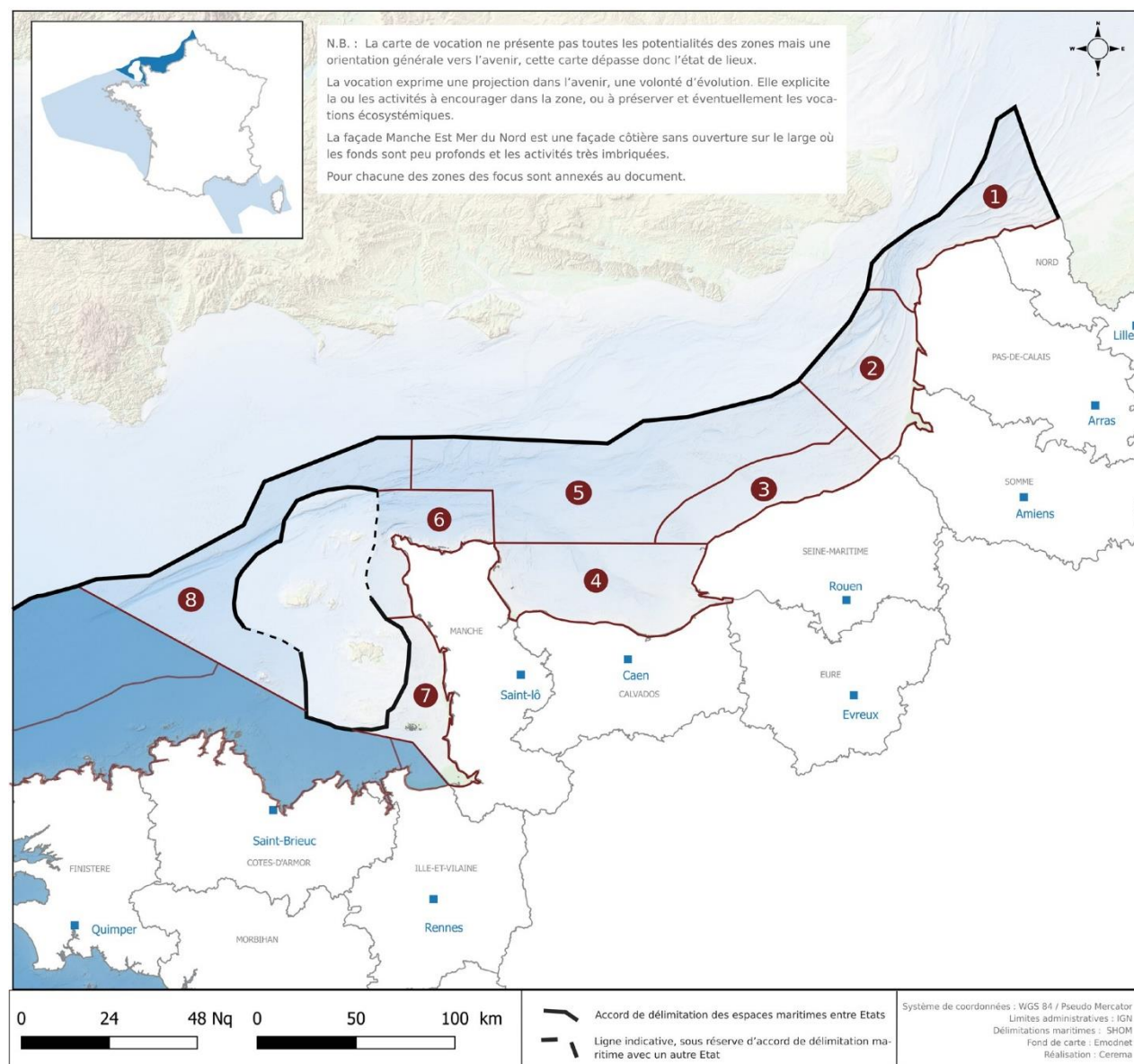
MANAGEMENT OF THE COASTLINE AND ITS ARTIFICIALIZATION, PREVENTION OF NATURAL RISKS

To define, in application of the National Strategy in addition, it is necessary to develop a Coastline Management Plan, a concerted strategy or strategies at the right scale, to manage natural risks in the Eastern English Channel and North Sea and to control the development of the coastline.

→ 29 individual EOs and 2

Carte des vocations de la façade maritime Manche Est - Mer du Nord

V8 - septembre 2018



1 Caps et détroit du Pas de Calais

Prédominance de la navigation maritime, des enjeux de sécurité maritime et des infrastructures portuaires et EMR. Besoin de maintenir l'activité de pêche maritime, le potentiel aquacole de la zone ainsi que de granulats marins, tout en permettant l'accueil des activités touristiques grandissantes. Préservation des corridors migratoires et des habitats remarquables.

2 Estuaires picards et mer d'Opale

Prédominance de la navigation maritime et des enjeux de sécurité maritime.

Zone de développement de la connaissance du patrimoine marin, de protection et de développement durable du milieu marin (pêche et aquaculture marine durables, et activités portuaires associées, tourisme littoral, préservation des zones fonctionnelles halieutiques et granulats).

3 Côte d'Albâtre et ses ouverts

Zone de confortement du potentiel des énergies marines renouvelables, des activités de pêche durable et d'extraction de granulats marins dans le respect des zones fonctionnelles halieutiques

4 Baie de Seine

Zone de renforcement de la cohabitation des usages dans un contexte de multi-activités présentes ou à venir (granulats marins, pêche, aquaculture, énergies marines renouvelables, attractivité touristiques, infrastructures portuaires, industrielles majeures et défense) et de forts enjeux écologiques estuariens (nourriceries, frayères, sites de nidification, etc.).

5 Large baie de Seine

Prédominance de la navigation maritime et des enjeux de sécurité maritime.

Zone de développement des EMR et des granulats marins, en cohabitation avec les activités maritimes existantes, dont la pêche et la défense, et le besoin spécifique de protection des mammifères marins.

6 Nord Cotentin

Zone à fort potentiel de développement durable des activités maritimes actuelles ou émergentes (pêche et aquaculture marine durables, production d'énergie par hydroliennes, construction navale, activités militaires, tourisme littoral, etc.).

7 Ouest Cotentin - Baie du Mont Saint-Michel

Zone de conciliation de sa vocation conchylicole et de pêche maritime d'une part avec son attractivité touristique, la richesse de son patrimoine naturel et de ses écosystèmes marins d'autre part.

8 Manche ouest au large des îles anglo-normandes

Prédominance de la navigation maritime et des enjeux de sécurité maritime en cohabitation prioritairement avec les activités de pêches professionnelles durables et à vocation de développement d'énergies marines renouvelables.

Zone de préservation des mammifères et oiseaux marins.



Existing actions

contributing to the achievement of strategic targets

Analysis of the existing action plans to the goals of the SBS

The action plan of the Eastern Channel - North Sea Sea Basin Document lists the actions already implemented in the Channel North Sea Marine Action Plan (APME). It does the same for measures performed under other national or local public policies as well as those resulting from international instruments.

On the basis of this inventory, the adequacy of these actions to the ambitions of the NMRor SBS is analysed. More specifically, the aim is to assess their capability to achieve the socio-economic and environmental targets set out in the maritime coastline strategy.

Where existing actions appear insufficient to meet the objectives, new actions are selected. Each of these is the subject of a dedicated action sheet presented in Chapter 3 of the Action Plan.



Socio-economic Topics

Sufficiency of existing measures

PM

Maritime fisheries

Make the ecological transition of fishing units by renewing equipment and the fleet, while preserving small-scale fishing

Promoting the marketing of seafood products

Supporting quality sign approaches for seafood products that contribute to the sustainable management of resources

Supporting the establishment of a collection and recovery system for used fishing gear and nets



Existing APME measures (1st cycle)

M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents

PM-3A

PM-3B

PM-3C

PM-3D

✓

Existing measures under other public policies

Code Title

Mandatory reporting of incidental catches of marine mammals and use of these data for scientific knowledge

✓

Mco-NAT-009 Strengthening waste prevention

Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions

Mco-NAT-011 Transposition and implementation of the single-use plastics and fishing gear directive

Mco-NAT-013 Revision of the European Directive on port reception facilities

Use the analysis of the risks of damaging the habitat conservation objectives of the sites Mco-NAT-017

Natura 2000 by professional marine fisheries

Mco-NAT-021 Development of a national management plan for Atlantic salmon

Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans

Reducing waste in aquatic, coastal and marine environments MSeCo-MMN-007 and the sea

Reduce illegal dumping

MSeCo-MMN-011 Use of the Ademe's call for expressions of interest in the framework of the Programme Investissement d'Avenir [Programme to invest in the Future]

Implementation of measure 37 of the MSeCo-MMN-018 circular economy roadmap to facilitate (or anticipate) the removal of waste status

Without International Policy: PCP

Without a Regional Plan for the Organisation and Equipment of Norman Fishing Ports

Without Orders to ban electric trawling in the North Sea

Are the existing measures sufficient to achieve the objective?

NO

NO

NO

NO

New actions:

- PM-Eastern Channel-North Sea-01 => Encourage the improvement of fishing gear selectivity
- PM-AQUA-Eastern Channel-North Sea-01 => To assist fishermen and fish farmers in the preparation of grant applications

New action:

- PM-AQUA-Eastern Channel-North Sea-02 => Promote consumer access to fisheries resources by developing innovative marketing channels for fishing, fish farming and shellfish farming

New action:

- PM-AQUA-Eastern Channel-North Sea-03 => Develop communication to promote the various labels and quality signs for seafood products

New action: No

| Sufficiency of existing measures | Increase marine fish production by 40% by 2020 in the maritime area | | | | | | |
|---|--|--------|--------|--------|--------|--------|--|
| | Facilitate the establishment of new aquaculture areas and activities | | | | | | |
| AQU Aquaculture | Encouraging the transition of aquaculture activities towards sustainable and biodiversity | | | | | | |
| | Ensuring that marketing capability is maintained in the face of | | | | | | |
| Code Title | Supporting quality sign approaches for seafood products that contribute to the sustainable management of resources | | | | | | |
| | Promoting the marketing of seafood products | | | | | | |
| M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents | AQU-4A | AQU-4B | AQU-4C | AQU-4D | AQU-4E | AQU-4F | |
| | | | ✓ | | | | |
| Existing measures under other public policies | | | | | | | |
| Code Title | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | ✓ | ✓ | ✓ | ✓ | | | |
| Mco-NAT-009 Strengthening illegal dumping | | | ✓ | | | | |
| Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions | | | ✓ | | | | |
| Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration | | | | | | | |
| Mco-NAT-018 or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | ✓ | ✓ | | | | |
| Mco-NAT-033 Supporting beach management and maintenance through the development of a legal guide | | ✓ | | | | | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | ✓ | | | | | |
| Mco-MMN-024 Anticipatory study of the effects of climate change | | ✓ | ✓ | | | | |
| Mco-MMN-028 Implementation of the SDAGE Seine Normandie | | ✓ | | ✓ | | | |
| MMN-029 Implementation of the SDAGE Artois Picardie | | | ✓ | ✓ | | | |
| Without Regional Marine Aquaculture Development Schemes (SRDAM) | | ✓ | | | | | |
| Without Schemes for the structure of marine cultures | | ✓ | | | | | |
| Without Closure by prefectural decree during norovirus contaminations allowing its management | | | | ✓ | | | |
| | | | | | | | |
| | | | | | | | |
| POLMAR provision: the competent expert defines the characteristics of the polluting products, their behaviour in water, air and movement, and environmental issues. | | | | ✓ | | | |
| Without specific standards and protective guidelines for health, food safety and environmental issues. | | | | | | | |
| * different levels: national, departmental, local | | | | | | | |
| Are the existing measures sufficient to achieve the objective? | | | | | | | |
| | NO | NO | NO | NO | NO | NO | |
| New actions: | | | | | | | |
| • AQUA-Eastern Channel-North Sea-01 => Promote the development of sustainable marine fish farming adapted to the high national potential | | | | | | | |
| • AQUA-NAT-01 => Planning future aquaculture areas on the coast | | | | | | | |
| New action: | | | | | | | |
| • AQUA-NAT-02 => Secure the procedures for examining applications for operating permits for aquaculture farms | | | | | | | |
| New action: | | | | | | | |
| • Objective to be addressed at a later stage | | | | | | | |

| AQU-4D | AQU-4E | AQU-4F | | |
|--------|--------|--------|--|--|
|--------|--------|--------|--|--|

New action:

- PM-AQUA-Eastern English Channel-North Sea-01 => To assist fishermen and fish farmers in the preparation of grant applications

New action:

- PM-AQUA-Eastern English Channel-North Sea-03 => Develop communication to promote the various labels and quality signs for seafood products

New actions:

- SPP-Eastern English Channel-North Sea-02 => Structuring and enhancing the maritime heritage of the coast
- PM-AQUA-Eastern English Channel-North Sea-2 => Promote consumer access to fisheries resources by developing innovative marketing channels for fishing, fish farming and shellfish farming

Existing measures contributing to the achievement of the objective

| Sufficiency of existing measures | | Identification of potential areas for wind power development | Coordinate the development of MRE projects and their connections to promote their territorial anchoring | Encourage the development of structured MRE sectors that generate employment on the scale of the | Encourage experimentation with all MRE technologies and their connection | | | | |
|---|---|--|---|--|--|--|--|--|--|
| MRE | | MRE-5A | MRE-5B | MRE-5C | MRE-5D | | | | |
| Marine renewable energy | | | | | | | | | |
| Existing APME measures (1 cycle) | | | | | | | | | |
| / / | | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code Title | | | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | | ✓ | | | | |
| | Establishment of a framework to assess and reduce the impact of lighting on offshore installations Mco-NAT-006 on seabirds (in the OSPAR area) | | | | ✓ | | | | |
| Mco-NAT-018 | Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | | | ✓ | | | | |
| | Conduct a public debate to define MSEco-MMN-001 areas for launching an offshore tender(s) across Normandy | ✓ | ✓ | | | | | | |
| MSEco-MMN-002 | Reflect on the possibilities of pooling connections of offshore wind farms | | ✓ | | ✓ | | | | |
| | Public participation when the Minister initiates a competitive bidding process for facilities MSEco-MMN-008 of offshore renewable energy production | ✓ | | | | | | | |
| | Issuance of Variable Characteristic Permits MSEco-MMN-009 for renewable ocean energy projects | ✓ | | | | | | | |
| | | | ✓ | | | | | | |
| MSEco-MMN-010 | Application of the Multi-annual Energy Programme | ✓ | | | | | | | |
| MSEco-MMN-011 | Use of the Ademe's call for expressions of interest in the framework of the Programme Investissement d'Avenir [Programme to invest in the Future] | | | | ✓ | | | | |
| | Without conducting consultation in the framework of of the multi-annual energy plan | | ✓ | | | | | | |
| | | | | | | | | | |
| | Without ESSOC Law | | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | | |
| | | YES | NO | NO | NO | | | | |
| New action: No | | | | | | | | | |
| New actions: | | | | | | | | | |
| <ul style="list-style-type: none"> MRE-Eastern Channel-North Sea-01 => Conduct consultations on the coastline to enable the launch of calls for tender for projects that are in line with the objectives set out in the multi-annual energy programme (PPE) MRE-Eastern Channel-North Sea-02 => Create a scientific council for the coastline MRE-Eastern Channel-North Sea-03 => Create a management and monitoring committee for wind projects on the coast | | | | | | | | | |
| New actions: | | | | | | | | | |
| <ul style="list-style-type: none"> MRE-Eastern Channel-North Sea-04 => Develop a training offer adapted to the MRE sector PTM-Eastern Channel-North Sea-04 => Enhance the value of port land by developing a sustainable and concerted development approach | | | | | | | | | |
| New actions: | | | | | | | | | |
| <ul style="list-style-type: none"> MRE-Eastern Channel-North Sea-05 => Continue and encourage research for the development of offshore wind and marine renewable energies and in particular less mature technologies MRE-Eastern Channel-North Sea-06 => Encourage experiments on the multiple uses MRE-Eastern Channel-North Sea-07 => Continue studies to evaluate the possibilities of pooling and optimisation of connections | | | | | | | | | |

| | | | | | | | | | | |
|--|--|--|---|--|--|--|--|--|--|--|
| Sufficiency of existing measures GME Marine aggregates and extraction | | Maintain the current authorised extraction capacities and plan for their renewal in the long | Anticipating future needs of the marine aggregates coastline by authorising | | | | | | | |
| Existing APME measures (1 st cycle) | | GME-6A | GME-6B | | | | | | | |
| / / | | | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | | |
| Code Title | | | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | | ✓ | ✓ | | | | | | | |
| Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration | | ✓ | ✓ | | | | | | | |
| Mco-NAT-018 or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | | | | | | | | | |
| Draft (in conjunction with the regional MSEco-MMN-003 quarry plans) the objective and management document marine aggregates for the Eastern Channel and North Sea coast (M025) | | ✓ | ✓ | | | | | | | |
| Use of data from the current departmental MSEco-MMN-012 plans and the next regional career development plan | | ✓ | ✓ | | | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | | | |
| | | YES | YES | | | | | | | |
| <u>New action:</u> • PTM-Eastern Channel-North Sea-04 => Enhance the value of port land by developing a sustainable and concerted development approach | | | | | | | | | | |
| <u>New action:</u> • GME-Eastern Channel-North Sea-01 => Improve knowledge of exploitable deposits in the Eastern Channel-North Sea | | | | | | | | | | |

Sufficiency of existing measures

PTM

Ports and maritime transport

Code Title

Perform a census of the M013-NAT2 docking areas in marinas, encourage the demarcation and to the pooling of docking areas and to favour the elimination of discharges of contaminants into the sea

Creating a one-stop shop for ports

Promote the digitalisation of maritime and river logistics systems in order to facilitate and consolidate flows

Developing river and rail transport in a logic of modal shift and standardisation of pre- and post-carriage

Facilitating the discharge of dredged material

Supporting the dredging sediment re-use sector through inter-port and inter-sector cooperation

Use port land to favour the establishment or maintenance of activities dependent on port infrastructures and reconvert port wastelands

Implement coordinated development and equipment policies to reduce port pollution and waste

Allow ships to be fuelled with alternative fuels (LNG, hydrogen, hybrid, electric) with specific infrastructures

Reducing emissions of air pollutants and greenhouse gases from ports and maritime traffic

Existing measures under other public policies

Code Title

Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets

Mco-NAT-009 Strengthening illegal dumping

Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions

Mco-NAT-013 Revision of the European Directive on port reception facilities

Mco-NAT-015 Compliance with regulations on air pollutant discharges from ships

Mco-NAT-018 Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats

Mco-NAT-024 Deployment of shore power systems in French ports

Mco-NAT-026 Put in place measures to achieve the objectives of the Atmospheric Protection Plans (APP)

Measures of the SDAGE Artois Picardie to reduce pollution other than dangerous substances Mco-MMN-014 in the industry

MSEco-MMN-010 Application of the Multi-annual Energy Programme

Existing measures contributing to the achievement of the objective

| Existing measures under other public policies | | PTM-7A | PTM-7B | PTM-7C | PTM-7D | PTM-7E | PTM-7F | PTM-7G | PTM-7H | PTM-7I |
|---|--|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Code | Title | | | | | | | | | |
| 013 | Interport Coordination and Logistics Council of the northern axis created on 12/04/2019 (digitalisation) | ✓ | ✓ | ✓ | | | | | | |
| 014 | Interport Coordination and Logistics Council of the northern axis created on 12/04/2019 (modal shift) | ✓ | ✓ | ✓ | | | | | | |
| MSEco-MMN-015 | Implementation of the SRADDET Hauts-de-France adopted on 31/01/2019 | | | ✓ | | | ✓ | ✓ | | |
| 016 | Interport Coordination and Logistics Council of the northern axis created on 12/04/2019 (dredging) | | | | ✓ | ✓ | | | | |
| MSEco-MMN-017 | Implementation of the circular economy action plan of the Hauts-de-France PRPGD on sediments | | | | ✓ | ✓ | | | | |
| 018 | orientations n°5 and n°10 aiming at monitoring and recovering non-hazardous dredged sediments | | | | | | | | | |
| 018 | circular economy roadmap to facilitate (or anticipate) the exit from waste status | | | | ✓ | ✓ | | | | |
| MSEco-MMN-019. A | Implementation of article 85 of the blue economy law: "From 1 January 2025, the disposal at sea of polluted sediments and dredging residues shall be prohibited, a process for treating sediments and residues and for recovering macro-waste is established. The thresholds above which sediments and residues may not be dumped are defined by regulation. " | | | | ✓ | ✓ | | | | |
| MMN-020 | Interport Coordination and North Logistics Axis created on 12/04/2019 (sustainable development) | | | | | | ✓ | ✓ | ✓ | ✓ |
| MMN-021 | Implementation of the strategic project and the MSEco-sustainable development plan of the GPMD | | | ✓ | | | ✓ | | ✓ | ✓ |
| 023 | Interport Coordination and Logistics Council of the northern axis created on 12/04/2019 | | | | | | | ✓ | | |
| 024 | Interport Coordination and Logistics Council of the northern axis created on 12/04/2019 (clean energy) | | | | | | ✓ | | ✓ | ✓ |
| | Without Implementation SCOT and PLU | | | ✓ | | | | | | |
| | Without Implementation of the SRADDET of Normandy | | | ✓ | | | | | | |
| | Without Mobility Orientation Bill | | | ✓ | | | | | | |
| | Without Digital transition actions of the Haropa Alliance ports | | ✓ | | | | | | | |
| | Without CPER actions | | ✓ | | | | | | | |
| | Without Strategic project for Le Havre and Haropa ports | | | ✓ | | | | | | |
| | Without Port of Le Havre Investment Programme | | | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | | | |
| | | YES | YES | YES | YES | NO | YES | YES | YES | YES |
| New action: No | | | | | | | | | | |
| New action: No | | | | | | | | | | |
| New actions: | | | | | | | | | | |
| • PTM-Eastern Channel-North Sea-01 => Construct the port of Le Havre's chatière subject to the issuance of the authorisations provided for by the regulations and in compliance with the activities | | | | | | | | | | |
| • PTM-Eastern Channel-North Sea-02 => Strengthen inter-port cooperation at interregional level | | | | | | | | | | |
| New action: No | | | | | | | | | | |

| PTM-7E | PTM-7F | PTM-7G | PTM-7H | PTM-7I |
|--------|--------|--------|--------|--------|
|--------|--------|--------|--------|--------|

New action:

- PTM-Eastern Channel-North Sea-03 => Develop the dredging sediment re-use sector

New action:

- PTM-Eastern Channel-North Sea-04 => Enhance the value of port land by developing a sustainable and concerted development approach

New action: No

New action:

- PTM-Eastern Channel-North Sea-05 => Equip ports with dedicated structures shore-side electrification and clean energy refuelling

New action: No

Sufficiency of existing measures

INN

Nautical and Naval Industries

Maintain production capability by supporting the manufacture and marketing of innovative ships and equipment

Encouraging sustainable boating accessible to all

Promote a collaborative yachting model that considers digital, environmental and maritime safety issues

Supporting innovation to adapt the shipbuilding and marine industry

Supporting the dismantling industry by recovering the resulting waste

Existing APME measures (1st cycle)

/ /

Existing measures under other public policies

Code Title

Mco-NAT-009 Strengthening illegal dumping

Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions

Mco-NAT-034 Promote the creation of mooring areas and light equipment (MLEA)

Mco-NAT-035 Guide for the creation and management of anchorage and light equipment areas (MLEA)

Creation of a light mooring area and equipment Mco-MMN-006 on Chausey avoiding the Zostera marine meadows . (M403)

MSEco-MMN-011 Use of the Ademe's call for expressions of interest in the framework of the Programme Investissement d'Avenir [Programme to invest in the Future]

Implementation of measure 37 of the MSEco-MMN-018 circular economy roadmap to facilitate (or anticipate) the removal of waste status

Without Actions of the Strategic Committee for Maritime Industries

INN-8A

INN-8B

INN-8C

INN-8D

INN-8E

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

Are the existing measures sufficient to achieve the objective?

NO

NO

NO

NO

NO

New action:

- INN-NAT-01 => Contribute to the dialogue between the State and the industry in terms of R&D support and make State support more visible, particularly in terms of clean propulsion and eco-design

New actions:

- INN-Eastern Channel-North Sea-01 => Promote access to nautical activities
- INN-Eastern Channel-North Sea-02 => Supporting ports in their digitalisation process

New action:

- INN-Eastern Channel-North Sea-03 => Supporting nautical stakeholders in the evolution of recreational boating uses

New actions:

- INN-Eastern Channel-North Sea-04 => Structuring the shipbuilding and nautical innovation sector
- INN-NAT-02 => Supporting the digital transformation of companies and the production chain (parent companies and subcontractors) and products of the shipbuilding and marine industries

New action:

- INN-NAT-05 => Deploying the dismantling of pleasure craft through reinforced support for eco-organisations in the development of the sector, individuals and communities, and port managers

| | | | | | | | | |
|---|--|--|---------|--|--|--|--|--|
| Sufficiency of existing measures SEC Maritime safety and security | | Maintain bathymetric knowledge to ensure safe navigation and access to ports Adapting sea and coastal monitoring tools and systems to new technologies and the digital transition | | | | | | |
| Existing APME measures (1 st cycle) | | SEC-10A | SEC-10B | | | | | |
| / | | | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Without Bathymetric surveys already performed by SHOM campaigns and during IFREMER campaigns | | ✓ | | | | | | |
| Without Project already implemented: The European EMODnet Bathymetry project | | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | |
| | | NO | NO | | | | | |
| <u>New action:</u> • SEC-Eastern Channel-North Sea-01 => Securing navigation and maintaining maritime activities in the vicinity of cables | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |

| Sufficiency of existing measures | | Strengthen the "Clean Ports" initiatives of marinas to disseminate good practices | | | | Raising awareness of maritime safety among tourists and boaters and environmental preservation | | | | Encourage the development of areas dedicated to cruise passengers by strengthening | | | | Structuring accessible territorial tourist centres committed to a multi-activity | | | | | | | |
|--|--|---|-------------|-------------|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| TOU - SPO | | TOU-SPO-11A | TOU-SPO-11B | TOU-SPO-11C | TOU-SPO-11D | | | | | | | | | | | | | | | | |
| Tourism and Water Sports | | | | | | | | | | | | | | | | | | | | | |
| Code Title | | | | | | | | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | | | | | | | | | | | | | |
| Code Title | | | | | | | | | | | | | | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | | | | ✓ | | | | | | | | | | | | | | | | | |
| Mco-NAT-009 Strengthening illegal dumping | | ✓ | ✓ | | | | | | | | | | | | | | | | | | |
| Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions | | ✓ | ✓ | | | | | | | | | | | | | | | | | | |
| Mco-NAT-013 Revision of the European Directive on port reception facilities | | ✓ | | | | | | | | | | | | | | | | | | | |
| Mco-NAT-024 Deployment of shore power systems in French ports | | | | | | | | | | | | | | | | | | | | | |
| Mco-NAT-033 Supporting beach management and maintenance through the development of a legal guide | | ✓ | ✓ | | | | | | | | | | | | | | | | | | |
| Mco-NAT-035 Guide for the creation and management of anchorage and light equipment areas (MLEA) | | ✓ | | | | | | | | | | | | | | | | | | | |
| Mco-MMN-014 Measures of the SDAGE Artois Picardie to reduce pollution other than dangerous substances in industry | | ✓ | | | | | | | | | | | | | | | | | | | |
| MSEco-MMN-004 Life fishing programme | | | ✓ | | | | | | | | | | | | | | | | | | |
| MSEco-MMN-021 Implementation of the GPMD strategic project and sustainable development plan | | | | ✓ | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Without Charter of commitments and objectives for the sustainable development of marinas | | ✓ | | | | | | | | | | | | | | | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | | | | | | | | | | | | | | |
| | | YES | NO | NO | NO | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| New action: No | | | | | | | | | | | | | | | | | | | | | |
| New actions: | | | | | | | | | | | | | | | | | | | | | |
| • TOU-SPO-Eastern English Channel-North Sea-01 => Optimise waste collection on the foreshore and at sea, by facilitating the voluntary participation of users, and to organise the recovery of the materials collected | | | | | | | | | | | | | | | | | | | | | |
| • TOU-SPO-Eastern English Channel-North Sea-02 => Raise public awareness of the environmental challenges of water sports | | | | | | | | | | | | | | | | | | | | | |
| • INN-Eastern English Channel-North Sea-03 => Supporting nautical stakeholders in the evolution of recreational boating uses | | | | | | | | | | | | | | | | | | | | | |
| New action: | | | | | | | | | | | | | | | | | | | | | |
| • TOU-SPO-Eastern English Channel-North Sea-03 => Boosting cruise terminals | | | | | | | | | | | | | | | | | | | | | |
| New action: | | | | | | | | | | | | | | | | | | | | | |
| • TOU-SPO-Eastern English Channel-North Sea-04 => Promote the sustainable development and eco-responsible tourism offer proposed on the coastline with a view to developing a "multi-activity" offer | | | | | | | | | | | | | | | | | | | | | |

Existing measures contributing to the achievement of the objective

Sufficiency of existing measures

RI-FOR-CON

Research-Innovation, Training and Knowledge

| Code Title | Adapt the existing maritime training offer to the needs of the coastline and create links between the training courses Increase the level of qualification of maritime and coastal professions Create new training courses to meet the challenges of the ecological transition at sea and on the coast Support public and private research on maritime and coastal environments and activities Federating, organising and disseminating knowledge Exploiting knowledge of marine environment monitoring for the benefit of the sanitary and zoo-sanitary quality of Support the structuring of ecological engineering and blue biotechnology sectors | | | | | | |
|---|--|----------------|----------------|----------------|----------------|----------------|----------------|
| | RI-FOR-CON-12A | RI-FOR-CON-12B | RI-FOR-CON-12C | RI-FOR-CON-12D | RI-FOR-CON-12E | RI-FOR-CON-12F | RI-FOR-CON-12G |
| M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents | | | | | | ✓ | |
| M242-NAT1a Regulatory framework for the safety of fishery and aquaculture products | | | | | | ✓ | |
| Existing measures under other public policies | | | | | | | |
| Code Title | | | | | | | |
| Mco-NAT-029 Strengthening the system of research and reduction of discharges of hazardous substances into water (ESRD) | | | | ✓ | | | |
| Mco-MMN-018 Identify marine Znieffs | | | | | ✓ | | |
| Mco-MMN-019 Improving knowledge of the ecology of grey seals and seabirds | | | | | ✓ | | |
| Mco-MMN-020 Improving knowledge of seabird ecology in the open sea | | | | | | ✓ | |
| Mco-MMN-023 Monitor actions: anchorages, marine mammal observatory, RNN management plans | | | | | | | ✓ |
| Mco-MMN-024 Anticipatory study of the effects of climate change | | | | | | | |
| MSEco-MMN-027 Exercise of the Regional Biodiversity Committee HdF installed in November 2018 | | | | | ✓ | | |
| Without Actions 70 to 75, 77 and 79 of the Biodiversity Plan | | | | | ✓ | | |
| Are the existing measures sufficient to achieve the objective? | | | | | | | |
| | NO | NO | NO | NO | NO | YES | NO |
| New actions: • RI-FOR-CON-Eastern Channel-North Sea-01 => To ensure the promotion and enhancement of maritime occupations • INN-NAT-04 => Anticipate the needs in terms of skills and job volumes to reinforce the attractiveness of the maritime industries sector | | | | | | | |
| New action: • RI-FOR-CON-Eastern Channel-North Sea-02 => Enhancing the value of maritime training courses leading to qualifications by relying on a centre of reference and enhancement of | | | | | | | |
| New action: • RI-FOR-CON-Eastern Channel-North Sea-03 => Developing qualifications and skills adapted to the new challenges of the ecological transition by relying on a reference and development centre for the sea-based professions | | | | | | | |
| New actions: • RI-FOR-CON-Eastern Channel-North Sea-04 => Prioritise funding of public and private research projects • RI-NAT-01 => Developing the blue economy observatory | | | | | | | |
| New actions: • RI-FOR-CON-Eastern Channel-North Sea-05 => To reference research structures and disseminate their work • MRE-Eastern Channel-North Sea-02 => Create a scientific council for the coastline • RI-FOR-CON-Eastern Channel-North Sea-06 => Facilitate the sharing and dissemination of all data relating to the marine environment | | | | | | | |
| New action: No | | | | | | | |
| New action: • RI-FOR-CON-Eastern Channel-North Sea-07 => Drafting a development strategy for the blue biotechnology sector on the scale of the coastline | | | | | | | |

| | | | | | | | | | |
|---|--|---|--|--|---|--|--|--|--|
| Sufficiency of existing measures SPP Sites, Landscapes and Heritage | | Recognising the strong heritage of maritime and coastal activities and trades | Promoting maritime employment on the NM/Ror coastline by making it more attractive | Organising and supporting major maritime events of the coastline | Communicate to the general public the issues related to energy production and the | | | | |
| Existing APME measures (1 st cycle) | | SPP-13A | SPP-13B | SPP-13C | SPP-13D | | | | |
| / | | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code Title | | | | | | | | | |
| Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration | | | | | | | | | |
| Mco-NAT-018 or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | ✓ | | | | | | | |
| Without Actions performed in the framework of a public debate procedure | | | | | ✓ | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | | |
| | | NO | NO | NO | NO | | | | |
| <u>New actions:</u> <ul style="list-style-type: none"> RI-FOR-CON-Eastern Channel-North Sea-01 => To ensure the promotion and enhancement of maritime occupations SPP-Eastern Channel-North Sea-01 => Support the creation and development of "open air museums" SPP-Eastern Channel-North Sea-02 => Structuring and enhancing the maritime heritage of | | | | | | | | | |
| <u>New action:</u> <ul style="list-style-type: none"> RI-FOR-CON-Eastern Channel-North Sea-01 => To ensure the promotion and enhancement of maritime occupations | | | | | | | | | |
| <u>New action:</u> <ul style="list-style-type: none"> SPP-Eastern Channel-North Sea-03 => Encourage the organisation of maritime and nautical events by providing technical support to project leaders | | | | | | | | | |
| <u>New action:</u> No | | | | | | | | | |

| Sufficiency of existing measures | | Define a territorial strategy for managing the coastline and organise the repositioning of daily activities in 20, 40, 60 Consider the rise in sea level and the mobility of the coastline by plans, programmes, schemes or projects | | | | | | |
|--|--|---|---------|--|--|--|--|--|
| RLI Coastal risks | | RLI-15A | RLI-15B | | | | | |
| Code Title | | | | | | | | |
| Target and implement the policy of allocating M005-NAT1b and the natural public maritime domain to Conservatory of coastal space and lake shores | | ✓ | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Mco-NAT-031 Implement the land acquisition policy of the Conservatoire de l'espace littoral et des rivages lacustres [Conservatory of coastal space and lake shores] | | ✓ | ✓ | | | | | |
| Mco-NAT-032 Strengthening the resilience of coastal areas through nature-based solutions | | ✓ | ✓ | | | | | |
| Mco-NAT-033 Supporting beach management and maintenance through the development of a legal guide | | ✓ | ✓ | | | | | |
| Mco-MMN-024 Anticipatory study of the effects of climate change | | ✓ | ✓ | | | | | |
| MSEco-MMN-005 Setting up a coastline evolution observation network on the scale of the coastline | | ✓ | ✓ | | | | | |
| MSEco-MMN-006 Implementation of PPRL ; Inclusion of a rule in the draft SRADDET | | ✓ | ✓ | | | | | |
| Implementation of the Hauts-de-France Regional Natural Hazards Strategy MSEco-MMN-028 2019-2021 (natural risks - coastline management) | | ✓ | ✓ | | | | | |
| MSEco-MMN-029 Implementation of the SRADDET Hauts-de-France (stopped on 31/01/2019) - rule RG 10 | | ✓ | ✓ | | | | | |
| | | Are the existing measures sufficient to achieve the objective? | | | | | | |
| | | YES | YES | | | | | |
| <u>New action:</u> <ul style="list-style-type: none"> RLI-Eastern Channel-North Sea-01 => Support the development, at the right geographical scales, of territorial strategies for adapting to the mobility of the coastline, in a context of climate change, by the authorities responsible for urban planning and coastal risk management (Gemapi) | | | | | | | | |
| <u>New action:</u> <ul style="list-style-type: none"> RLI-Eastern Channel-North Sea-02 => Develop a risk culture on the coastline in terms of marine submersion and coastline recession among local decision-makers and the general public | | | | | | | | |



Environmental topics

Sufficiency of existing measures

D1-HB

Benthic habitats

| Existing APME measures (1st cycle) | | Physical disturbance of salt meadows | Restoration of salt meadows | Rocky habitats | Sabellariidae Bioconstruction | Physical disturbance eelgrass beds | Subtidal and circalittoral sedimentary habitats | Abrasion deep habitats | Extraction / hydraulic shell sand dunes and slope top dunes |
|------------------------------------|--|--------------------------------------|-----------------------------|----------------|-------------------------------|------------------------------------|---|------------------------|---|
| Code | Title | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE10 | OE011 |
| M009-ATL2 | Implement management measures for certain species, in particular sea bass, subject to a recovery or management plan, considering pressure on the resource in the context of recreational fishing (on board, on foot, underwater) | ✓ | | ✓ | | | | | |
| M019-ATL1b | Promote sustainable exploitation methods for shellfish farming and recommend the generalisation of a section on marine waste in the structural plans for marine cultures | | | | | ✓ | | | |
| M025-ATL2 | Contribute to the preparation of the Documents d'Orientation et de Gestion Durable des Granulats the sea [Guidance and Sustainable Management Documents for Marine Aggregates](GSM DMA) | | | | | ✓ | | | |
| M401-ATL1b | In addition to national work, update the regional list of protected plant species | | | | ✓ | ✓ | | | |
| M403-ATL1b | Encourage the regrouping of anchorages by issuing the appropriate title (anchorage areas, etc.) and light equipment) and to encourage the use of land-use techniques that respect the environment of the environment | | | | ✓ | ✓ | | | |
| M001-NAT1b | Complete the Natura 2000 network in the open sea to meet the challenges identified for mammals (bottlenose dolphins and harbour porpoises), birds and reefs | | | | | | | ✓ | |
| M002-NAT1b | Managing Natura 2000 sites at sea: Drafting and leading objective documents | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| M003-NAT1b | Completing the network of marine protected areas by establishing strong protections for areas of remarkable marine biodiversity | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| M005-NAT1b | Target and implement the policy for the allocation and assignment of the natural public maritime domain to the Conservatory of coastal space and lake shores | | ✓ | | | | | | |
| M007-NAT1b | Update the list of nationally protected marine species and habitats | ✓ | | ✓ | ✓ | ✓ | | ✓ | |
| M008-NAT1b | Improving knowledge and developing new professional fishing practices to limit impacts on marine ecosystems | | | | | ✓ | ✓ | ✓ | |
| M014-NAT2 | Promote dredging and dumping methods that have less impact on the marine environment | | | | | | ✓ | ✓ | |
| M024-NAT1b | Promote the implementation of guidance schemes territorialised dredging operations and sediment management channels that are evolving and adapted to local needs | | | | | | ✓ | ✓ | |
| M029-NAT2 | Improving the consideration of cumulative effects human activities in the marine sub-region, including projects, plans and programmes subject to environmental assessment | | | | | | ✓ | | |
| M213-NAT1a | Additional management measures for fishing activity adopted by orders | | | | | ✓ | ✓ | | |
| M216-NAT1a | Regulatory Framework for Recreational Fishing | | | ✓ | | ✓ | | | |
| M217-NAT1a | Charter of commitments and objectives for eco-responsible recreational maritime fishing | ✓ | | ✓ | | | | | |
| M218-NAT1b | Main points of reform of the Common Fisheries Policy (CFP) | | | | | ✓ | ✓ | | |
| M219-NAT1a | National strategy for integrated coastline management Regulatory | | | | | | ✓ | | |
| M220-NAT1a | framework to limit impacts of a development project during the design and construction phase | | | | | | ✓ | | |

| Existing APME measures (1«cycle) | | | | | | | | | |
|---|---|------|------|------|------|------|------|------|------|
| Code | Heading | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE10 | OE11 |
| M221-NAT1a | Regulatory framework for fishing gear to limit pressures on marine ecosystems | | | | | | ✓ | | |
| M222-NAT1a | Regulatory framework for aquaculture concessions | | | | | | ✓ | | |
| M223-NAT1a | Regulatory framework to limit the impact dredging operations and sediment management | | | | | | ✓ | | |
| M224-NAT1a | National strategy for the management of terrestrial and marine aggregates and quarry materials and substances | | | | | | ✓ | | |
| M225-NAT1a | Regulatory framework for extraction applications | | | | | | ✓ | | ✓ |
| M226-NAT1a | Suspension of extraction in sensitive habitats: Case of maerl [lime-producing red seaweeds principally of the genus Lithothiamnion used especially in France to reduce soil acidity] [lime-producing red seaweeds principally of the genus Lithothiamnion used especially in France to reduce soil acidity] | | | | | | ✓ | | |
| M227-NAT1a | Regulatory framework for mooring management | | | | | ✓ | | | |
| M259-NAT1a | Regulatory framework for the environmental assessment of plans, programmes and works and the consideration of cumulative effects | | | | | | ✓ | | |
| M304-MMN1b | Develop and implement regional marine aquaculture development plans (SRDAM) | | | | ✓ | | | | |
| M305-MMN1a | Departmental dredging plans for the supervision and management of these operations | | | | ✓ | | | | |
| M306-MMN1a | Controls on professional and recreational fishing activities in the marine sub-region | | | ✓ | | | | | |
| M307-MMN2 | Supporting local projects to create foot fishing fallows on the coast of the marine sub-region | | | ✓ | | | | | |
| M308-MMN2 | Set up an observatory of recreational angling activities in the marine sub-region Continuation of the angling observatory | ✓ | | ✓ | ✓ | ✓ | | | |
| M310-MMN1b | Regulatory framework for public events on the public maritime domain | ✓ | | | | | | | |
| M311-MMN2 | Reducing the impact of public events on the public maritime domain by improving the management of visitor numbers on the foreshore | ✓ | | | | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code | Heading | | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ |
| Mco-NAT-017 | Use the analysis of the risks of undermining the conservation objectives of the habitats of Natura 2000 sites by professional maritime fishing | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Mco-NAT-018 | Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Mco-NAT-019 | Strengthening the protection of marine habitats in Natura 2000 sites in the framework of the Life Marha project | | | ✓ | ✓ | ✓ | ✓ | | |
| Mco-NAT-031 | Implement the land acquisition policy of the Conservatoire de l'espace littoral et des rivages lacustres [Conservatory of coastal space and lake shores] | | ✓ | | | | | | |
| Mco-NAT-034 | Encourage the creation of anchorage and light equipment zones (MLEA) | | | | | ✓ | | | |
| Mco-NAT-035 | Guide for the creation and management of anchorage and light equipment areas (MLEA) | | | | | ✓ | | | |
| Mco-MMN-001 | Regulating the practice of collecting saltwort by prefectural decrees (quantities, period, rotational fallow, authorised tools) | ✓ | | | | | | | |
| Mco-MMN-002 | Establishment of temporary occupation authorisations allowing the grazing of salt meadows by autonomous sectors on the basis of a management plan | ✓ | | | | | | | |
| Mco-MMN-003 | Restoration of the Lillebonne dock in the Seine estuary (project completed) | ✓ | | | | | | | |
| Mco-MMN-004 | Continue the project to reconnect the Saane to the sea | | ✓ | | | | | | |

Existing measures of the 1st cycle of the Marine Action Plan (MAP) or other public policies contributing to the achievement of the objectives

Existing measures under other public policies

| Code Title | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE10 | OE11 |
|---|------|------|------|------|------|------|------|------|
| Implement a strong protection measure Mco-MMN-005 for the Champeaux herméla reef (measure resulting from the adaptation of the action plan of the objective document) (M002) | | | | ✓ | | | | |
| Creation of a light mooring area and equipment Mco-MMN-006 on Chausey avoiding the eelgrass beds (M403) | | | | | ✓ | | | |
| Mco-MMN-007 Renewing the agreement on the allocation of the DPM of the Chausey archipelago to the Conservatoire du littoral (M005) | | | | | ✓ | ✓ | | |
| Implement fishing restrictions Mco-MMN-009 for trolling in the 3-mile strip (Bay SCA) de Seine Occidentale) (M002) subject to the publication of the ad hoc circular | | | | | | ✓ | | |
| Use of data from the current departmental MSEco-MMN-012 plans and the next regional career development plan | | | | | | | ✓ | ✓ |
| Implementation of article 85 of the blue economy law: "From 1st January 2025, the discharge into the sea of polluted sediments and dredging residues is prohibited. A treatment process for sediments and residues and recovery of associated macro-waste is being implemented. The thresholds above which sediments and residues may not be immersed are defined by regulation. " | | | | | | | ✓ | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | | ✓ | ✓ | ✓ | ✓ | | |
| Are the existing measures sufficient to achieve the objectives? | | | | | | | | |
| | NO | NO | NO | NO | YES | NO | NO | YES |
| <u>New action:</u> • D01-HB-OE01-AN1 => Formulate management recommendations for activities taking place on salt meadows based on a dedicated observatory | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |
| <u>New action:</u> • D01-HB-OE03-AN1 => Create an observatory of the type of use of the foreshore | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |
| <u>New actions:</u> • D01-HB-OE06-AN1 => Strengthen the consideration of benthic habitats in offshore authorisations • D01-HB-OE06-AN2 => Re-examine the framework for issuing exceptional trawl fishing authorisations and dredge fishing authorisations in the 3-mile band • D01-HB-OE06-AN3 => Share better knowledge of the impacts of operations to reduce the vulnerability of coastal areas | | | | | | | | |
| <u>New action:</u> • D01-HB-OE10-AN3 => Assess the level of interaction of activities with specific geomorphological structures at stake and adapt regulations if necessary | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |

| Sufficiency of existing measures | | Marine mammal watching activities | By-catch of marine turtles and marine mammals | sea turtle and marine mammal collisions | | | | |
|--|---|---|---|---|--|--|--|--|
| D1-MT | | | | | | | | |
| Marine mammals and sea turtles | | | | | | | | |
| Existing APME measures (1 st cycle) | | OE01 | OE02 | OE03 | | | | |
| Code | Title | | | | | | | |
| NAT1b | Complete the Natura 2000 network in the open sea to meet M001- the challenges identified for mammals (bottlenose dolphins and harbour porpoises), birds and reefs | ✓ | ✓ | ✓ | | | | |
| M002-NAT1b | Managing Natura 2000 sites at sea: Drafting and leading objective documents | ✓ | ✓ | ✓ | | | | |
| M003-NAT1b | Completing the network of marine protected areas through the implementation of strong protections on sectors of remarkable marine biodiversity | ✓ | | | | | | |
| M008-NAT1b | Improve knowledge and develop new professional fishing practices to limit impacts on marine ecosystems | | ✓ | | | | | |
| M220-NAT1a | Regulatory framework to limit the impacts of a development in the design and construction phases | | | ✓ | | | | |
| M215-NAT1a | Environmental certification of fishery products - label and other signs of value | | ✓ | | | | | |
| M311-MMN2 | Reducing the impact of public events on the public maritime domain by improving the management of visitor numbers on the foreshore | ✓ | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code | Title | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | | | | | |
| Mco-NAT-003 | Mandatory reporting of incidental catches of marine mammals and use of these data for scientific knowledge | | ✓ | | | | | |
| Mco-MMN-019 | Improve knowledge of the ecology of grey seals and seal calves | ✓ | | | | | | |
| Mco-MMN-023 | Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | ✓ | | ✓ | | | | |
| Mco-MMN-025 | Management measures in the Orne Estuary: quiet zone | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | |
| | | NO | NO | NO | | | | |
| New action: • D01-MT-OE01-AN1 => Strengthen the supervision and regulation of outdoor sports and leisure activities affecting marine mammals and of commercial marine mammal watching activities | | | | | | | | |
| New action: • D01-MT-OE02-AN1 => Reduce the impact of by-catches of marine turtles by training fishermen and maintaining a suitable network of care centres | | | | | | | | |
| New action: • D01-MT-OE03-AN1 => Identify and reduce the risks of collision between maritime transport and marine mammals on the Atlantic coast | | | | | | | | |

Sufficiency of existing measures

D1-OM

Seabirds

| | | Incidental catches of seabirds | Collisions between seabirds and offshore infrastructure | Loss of functional habitats for sea birds | Pressure on seabird breeding sites | Functional habitats of seabirds in coastal wetlands | Disturbance of seabirds in their functional habitat areas | Removal from the public maritime domain of identified species (AEWA) | |
|--|---|--------------------------------|---|---|------------------------------------|---|---|--|--|
| Existing APME measures (1 st cycle) | | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE07 | |
| Code | Title | | | | | | | | |
| | Complete the Natura 2000 network in the open sea to meet M001-NAT1b the challenges identified for mammals (bottlenose dolphins and harbour porpoises), birds and reefs | ✓ | | | | | | | |
| | M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Completing the network of marine protected areas through the implementation of strong protections on sectors of remarkable marine biodiversity | ✓ | | | | | ✓ | | |
| | Target and implement the policy of allocating M005-NAT1b and the natural public maritime domain to Conservatory of coastal space and lake shores | | | | | ✓ | | | |
| | M007-NAT1b Update the list of nationally protected marine species and habitats | | | | | | | ✓ | |
| | Improve knowledge and develop new M008-NAT1b professional fishing practices to limit impacts on marine ecosystems | ✓ | | | | | | | |
| | Improving the consideration of cumulative effects M029-NAT2 of human activities at the sub-regional level including projects, plans, programmes, etc subject to environmental assessment | | | ✓ | | ✓ | | | |
| | M207-NAT1a Lists of species protected by decree | | | | | | | ✓ | |
| | M215-NAT1a Environmental certification of fishery products - label and other signs of value | ✓ | | | | | | | |
| | Regulatory framework to limit the impacts of a development project M220-NAT1a when designing and construction phases | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| | M221-NAT1a Regulatory framework for fishing gear to limit pressures on marine ecosystems | ✓ | | | | | | | |
| | Regulatory framework for evaluation M259-NAT1a plans, programmes and works and to take account of cumulative effects | | ✓ | ✓ | | ✓ | | | |
| | M264-NAT1a Regulatory framework for by-catch reduction | ✓ | | | | | | | |
| | M310-MMN1b Regulatory framework for public events on the public maritime domain | | | | | | ✓ | | |
| | Reducing the impact of public events M311-MMN2 on the public maritime domain by improving the management of visitor numbers on the foreshore | | | | | | ✓ | | |
| Existing measures under other public policies | | | | | | | | | |
| Code | Heading | | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | | ✓ | ✓ | | ✓ | ✓ | | |
| Mco-NAT-005 | National Action Plan for the Balearic Shearwater | ✓ | | ✓ | | ✓ | | | |
| Mco-NAT-006 | Establishment of a framework to assess and reduce the impact of lighting from offshore installations on seabirds (in the OSPAR area) | | | | | | ✓ | | |
| Mco-NAT-017 | Use the analysis of the risks of undermining the conservation objectives of the habitats of Natura 2000 sites by professional maritime fishing | ✓ | | | | | | | |
| Mco-NAT-018 | Strengthen the protection of sensitive marine habitats by prohibiting the destruction, alteration or degradation of natural marine habitats or the habitats of marine species through prefectural orders for the protection of natural habitats | | | ✓ | ✓ | ✓ | | | |
| | | | | | | | | | |

Existing measures under other public policies

| Code Title | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE07 | |
|--|------|------|------|------|------|------|------|--|
| Mco-NAT-019 Strengthening the protection of marine habitats in Natura 2000 sites in the framework of the Life Marha project | | | ✓ | ✓ | ✓ | | | |
| Mco-NAT-031 Implement the land acquisition policy of the Conservatoire de l'espace littoral et des rivages lacustres [Conservatory of coastal space and lake shores] | | | | | ✓ | | | |
| Mco-MMN-007 Renewing the agreement on the allocation of the DPM of the Chausey archipelago to the Conservatoire du littoral (M005) | | | ✓ | ✓ | ✓ | ✓ | | |
| Setting up the Natura 2000 contract for the implementation of a deratting programme on the archipelago Mco-MMN-010 of Chausey (M002) | | | | ✓ | | | | |
| Mco-MMN-011 Prefectural biotope protection orders for the Bessin cliffs and the Saint Marcouf islands | | | | | ✓ | ✓ | | |
| Establishment of a marine quiescence zone at the cliffs black-legged kittiwake colony Mco-MMN-012 at Bessin | | | | | | ✓ | | |
| Mco-MMN-020 Improving knowledge of seabird ecology in the open sea | ✓ | | ✓ | | | ✓ | | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | | | | ✓ | ✓ | | |
| Are the existing measures sufficient to achieve the objectives? | | | | | | | | |
| | NO | NO | NO | NO | NO | NO | NO | |
| New action: • D01-OM-OE01-AN1 => Identify and reduce the risks of accidental capture for each species of Community interest | | | | | | | | |
| New action: • D01-OM-OE02-AN1 => Prefigure a national coordination body for the coastline scientific councils (CSC) relating to offshore wind energy | | | | | | | | |
| New action: • D01-OM-OE03-AN1 => Develop and implement tools appropriate management and protection measures for seabird species with high stakes in the marine sub-region | | | | | | | | |
| New action: • D01-OM-OE04-AN1 => Monitoring and control actions against introduced and domesticated species on seabird breeding sites | | | | | | | | |
| New action: • D01-OM-OE05-AN1 => Identify, maintain and restore mid-littoral and functional seabird habitats that are degraded and/or exposed to coastal habitat compression | | | | | | | | |
| New actions: • D01-OM-OE06-AN1 => Take greater account of the sensitivity of species (seabirds, marine mammals and turtles) to disturbance in authorisations at sea and in local regulations • D01-OM-OE06-AN2 => Structuring the practice of coastal and marine sports and leisure activities (information, awareness-raising and regulation) on issues of species and environmental sensitivity | | | | | | | | |
| New action: No | | | | | | | | |

Sufficiency of existing measures

D1-PC

Fish and cephalopods

| | Elasmobranch bycatch | Restoration of elasmobranch populations | Removals and incidental catches of amphihaline species | Pressures on IFAs | | | | |
|---|----------------------|---|--|-------------------|--|--|--|--|
| Existing APME measures (1st cycle) | OE01 | OE02 | OE03 | OE05 | | | | |
| Implement management measures for certain species, in particular sea bass, which are subject to a plan | | | ✓ | | | | | |
| M009-ATL2 of reconstitution or management considering pressure on the resource in the context of recreational fishing (on board, on foot, underwater) | | | ✓ | | | | | |
| M402-ATL2 Improving the territorial consistency of the regulation of recreational fishing practices | | | ✓ | | | | | |
| M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents | | | ✓ | | | | | |
| Identify important fisheries functional areas M004-NAT1b and their sensitivity to anthropogenic activities | | | ✓ | ✓ | | | | |
| M007-NAT1b Update the list of nationally protected marine species and habitats | | | | ✓ | | | | |
| Improve knowledge and develop new M008-NAT1b professional fishing practices to limit impacts on marine ecosystems M203-NAT1b | ✓ | ✓ | ✓ | | | | | |
| National Eel Management Plan | ✓ | | | | | | | |
| M204-NAT1a National action plan for the European sturgeon | ✓ | | | | | | | |
| M206-NAT1a IUCN and OSPAR Red Lists M207-NAT1a Lists of species protected by decree | | | ✓ | | | | | |
| M216-NAT1a Regulatory Framework for Recreational Fishing | | | ✓ | | | | | |
| M217-NAT1a Charter of commitments and objectives for eco-responsible recreational maritime fishing | | | ✓ | | | | | |
| M264-NAT1a Regulatory framework for by-catch reduction | ✓ | | | | | | | |
| M005_KTM1b Improve longitudinal continuity (e.g., provide fish ladders, remove old dams) | | | | ✓ | | | | |
| M007-KTM1b Improvement of flow regimes and/or establishment of ecological flows | | | | ✓ | | | | |
| National Strategy for the Management of Amphihaline Migratory Fish M301-MMN1b for the Sustainable Management of Stocks - PLAGEPOMI | | | ✓ | | | | | |
| M306-MMN1a Controls on professional and recreational fishing activities in the marine sub-region | | | ✓ | | | | | |
| Set up an observatory of recreational M308-MMN2 fishing activities in the marine sub-region | | | ✓ | | | | | |
| Continuation of the Observatory on Walking Fishing | | | | | | | | |
| M309-MMN2 Establish a comprehensive land-sea management of amphihaline fisheries | | | ✓ | ✓ | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | | | | ✓ | | | | |
| Mco-NAT-021 Development of a national management plan for Atlantic salmon | | | ✓ | | | | | |
| Mco-NAT-022 Definition of the regulatory framework for the establishment of Fisheries Conservation Areas (FCAs) | | | | ✓ | | | | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | | | ✓ | | | | |
| | | | | ✓ | | | | |

| | OE01 | OE02 | OE03 | OE05 | | | | |
|--|------|------|------|------|--|--|--|--|
| Are the existing measures sufficient to achieve the objectives? | | | | | | | | |
| | NO | NO | NO | NO | | | | |
| <p>New action:</p> <ul style="list-style-type: none"> D01-PC-OE01-AN1 => Review the regulations on elasmobranch catches and, on this basis, identify the actions to be implemented at national and local level | | | | | | | | |
| <p>New action:</p> <ul style="list-style-type: none"> D01-PC-OE02-AN1 => Develop and implement a multi-species National Action Plan (NAP) for elasmobranchii | | | | | | | | |
| <p>New actions:</p> <ul style="list-style-type: none"> D01-PC-OE3-AN1 => Develop and implement a national amphihaline migratory plan for optimised management of migratory fish throughout the land-sea continuum D01-PC-OE3-AN2 => Avoid or reduce the risks of damage to the population dynamics of amphihaline species linked to catches in areas of concern for amphihalins, in addition to existing management plans | | | | | | | | |
| <p>New action:</p> <ul style="list-style-type: none"> D01-PC-OE5-AN1 => Strengthen the protection of Important Fishery Functional Areas (IFAs), in particular by setting up pilot fishery conservation areas (FCAs) on each coast | | | | | | | | |

| Sufficiency of existing measures | | Introduction of NIS linked to the import of fauna and flora | Transfer of NIS from high impact areas | Risks of introduction and spread of NIS related to ships' ballast water and sediments | Dissemination of NIS during the introduction and transfer of aquaculture species | | | | |
|--|--|---|--|---|--|--|--|--|--|
| D2 | | OE01 | OE02 | OE03 | OE04 | | | | |
| Non-indigenous species (NIS) | | | | | | | | | |
| Existing APME measures (1 st cycle) | | | | | | | | | |
| | Contribute to monitoring and alerting on Non-indigenous species (NIS) in the framework of the European regulation on invasive alien species and to improve regulations | ✓ | ✓ | ✓ | ✓ | | | | |
| non | Promote good fishing practices to M011-NAT2 limit the spread of invasive natives | | ✓ | | ✓ | | | | |
| | Implement a management control procedure M012-NAT1b for ballast water by ships, in compliance with the provisions of the international convention on ballast water | | | ✓ | | | | | |
| | Regulatory framework for Non-indigenous species introductions M208-NAT1a and ecosystem preservation for governance bodies | ✓ | ✓ | ✓ | ✓ | | | | |
| | M209-NAT1a Invasive Alien Species (IAS) control plans and promotion of their implementation at scale national | ✓ | ✓ | ✓ | ✓ | | | | |
| | M210-NAT1b Exploitation of invasive Non-indigenous species to limit their spread | | ✓ | | | | | | |
| | M211-NAT1a Regulatory framework for the transfer of non-indigenous species for aquaculture activities | | | | ✓ | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code Title | | | | | | | | | |
| | Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | | ✓ | | | | |
| | Mco-NAT-016 Encourage the delimitation of ballast water exchange zones | | | ✓ | | | | | |
| | Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | ✓ | | | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | | |
| | | NO | NO | YES | NO | | | | |
| New action: | | | | | | | | | |
| • D02-AN1 => Improve management of Non-indigenous marine species | | | | | | | | | |
| New action: No | | | | | | | | | |
| New action: No | | | | | | | | | |
| New action: No | | | | | | | | | |

| Sufficiency of existing measures | | Fishing mortality / CFP stocks | Fishing mortality / locally managed stocks | Recreational fisheries removals | | | | | |
|--|--|---|--|---------------------------------|--|--|--|--|--|
| D3 | | | | | | | | | |
| Commercial species | | | | | | | | | |
| Existing APME measures (1 st cycle) | | OE01 | OE02 | OE03 | | | | | |
| Implement management measures for certain species, in particular sea bass, which are subject to a plan | | | ✓ | ✓ | | | | | |
| M009-ATL2 of reconstitution or management considering pressure on the resource in the context of recreational fishing (on board, on foot, underwater) | | | | | | | | | |
| M402-ATL2 Improving the territorial consistency of the regulation of recreational fishing practices | | | ✓ | ✓ | | | | | |
| M002-NAT1b Managing Natura 2000 sites at sea: Drafting and leading objective documents | | | | ✓ | | | | | |
| Identify important fisheries functional areas M004-NAT1b and their sensitivity to anthropogenic activities | | ✓ | | | | | | | |
| Improve knowledge and develop new M008-NAT1b professional fishing practices to limit impacts on marine ecosystems | | ✓ | ✓ | | | | | | |
| M212-NAT1a Regulatory framework for multi-annual plans under the Common Fisheries Policy (CFP) | | ✓ | ✓ | | | | | | |
| M213-NAT1a Complementary management measures for fishing activity adopted by orders | | | ✓ | | | | | | |
| M215-NAT1a Environmental certification of fishery products - labels and other signs of value | | | | ✓ | | | | | |
| M216-NAT1a Regulatory framework for recreational fishing M217-NAT1a Charter of commitment and objectives for a sustainable fishery eco-responsible maritime leisure | | | ✓ | ✓ | | | | | |
| M218-NAT1b Main reform issues of the Common Fisheries Policy (CFP) | | ✓ | ✓ | | | | | | |
| M306-MMN1a Controls on professional and recreational fishing activities in the marine sub-region | | | ✓ | ✓ | | | | | |
| M307-MMN2 Supporting local projects for the creation of foot fishing fallow land on the coast of the marine sub-region | | | ✓ | ✓ | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Set up an observatory of recreational M308-MMN2 fishing activities in the marine sub-region | | | ✓ | | | | | | |
| Continuation of the Observatory on Walking Fishing | | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code Title | | | | | | | | | |
| Mco-MMN-022 Extend regulatory protection (APPB, RN, etc.) and finalise the DOCOBs of Natura 2000 sites | | | ✓ | | | | | | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | | ✓ | ✓ | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | | |
| | | YES | NO | NO | | | | | |
| New action: No | | | | | | | | | |
| New action: | | | | | | | | | |
| • D03-OE02-AN1 => Identify priority stocks of local importance that are not under Community management for which management could be established or improved, according to their conservation status and socio-economic importance, and Draft the corresponding management plans | | | | | | | | | |
| New action: | | | | | | | | | |
| • D03-OE02-AN1 => Harmonise and strengthen the regulations on recreational fishing and make anglers aware of their implementation | | | | | | | | | |

Existing measures of the 1st cycle of the Marine Action Plan (MAP) or other public policies contributing to the achievement of the objectives

| | | Damage to sensitive links in the food chain | Fishing mortality of forage species | | | | | | |
|--|--|---|-------------------------------------|--|--|--|--|--|--|
| Existing APME measures (1 st cycle) | | OE01 | OE02 | | | | | | |
| M002-NAT1b | Managing Natura 2000 sites at sea: Drafting and leading objective documents | | | | | | | | |
| | Completing the network of marine protected areas | ✓ | ✓ | | | | | | |
| M003-NAT1b | through the implementation of strong protections on sectors of remarkable marine biodiversity | | | | | | | | |
| | Identify important fisheries functional areas M004- | ✓ | ✓ | | | | | | |
| NAT1b | and their sensitivity to anthropogenic activities | ✓ | ✓ | | | | | | |
| M007-NAT1b | Update the list of nationally protected marine species and habitats | ✓ | | | | | | | |
| | Improve knowledge and develop new M008-NAT1b professional fishing practices to limit impacts on marine ecosystems | ✓ | ✓ | | | | | | |
| M014-NAT2 | Promote dredging and dumping methods that have less impact on the marine environment | ✓ | | | | | | | |
| | Improving the consideration of cumulative effects M029-NAT2 of human activities at the sub-regional level including projects, plans, programmes, etc subject to environmental assessment | ✓ | | | | | | | |
| M212-NAT1a | Regulatory framework for multi-annual plans under the Common Fisheries Policy (CFP) | ✓ | ✓ | | | | | | |
| M213-NAT1a | Complementary management measures for fishing activity adopted by orders | | ✓ | | | | | | |
| M216-NAT1a | Regulatory framework for recreational fishing M217-NAT1a Charter of commitment and objectives for a sustainable fishery | | ✓ | | | | | | |
| | eco-responsible maritime leisure | | ✓ | | | | | | |
| M218-NAT1b | Main reform issues of the Common Fisheries Policy (CFP) | ✓ | ✓ | | | | | | |
| | Regulatory framework to limit the impacts of a development project M220-NAT1a in the design and construction phases | ✓ | | | | | | | |
| M221-NAT1a | Regulatory framework for fishing gear to limit pressures on marine ecosystems | ✓ | ✓ | | | | | | |
| M223-NAT1a | Regulatory framework to limit impact dredging operations and sediment management | ✓ | | | | | | | |
| M225-NAT1a | Regulatory framework for extraction applications | | | | | | | | |
| | Regulatory framework for evaluation | ✓ | | | | | | | |
| M259-NAT1a | plans, programmes and works and to take account of cumulative effects | | | | | | | | |
| M306-MMN1a | Controls on professional and recreational fishing activities in the marine sub-region | ✓ | ✓ | | | | | | |
| | Reducing the impact of public events | ✓ | | | | | | | |
| M311-MMN2 | on the public maritime domain by improving the management of visitor numbers on the foreshore | | | | | | | | |
| Existing measures under other public policies | | | | | | | | | |
| Code Title | | | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | | | | | | |
| | Use the analysis of the risks to the conservation objectives of the habitats of Natura | | ✓ | | | | | | |
| | 2000 by professional maritime fishing | | | | | | | | |

| Code Title | | OE01 | OE02 | | | | | |
|--|--|---|------|--|--|--|--|--|
| Mco-NAT-018 or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration | ✓ | | | | | | |
| | Implement fishing restrictions Mco-MMN-009 for trolling in the 3-mile strip (Bay SCA) | ✓ | ✓ | | | | | |
| | de Seine Occidentale) (M002) subject to the publication of the ad hoc circular | ✓ | | | | | | |
| Mco-MMN-023 Monitoring of actions: moorings, observatory for marine mammals, RNN management plans | | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | |
| | | NO | NO | | | | | |
| <u>New action:</u> • D04-AN1 => Contribute to a better management of the harvest of forage species at European level <u>New action:</u> No | | | | | | | | |

Existing measures of the 1st cycle of the Marine Action Plan (MAP) or other public policies contributing to the achievement of the objectives

Eutrophication

Action plan | 51

Sufficiency of existing measures

D6

Integrity of the seabed

artificialization of the coastal area

Physical losses generic & specific habitats / marine works and activities

Existing APME measures (1st cycle)

| Code | Title | OE01 | OE02 | | | | | | |
|------------|--|------|------|--|--|--|--|--|--|
| M019-ATL1b | Promote sustainable methods of exploitation of the environment for shellfish farming and advocate the generalisation of a section on marine waste in the structural plans for marine cultures | | ✓ | | | | | | |
| M025-ATL2 | Contribute to the preparation of the Documents d'Orientation et de Gestion Durable des Granulats the sea [Guidance and Sustainable Management Documents for Marine Aggregates](GSMDMA) | | ✓ | | | | | | |
| M403-ATL1b | Encourage the regrouping of anchorages by issuing the appropriate title (anchorage areas, etc.) and light equipment) and to encourage the use of land-use techniques that respect of the environment | | ✓ | | | | | | |
| M002-NAT1b | Managing Natura 2000 sites at sea: Drafting and leading objective documents | ✓ | | | | | | | |
| M003-NAT1b | Completing the network of marine protected areas by establishing strong protections for areas of remarkable marine biodiversity | ✓ | ✓ | | | | | | |
| M005-NAT1b | Target and implement the policy for the allocation and assignment of the natural public maritime domain to the Conservatory of coastal space and lake shores | ✓ | | | | | | | |
| M008-NAT1b | Improve knowledge and develop new professional fishing practices to limit impacts on marine ecosystems | | ✓ | | | | | | |
| M014-NAT2 | Promote dredging and dumping methods that have less impact on the marine environment | | ✓ | | | | | | |
| M022-NAT2 | Publish a national implementation guide for the chapters individualised SCOTs valid as sea development schemes | ✓ | | | | | | | |
| M024-NAT1b | Encourage the implementation of territorial guidance schemes for dredging operations and sediment management channels that are evolving and adapted to local needs | | ✓ | | | | | | |
| M029-NAT2 | improving the consideration of cumulative effects of human activities in the marine sub-region, including projects, plans and programmes subject to environmental assessment | ✓ | ✓ | | | | | | |
| M213-NAT1a | Additional management measures for fishing activity adopted by orders | | ✓ | | | | | | |
| M218-NAT1b | Main points of reform of the Common Fisheries Policy (CFP) | ✓ | ✓ | | | | | | |
| M219-NAT1a | National strategy for integrated coastline management Regulatory framework to limit impacts | | ✓ | | | | | | |
| M220-NAT1a | of a development project during the design and construction phase | | ✓ | | | | | | |
| M221-NAT1a | Regulatory framework for fishing gear to limit pressures on marine ecosystems | | ✓ | | | | | | |
| M222-NAT1a | Regulatory framework for aquaculture concessions, Regulatory framework to limit impact | | ✓ | | | | | | |
| M223-NAT1a | of dredging operations and sediment management | | ✓ | | | | | | |
| M224-NAT1a | National Aggregates Management Strategy land and marine and quarry materials and substances | | ✓ | | | | | | |
| M225-NAT1a | Regulatory framework for extraction applications | | ✓ | | | | | | |
| M226-NAT1a | Suspension of extraction in sensitive habitats: Case of coastal deposits of fine gravel and algal waste | | ✓ | | | | | | |

| Existing APME measures (1 st cycle) | | | | | | | | |
|---|--|---|------|--|--|--|--|--|
| Code | Title | OE01 | OE02 | | | | | |
| M227-NAT1a | Regulatory framework for mooring management | | ✓ | | | | | |
| M259-NAT1a | Regulatory framework for evaluation plans, programmes and works and to take account of cumulative effects | | ✓ | | | | | |
| M304-MMN1b | Develop and implement regional marine aquaculture development plans (SRDAM) | | ✓ | | | | | |
| M305-MMN1a | Departmental dredging plans for the supervision and management of these operations | | ✓ | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code | Title | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | ✓ | | | | | |
| Mco-NAT-018 | Strengthen the protection of sensitive marine habitats by prohibiting the destruction, alteration or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | ✓ | | | | | |
| Mco-NAT-019 | Strengthening the protection of marine habitats in Natura 2000 sites in the framework of the Life Marha project | | ✓ | | | | | |
| Mco-NAT-031 | Implement the land acquisition policy of the Conservatoire de l'espace littoral et des rivages lacustres [Conservatory of coastal space and lake shores] | | ✓ | | | | | |
| Mco-NAT-032 | Strengthening the resilience of coastal areas through nature-based solutions | ✓ | | | | | | |
| Mco-NAT-033 | Supporting beach management and maintenance through the development of a legal guide | | ✓ | | | | | |
| Mco-NAT-034 | Promote the creation of mooring areas and light equipment (MLEA) | | ✓ | | | | | |
| Mco-NAT-035 | Guide for the creation and management of anchorage and light equipment areas (MLEA) | | ✓ | | | | | |
| Mco-NAT-037 | Changing practices by analysing pressures on habitats (action C4) in the framework of the MARHA project | | ✓ | | | | | |
| Mco-NAT-038 | Strengthening the involvement of business sectors (action C5) in the framework of MARHA | ✓ | ✓ | | | | | |
| Mco-MMN-006 | Creation of a light mooring area and equipment Mco-MMN-006 on Chaussey avoiding the eelgrass beds (M403) | | ✓ | | | | | |
| MSEco-MMN-012 | Use of data from the current departmental MSEco-MMN-012 plans and the next regional career development plan | | ✓ | | | | | |
| MSEco-MMN-019 | Implementation of article 85 of the blue economy law: "From 1 st January 2025, the discharge into the sea of polluted sediments and dredging residues is prohibited. A treatment process for sediments and residues and recovery of associated macro-waste is being implemented. The thresholds above which sediments and residues may not be immersed are defined by regulation. " | | ✓ | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | |
| | | NO | NO | | | | | |
| New actions: <ul style="list-style-type: none"> • D06-OE01-AN1 => Develop a strategic vision of the coastline towards "zero net artificialization • D06-OE01-AN2 => Support the implementation of the ARC sequence at sea in the context of authorisations for projects leading to the artificialization of the marine environment | | | | | | | | |
| New action: No action | | | | | | | | |

Sufficiency of existing measures

D7

Hydrographic conditions

| Existing APME measures (1st cycle) | | Significant residual impacts of turbidity | Anthropogenic change hydrographic conditions | Sea-land connectivity in estuaries and coastal lagoons | Volume of freshwater / coastal area | | | | |
|------------------------------------|--|---|--|--|-------------------------------------|--|--|--|--|
| Code | Title | OE01 | OE02 | OE03 | OE04 | | | | |
| M002-NAT1b | Managing Natura 2000 sites at sea: Drafting and leading objective documents | ✓ | | | | | | | |
| M003-NAT1b | Completing the network of marine protected areas by establishing strong protections for areas of remarkable marine biodiversity | | | ✓ | | | | | |
| M014-NAT2 | Promoting dredging and dumping methods which are less impacting on the marine environment | ✓ | ✓ | | | | | | |
| M029-NAT2 | Improving the consideration of cumulative effects of human activities in the marine sub-region, including projects, plans and programmes subject to environmental assessment | ✓ | ✓ | | | | | | |
| M203-NAT1b | National Eel Management Plan | | | ✓ | | | | | |
| M204-NAT1a | National Action Plan for the European Sturgeon | | | ✓ | | | | | |
| M205-NAT1a | Regulatory framework for marine nature parks to address sea/land connectivity | | | ✓ | | | | | |
| M219-NAT1a | National strategy for integrated coastline management Regulatory | | ✓ | ✓ | | | | | |
| M220-NAT1a | framework to limit impacts of a development project during the design and construction phase | ✓ | ✓ | | | | | | |
| M222-NAT1a | Regulatory framework for aquaculture concessions | ✓ | ✓ | | | | | | |
| M223-NAT1a | Regulatory framework to limit the impact of dredging operations and sediment management | ✓ | ✓ | | | | | | |
| M225-NAT1a | Regulatory framework for extraction applications | ✓ | ✓ | | | | | | |
| M228-NAT1a | Regulatory framework for maintenance of flows | | | | ✓ | | | | |
| M229-NAT1a | Regulatory framework for sediment discharges from marine works and developments in aquatic environments | ✓ | | | | | | | |
| M230-NAT1a | Regulatory framework for discharges from urban, agricultural and industrial activities into the aquatic environment | ✓ | | | | | | | |
| M259-NAT1a | Regulatory framework for the environmental assessment of plans, programmes and works and the consideration of cumulative effects | ✓ | ✓ | | | | | | |
| M005_KTM1b | Improve longitudinal continuity (e.g., provide fish bypasses, remove old dams) | | | ✓ | | | | | |
| M007-KTM1b | Improvement of flow regimes and/or establishment of ecological flows | | | | ✓ | | | | |
| M009_KTM1b | Water pricing policy measures for the implementation of implementing cost recovery for water services from households | | | | ✓ | | | | |
| M010_KTM1b | Water pricing policy measures for the implementation of cost recovery of water use services from industry | | | | ✓ | | | | |
| M011_KTM1b | Water pricing policy measures for the implementation of cost recovery of water services from farmers | | | | ✓ | | | | |
| M017_KTM1b | Measures to reduce sediment from soil erosion and surface run-off | ✓ | | | ✓ | | | | |
| M023_KTM1b | Natural water retention measures | | | ✓ | | | | | |
| M301-MMN1b | National Strategy for the Management of Amphihaline Migratory Fish for the Sustainable Management of Stocks - PLAGEPOMI | | | | | | | | |

Existing APME measures (1st cycle)

| Code Title | OE01 | OE02 | OE03 | OE04 | | | | |
|--|------|------|------|------|--|--|--|--|
| M314-MMN1b Delineate administrative areas between river and maritime domains | | | √ | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | √ | √ | √ | | | | | |
| Strengthen the protection of sensitive marine habitats by prohibiting destruction and alteration | √ | √ | √ | | | | | |
| Mco-NAT-018 or degradation of natural marine habitats or habitats of marine species by prefectural orders for the protection of natural habitats | | | √ | √ | | | | |
| Mco-NAT-021 Development of a national management plan for Atlantic salmon | | | | | | | | |
| Mco-NAT-022 Definition of the regulatory framework for the establishment of Fisheries Conservation Areas (FCAs) | √ | | | | | | | |
| Mco-MMN-004 Continue the project to reconnect the Saane to the sea Mco-MMN-023 | | | √ | | | | | |
| Monitor actions: moorings, observatory | | | √ | | | | | |
| for marine mammals, RNN management plans | | | √ | | | | | |
| Use of data from the current departmental MSEco-MMN-012 | | | | | | | | |
| plans and the next | | | | | | | | |
| regional career development plan | | | | | | | | |
| Implementation of article 85 of the blue economy law: | √ | | | | | | | |
| "From 1 st January 2025, the discharge into the sea of | √ | | | | | | | |
| polluted sediments and dredging residues is prohibited. | | | | | | | | |
| MSEco-MMN-019 A treatment process for sediments and residues and recovery of associated macro-waste is being implemented . The thresholds above which sediments and residues may not be immersed are defined by regulation. " | | | | | | | | |
| Are the existing measures sufficient to achieve the objectives? | | | | | | | | |
| | NO | NO | NO | NO | | | | |
| New action: No | | | | | | | | |
| New action: No | | | | | | | | |
| New action: | | | | | | | | |
| • D07-OE03-AN1 => Promote land-sea connectivity in estuaries and lagoons in conjunction with what is being done on ecological continuity under the SDAGE and the PLAGEPOMI, through intervention on obstacles impacting currentology and sedimentology | | | | | | | | |
| New action: | | | | | | | | |
| • D07-OE04-AN1 => Define the modalities for a better understanding of the need for freshwater supplies to the marine environment in the regulations | | | | | | | | |

Sufficiency of existing measures

D8

Contaminants

Existing APME measures (1st cycle)

| Code Title | | Contaminants / rainfall | Direct inputs to the sea of contaminants related to shipping and navigation | Discharge of liquid effluents, oil residues and hazardous substances from ships | Discharge of contaminants and dissemination of NIS during the docking of ships | Direct inputs, transfers and remobilisation of contaminants at sea and discharges, emissions, release of | Marine inputs of sediment contaminants | Discharge of land-based contaminants into the sea | Airborne inputs of contaminants |
|------------|---|-------------------------|---|---|--|--|--|---|---------------------------------|
| OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE07 | OE08 | | |
| M403-ATL1b | Encourage the regrouping of anchorages by issuing the appropriate title (anchorage areas, etc.) and light equipment) and to encourage the use of land-use techniques that respect the environment | ✓ | | | | | | | |
| M404-ATL1a | Recommendations of the guide on good docking practices - Iroise Marine Natural Park | | ✓ | | | | | | |
| M010-NAT1b | Contribute to monitoring and alerting on non-indigenous species (NIS) under the EU Invasive Alien Species Regulation and to improve regulation | | ✓ | | | | | | |
| M013-NAT2 | Perform a census of the docking areas of marinas, encourage the delimitation of these areas and the pooling of docking areas and encourage the elimination of discharges of contaminants into the sea | ✓ | ✓ | | | | ✓ | | |
| M014-NAT2 | Promote dredging and dumping methods that have less impact on the marine environment | | | | | ✓ | | | |
| M017-NAT1b | Improving waste prevention and management (ship-generated waste, macro-waste collected by fishermen) in fishing, recreational and commercial ports | ✓ | | | | | | | |
| M024-NAT1b | Encourage the implementation of territorial guidance schemes for dredging operations and sediment management channels that are evolving and adapted to local needs | | | | | ✓ | | | |
| M209-NAT1a | Invasive Alien Species (IAS) control plans and promotion of their implementation at national scale | | ✓ | | | | | | |
| M220-NAT1a | Regulatory framework to limit impacts of a development project during the design and construction phase | | | | ✓ | ✓ | ✓ | ✓ | |
| M223-NAT1a | Regulatory framework to limit the impact of dredging operations and sediment management M231-NAT1a | | | | | ✓ | | | |
| M232-NAT1a | Regulatory framework for anti-fouling paints | | ✓ | | | | | | |
| M233-NAT1a | Regulatory framework for ship docking | | ✓ | | | | | | |
| M234-NAT1a | Regulatory framework for the onshore management of sediments resulting from dredging activities | | | | | ✓ | | | |
| M235-NAT1a | Regulatory framework for accidental marine pollution | | | | | | | | |
| M236-NAT1a | Regulatory framework for port waste management | ✓ | | | | | | | ✓ |
| M237-NAT1a | MARPOL provisions to limit air pollution from ships | | | | | | | | ✓ |
| M239-NAT1a | Regulatory framework for industrial and agricultural discharges | | | | | | ✓ | ✓ | ✓ |
| M240-NAT1a | National micro-pollutant plans (micro-pollutant plan 2010-2013, national plan on drug residues in water 2010-2015, etc.) | | | | | | ✓ | | |
| M241-NAT1a | Ecophyto Plan | | | | | | | | ✓ |
| M243-NAT1a | Regulatory framework for ambient air quality | ✓ | | | | | | | |
| M244-NAT1a | Regulatory framework for shellfish water quality | | | | | | | | |
| | Ensuring compatibility of offshore authorisations with environmental targets | | | | | | | | |

| Existing APME measures (1 st cycle) | | | | | | | | | |
|--|--|------|------|------|------|------|------|------|------|
| Code | Heading | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE07 | OE08 |
| M259-NAT1a | Regulatory framework for the environmental assessment of plans, programmes and works and the consideration of cumulative effects | | | | | | ✓ | ✓ | |
| M001_KTM1b | Construction or upgrading of wastewater treatment plants | | | | | | | ✓ | |
| M003_KTM1b | Reducing pesticide pollution from agricultural sources | | | | | | | ✓ | |
| M004_KTM1b | Remediating contaminated sites (historical pollution including sediment, groundwater and soil) | | | | | | ✓ | | |
| M012_KTM1b | Advisory services to farmers | | | | | | | ✓ | |
| M015_KTM1b | Measures to phase out emissions, discharges and losses of hazardous substances or measures to phase out emissions, discharges and losses of priority substances | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| M016_KTM1b | Modernisation or improvement of industrial wastewater treatment facilities (including farms) | | | | ✓ | | | ✓ | ✓ |
| M021_KTM1b | Measures for the prevention and control of pollution from urban areas and infrastructure | ✓ | | | | | | ✓ | ✓ |
| M023_KTM1b | Natural water retention measures | ✓ | | | | | | | |
| M050_KTM1b | Limiting diffuse or point inputs of non-agricultural pesticides and/or using alternative practices | | | | | | | ✓ | ✓ |
| M302-MMN1b | Regional climate, air and energy plans (SCRAE) for the preservation of air quality | | | | | | | | ✓ |
| M305-MMN1a | Departmental dredging plans for the supervision and management of these operations | | | | | | ✓ | | |
| Existing measures under other public policies | | | | | | | | | |
| Code | Heading | | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | ✓ | ✓ | ✓ | ✓ | | |
| Mco-NAT-009 | Strengthen the prevention of littering | ✓ | | | | | | ✓ | |
| Mco-NAT-010 | Support stakeholders involved in waste prevention and recovery actions | ✓ | | | | | | ✓ | |
| Mco-MMN-014 | Measures of the Artois Picardy SDAGE for the reduction of pollution other than dangerous substances in industry | | | ✓ | | | ✓ | | ✓ |
| Mco-NAT-015 | Compliance with regulations on air pollutant discharges from ships | | | | | | | | ✓ |
| Mco-NAT-023 | Deployment of alternative fuels and recharging infrastructure, in particular liquefied natural gas (LNG), in French ports | | | | | | | | ✓ |
| Mco-NAT-024 | Deployment of shore power systems in French ports | | | | | | | | ✓ |
| Mco-NAT-027 | Improve the management of wastewater during rainy periods in urban wastewater systems, particularly in coastal municipalities and urban areas | ✓ | | | | | | ✓ | |
| Mco-NAT-028 | Micropollutant Plan 2016-2021 | ✓ | | | | | | ✓ | |
| Mco-NAT-029 | Strengthen the system of research and reduction of discharges of dangerous substances into water (RSDE) | ✓ | | | | ✓ | | ✓ | |
| Mco-NAT-030 | Encourage the development of sanitation master plans, particularly for coastal municipalities and urban areas | ✓ | | | | | | ✓ | |
| Mco-MMN-029 | Implementation of the Artois Picardy SDAGE | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Mco-MMN-028 | Implementation of the Seine Normandy SDAGE | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| MSEco-MMN-019 | Implementation of article 85 of the blue economy law: "From 1 st January 2025, the discharge into the sea of polluted sediments and dredging residues is prohibited. A sediment and residue treatment process and recovery of associated macro-waste is implemented. The thresholds above which sediments and residues may not be immersed are defined by regulation. " | | | | | | | ✓ | |
| | | | | | | | | | |

Existing measures of the 1st cycle of the Marine Action Plan (MAP) or other public policies contributing to the achievement of the objectives

| | OE01 | OE02 | OE03 | OE04 | OE05 | OE06 | OE07 | OE08 |
|--|------|------|------|------|------|------|------|------|
| Are the existing measures sufficient to achieve the objectives? | YES | YES | YES | NO | NO | NO | YES | NO |
| <u>New action:</u> No | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |
| <u>New action:</u> • D08-OE03_AN1 => Mandatory reporting in digital format of chemical discharges from chemical tankers at sea | | | | | | | | |
| <u>New action:</u> • D08-OE04-AN1 => Identify and equip marina docking areas, mooring areas and boatyards with effluent treatment systems. Raise awareness of good docking practices among managers and users | | | | | | | | |
| <u>New action:</u> • D08-OE05-AN1 => Limit/prohibit discharges from open loop scrubbers in specific areas | | | | | | | | |
| <u>New actions:</u> • D08-OE06-AN1 => Encourage and support the implementation of shared dredging operations and promote the sustainable creation of sediment recovery channels adapted to the territories • D08-OE06_AN2 => Investigate, assess and reduce sources of endocrine disruptors displaced at sea by dredged material | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |

| Sufficiency of existing measures | | Direct transfers of microbiological pollutants | | | | | | |
|--|---|---|--|--|--|--|--|--|
| D9 | | | | | | | | |
| Contaminants / Health issues | | | | | | | | |
| Existing APME measures (1 st cycle) | | | | | | | | |
| Code | Title | OE01 | | | | | | |
| M238-NAT1a | Regulatory framework for collective and non-collective sanitation | ✓ | | | | | | |
| M242-NAT1a | Regulatory framework for the safety of fishery and aquaculture products | ✓ | | | | | | |
| M243-NAT1a | Regulatory framework for shellfish water quality | ✓ | | | | | | |
| M244-NAT1a | Ensure compatibility of offshore authorisations with environmental targets | ✓ | | | | | | |
| M001_KTM1b | Construction or upgrading of wastewater treatment plants | ✓ | | | | | | |
| M012_KTM1b | Advisory services to farmers | ✓ | | | | | | |
| M016_KTM1b | Modernisation or improvement of industrial wastewater treatment facilities (including farms) | ✓ | | | | | | |
| M021_KTM1b | Measures for the prevention and control of pollution from urban areas or infrastructure | ✓ | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code | Title | | | | | | | |
| Mco-NAT-001 | Ensuring compatibility of offshore authorisations with environmental targets | ✓ | | | | | | |
| NAT-027 | Improve the management of wet weather wastewater from urban wastewater systems, including of coastal municipalities and urban areas | ✓ | | | | | | |
| NAT-028 | Micropollutant Plan 2016-2021 | ✓ | | | | | | |
| Mco-NAT-030 | Encourage the preparation of master plans for sanitation, especially for municipalities and coastal settlements | ✓ | | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | |
| | | YES | | | | | | |
| New action: No | | | | | | | | |

| | Waste at sea from land-based sources | Waste at sea from use activities and marine facilities | | | | | | |
|--|--------------------------------------|--|--|--|--|--|--|--|
| Existing APME measures (1st cycle) | OE01 | OE02 | | | | | | |
| Promote sustainable exploitation methods M019-ATL1b of the environment concerning shellfish farming and advocate the generalisation of a section on marine waste in the structural plans for marine cultures | | ✓ | | | | | | |
| M015-NAT1b Strengthen prevention and optimised waste management in a circular economy approach | | | | | | | | |
| M016-NAT1b Addressing solid waste transfer pathways from catchments to the marine environment | ✓ | ✓ | | | | | | |
| Improve waste prevention and management M017-NAT1b (ship-generated waste, macro-waste recovered by fishermen) in fishing ports, recreational and commercial vessels | ✓ | | | | | | | |
| Raise awareness among professional fishermen and encourage them to take part in marine anti-waste actions M018-NAT1b | | ✓ | | | | | | |
| Identify and promote the most relevant devices M020-NAT1b to limit the transfer of macro-waste during dredging and dumping operations for dredged sediments | | ✓ | | | | | | |
| M235-NAT1a Regulatory Framework for Port Waste Management | | ✓ | | | | | | |
| M245-NAT1a Regulatory framework for waste prevention and management | ✓ | | | | | | | |
| M246-NAT1a Regulatory framework for the prevention and management of waste from maritime activities | | ✓ | | | | | | |
| M247-NAT1a Recommendations of the guide on reasoned beach cleaning - Conservatoire du littoral | | ✓ | | | | | | |
| M248-NAT1b Support for local initiatives to collect marine waste | | ✓ | | | | | | |
| M249-NAT1a Regulatory framework for ship recycling M263-NAT1a Reporting of fallen containers M001_KTM1b Construction or retrofitting of wastewater treatment plants | ✓ | ✓ | | | | | | |
| M021_KTM1b Measures for the prevention and control of pollution from urban areas or infrastructure | ✓ | | | | | | | |
| M312-MMN1a | | ✓ | | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | | ✓ | | | | | | |
| Mco-NAT-009 Strengthening illegal dumping | ✓ | | | | | | | |
| Mco-NAT-010 Supporting stakeholders involved in waste prevention and recovery actions | ✓ | | | | | | | |
| Mco-NAT-011 Transposition and implementation of the single-use plastics and fishing gear directive | ✓ | | | | | | | |
| Mco-NAT-012 Acting on transfer routes to reduce the input of waste, especially plastic, into the sea | ✓ | | | | | | | |
| Improve the management of wet weather wastewater Mco-NAT-027 from urban wastewater systems, including coastal municipalities and urban areas | ✓ | | | | | | | |
| Mco-NAT-033 Supporting beach management and maintenance through the development of a legal guide | ✓ | ✓ | | | | | | |

| | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
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| | | | | | | | | |
| Existing measures under other public policies | | | | | | | | |

| | | | | | | | | |
|---|---|---|--|--|--|--|--|--|
| Mco-MMN-013 Continuing the inventory of coastal landfills Mco-MMN-014 | ✓ | | | | | | | |
| Measures of the SDAGE Artois Picardie to reduce the pollution other than hazardous substances in industry | ✓ | | | | | | | |
| MSEco-MMN-019 A treatment process for sediments and residues and recovery of associated macro-waste is being implemented . The thresholds above which sediments and residues may not be immersed are defined by regulation. " | | ✓ | | | | | | |

| | Are the existing measures sufficient to achieve the objectives? | | | | | | | |
|---|---|----|--|--|--|--|--|--|
| | NO | NO | | | | | | |
| <p><u>New actions:</u></p> <ul style="list-style-type: none"> • D010-OE01-AN1 => Prevent waste discharge upstream of sewerage and rainwater networks • D010-OE01-AN2 => Fight against waste in sewerage and rainwater networks • D010-OE01-AN3 => Identify priority landfills and waste accumulation areas and the different funding possibilities for their reduction • D010-OE01-AN4 => Raise awareness, inform, educate on ocean pollution by waste • D010-OE01-AN5 => Encourage the reduction, collection and recovery of waste from maritime activities and support activities towards sustainable equipment | | | | | | | | |
| <p><u>New actions:</u></p> <ul style="list-style-type: none"> • D010-OE02-AN1 => Improve waste management in ports and facilitate the collection of waste when it is caught accidentally • D010-OE02-AN2 => Continue the deployment of the European Clean Ports and Active Clean Ports biodiversity certification | | | | | | | | |

Existing measures of the 1st cycle of the Marine Action Plan (MAP) or other public policies contributing to the achievement of the objectives

| Sufficiency of existing measures | | | | | | | | |
|---|--|---|---------------------------|--|--|--|--|--|
| D11 | | Impulsive noise | Continuous man-made noise | | | | | |
| Energy introduced into the sea | | | | | | | | |
| Existing MMAP measures (1 st cycle) | | OE01 | OE02 | | | | | |
| M021_NAT2 Define recommendations to limit the impact of anthropogenic noise emissions | | | | | | | | |
| M250-NAT1a Regulatory framework for noise emissions in the marine environment | | ✓ | ✓ | | | | | |
| M251-NAT1a Regulatory framework for noise emissions in marine protected areas | | ✓ | ✓ | | | | | |
| | | ✓ | ✓ | | | | | |
| M252-NAT1b Improve knowledge, experiment, develop noise reduction systems | | ✓ | ✓ | | | | | |
| Existing measures under other public policies | | | | | | | | |
| Code Title | | | | | | | | |
| Mco-NAT-001 Ensuring compatibility of offshore authorisations with environmental targets | | ✓ | | | | | | |
| Consideration of anthropogenic underwater noise Mco-NAT-008 in international conventions protection of biodiversity | | ✓ | ✓ | | | | | |
| | | Are the existing measures sufficient to achieve the objectives? | | | | | | |
| | | NO | YES | | | | | |
| <u>New action:</u> • D011-OE01-AN1 => Collect and disseminate data on impulsive noise from industrial operations | | | | | | | | |
| <u>New action:</u> No | | | | | | | | |

3 - Maritime fisheries

Strengthening maritime fishing activities
maintaining productive marine habitats in good condition
and ensure the sustainable management of Channel and North Sea resources.

PM-3A

Make the ecological transition of fishing units by renewing equipment and the fleet, while preserving small-scale fishing

PM-Eastern Channel-North Sea coastline-01

Encourage improved selectivity of fishing gear

PM-AQUA-Eastern Channel-North Sea coastline-01

To assist fishermen and fish farmers in the preparation of grant applications

PM-3B

Promoting the marketing of seafood products

PM-AQUA-Eastern English Channel-North Sea coastline-02

Promote consumer access to fisheries resources by developing innovative marketing channels for fishing, fish farming and shellfish farming

PM-3C

Supporting quality sign approaches for seafood products that contribute to the sustainable management of resources

PM-AQUA-Eastern English Channel-North Sea coastline-03

Develop communication to promote the various labels and quality seals for seafood products

4 - Aquaculture

Strengthen the shellfish farming assets and fish farming potential of the Eastern Channel-North Sea coastline by preserving the quality of coastal waters and maintaining healthy and productive marine environments.
Ensuring the sustainable management of the Channel and North Sea resources.

AQUA-4A

Increase marine fish production by 40% by 2020 in the maritime area

AQUA-Eastern Channel-North Sea coastline-01

Promote the development of sustainable marine fish farming adapted to the strong national potential

AQUA-NAT-01

Planning future aquaculture areas on the coast

AQUA-4B

Facilitate the establishment of new aquaculture areas and activities

AQUA-NAT-02

Secure the procedures for examining applications for operating permits for aquaculture farms

AQUA-4D

Maintaining marketing capability in the face of health risk

PM-AQUA-Eastern English Channel-North Sea coastline-01

To assist fishermen and fish farmers in the preparation of grant applications
(see chapter "New socio-economic actions for marine fisheries / PM-3A")

AQUA-4E

Supporting quality sign approaches for seafood products that contribute to the sustainable management of resources

PM-AQUA-Eastern English Channel-North Sea coastline-03

Develop communication to promote the various labels and quality seals for seafood products
(see chapter "New socio-economic actions for marine fisheries / PM-3C")

AQUA-4F

Promoting the marketing of seafood products

SPP-Eastern Channel-North Sea coastline-02

Structuring and promoting maritime activities and trades

(see chapter "New socio-economic actions sites, landscapes and heritage / PPS-13A")

PM-AQUA-Eastern Channel-North Sea coastline-02

Promote consumer access to fisheries resources by developing innovative marketing channels for fishing, fish farming and shellfish farming

(see chapter "New socio-economic actions for marine fisheries / PM-3B")

5 - Marine renewable energy

Develop all the marine renewable energy (MRE) sectors and their connections in the maritime area.

MRE-5B

Coordinate the development of all MRE projects and their connections in order to promote their territorial anchoring

MRE-Eastern Channel-North Sea coastline-01

Conducting consultations on the coastline to enable the launch of calls for tender for projects that are in line with the objectives set out in the Multi-annual Energy Programme (MPE)

MRE-Eastern Channel-North Sea coastline-02

Create a scientific coastline council

MRE-Eastern Channel-North Sea coastline-03

Create a management and monitoring committee for wind projects on the coast

MRE-5C

Encourage the development of structured MRE sectors that generate employment on the scale of the coastline

MRE-Eastern Channel-North Sea coastline-04

Develop a training offer adapted to the MRE sector

PTM-Eastern Channel-North Sea coastline-04

To enhance the value of port land by developing a sustainable and concerted development approach (see chapter "New socio-economic actions for ports and maritime transport / PTM-7F")

MRE-5D

Encourage experimentation for all MRE technologies and their connection

MRE-Eastern Channel-North Sea coastline-05

Continue and encourage research for the development of offshore wind and marine renewable energies and in particular less mature technologies

MRE-Eastern Channel-North Sea coastline-06

Encourage experimentation on the coexistence of uses

MRE-Eastern Channel-North Sea coastline-07

Continue studies to assess the possibilities of pooling and optimising connections

6 - Marine Aggregate Extraction

Affirm the strategic interest of the maritime coastline as a source of materials for major regional and supra-regional infrastructure projects as well as to the building and public works sector.

Support the marine aggregates extraction sector up to the 10.5 million m³ authorised annually on the coast.

Anticipate future needs by allocating, if necessary, research permits.

GME-6A

Maintain the current authorised extraction capacities and plan for their renewal in the long term

PTM-Eastern Channel-North Sea coastline-04

To enhance the value of port land by developing a sustainable and concerted development approach
(see chapter "New Socio-Economic Actions for Ports and Maritime Transport / PTM-7F")

GME-6B

Anticipate the future needs of the coastline for marine aggregates by authorising research permits

GME-Eastern Channel-North Sea coastline-01

Improving knowledge of exploitable deposits in the Eastern Channel and North Sea

7 - Ports and maritime transport

Strengthen the strategic positioning of ports in the European range; encourage port cooperation; modernise infrastructure and equipment to diversify activities while limiting disturbance to the environment.

PTM-7C

Develop river and rail transport with a view to modal shift and standardisation of pre- and post-carriage

PTM-Eastern Channel-North Sea coastline-01

Construct the port of Le Havre's chatière subject to the delivery of the authorisations provided for by the regulations and in compliance with the activities

PTM-Eastern Channel-North Sea coastline-02

Strengthening inter-port cooperation at interregional level

PTM-7E

Supporting the dredging sediment re-use sector through inter-port and inter-sector cooperation

PTM-Eastern English Channel-North Sea coastline-03

Develop the dredged material re-use sector

PTM-7F

Use port land to favour the establishment or maintenance of activities dependent on port infrastructures and reconvert port wastelands

PTM-Eastern English Channel-North Sea coastline-04

To enhance the value of port land by developing a sustainable and concerted development approach

PTM-7H

Enable ships to be fuelled with alternative fuels (LNG, hydrogen, hybrid, electric) using specific infrastructures

PTM-Eastern English Channel-North Sea coastline-05

Equip ports with dedicated structures for shore power and clean energy supply

8 - Shipbuilding and nautical industries

Develop, support and diversify
the construction, deconstruction and repair of ships
and promote the SME's that structure the territory of the maritime coastline.

INN-8A

Maintain production capability by supporting the manufacture and marketing of innovative ships and equipment

INN-NAT-01

Contribute to the dialogue between the State and the industry in terms of R&D support and make State support more visible, particularly in terms of clean propulsion and eco-design

INN-8B

Encouraging sustainable boating accessible to all

INN-Eastern Channel-North Sea coastline-01

Promoting access to nautical activities

INN-Eastern Channel-North Sea coastline-02

Supporting ports in their digitalisation process

INN-8C

Promote a collaborative yachting model that considers digital, environmental and maritime safety issues

INN-Eastern English Channel-North Sea coastline-03

Supporting nautical stakeholders in the evolution of yachting uses

INN-8D

Supporting innovation to adapt the shipbuilding and marine industry

INN-Eastern Channel-North Sea coastline-04

Structuring the shipbuilding and nautical innovation sector

INN-NAT-02

Supporting the digital transformation of companies, the production chain (parent companies and subcontractors) and the products of the naval and nautical industries

INN-8E

Supporting the dismantling industry by recovering the waste from it

INN-NAT-05

Deploying the dismantling of pleasure boats by strengthening the support of eco-organisations in the development of the sector, of private individuals and local authorities, and of port managers

10 - State intervention at sea and on the coast (Maritime Safety)

Maintaining and adapting monitoring capability and intervention at sea by the State to preserve the safety and security of maritime and port areas.

SEC-10A

Maintain bathymetric knowledge to ensure safe navigation and access to ports

SEC-Eastern English Channel-North Sea coastline-01

Securing navigation and maintaining maritime activities in the vicinity of the cables

11 - Maritime and coastal tourism and leisure

Preserve the environmental assets and remarkable sites of the maritime coastline, which determine the attractiveness of the Channel and the North Sea for tourism.

Promoting coastal and nautical leisure activities around education about the sea and the discovery of the environment.

TOU-SPO-11B

Raising awareness of maritime safety and environmental protection among tourists and boaters

TOU-SPO-Eastern Channel-North Sea coastline-01

Optimise waste collection on the foreshore and at sea, by facilitating voluntary participation by users, and organise the recovery of the materials collected

TOU-SPO-Eastern Channel-North Sea coastline-02

Raising public awareness of the environmental challenges of water sports activities

INN-Eastern Channel-North Sea coastline-03

Supporting nautical stakeholders in the evolution of yachting uses

(see chapter "New Socio-Economic Actions for the Marine and Nautical Industries / INN-8C")

TOU-SPO-11C

Encourage the development of areas dedicated to cruise passengers by strengthening city/port synergies on the coast

TOU-SPO-Eastern English Channel-North Sea coastline-03

Boosting cruise terminals

TOU-SPO-11D

Structuring accessible territorial tourist centres committed to a multi-activity offer

TOU-SPO-Eastern English Channel-North Sea coastline-04

Promote the sustainable and eco-responsible tourism offer proposed on the coastline with a view to developing a "multi-activity" offer

12 - Research & innovation, training and knowledge

Strengthen the structuring of professional and higher education training opportunities, innovation and knowledge dissemination capacities within the maritime area.

RI-FOR-CON-12A

Adapt the existing maritime training offer to the needs of the coastline and create links between the training courses

RI-FOR-CON-Eastern Channel-North Sea coastline-01

Promote and enhance the value of maritime occupations

INN-NAT-04

Anticipate the needs in terms of skills and job volumes to reinforce the attractiveness of the maritime industries sector

RI-FOR-CON-12B

Increase the level of qualification of maritime and coastal professions

RI-FOR-CON-Eastern English Channel-North Sea coastline-02

To promote maritime training courses leading to qualifications by relying on a reference centre to promote the sea trades

RI-FOR-CON-12C

Create new training courses to meet the challenges of the ecological transition at sea and on the coast

RI-FOR-CON-Eastern English Channel-North Sea coastline-03

To develop qualifications and skills adapted to the new challenges of the ecological transition by relying on a reference and development centre for the sea-related professions

RI-FOR-CON-12D

Support public and private research on maritime and coastal environments and activities

RI-FOR-CON-Eastern Channel-North Sea coastline-04

Prioritise the funding of public and private research projects

RI-NAT-01

Develop the blue economy observatory

RI-FOR-CON-12E

Federating, organising and disseminating knowledge

RI-FOR-CON-Eastern Channel-North Sea coastline-05

Referencing research structures and disseminating their work

MRE-Eastern Channel-North Sea coastline-02

Create a scientific coastline council

(see chapter "New socio-economic actions for marine renewable energy / MRE-5B")

RI-FOR-CON-Eastern Channel-North Sea coastline-06

Facilitate the sharing and dissemination of all data relating to the marine environment

RI-FOR-CON-12F

Support the structuring of ecological engineering and blue biotechnology sectors

RI-FOR-CON-Eastern English Channel-North Sea coastline-07

Draft a development strategy for the blue biotechnology sector on the scale of the coastline

13 - Maritime and coastal heritage

To raise awareness of the maritime, cultural, industrial and natural heritage of the Eastern Channel and North Sea.

SPP-13A

Recognising the strong heritage of maritime and coastal activities and trades

RI-FOR-CON-Eastern Channel-North Sea coastline-01

Promote and enhance the value of maritime occupations

(see chapter "New Socio-Economic Actions Research and Innovation, Training and Knowledge / RI-FOR-CON-12A")

SPP-Eastern Channel-North Sea coastline-01

Supporting the creation and development of "open-air museums

SPP-Eastern Channel-North Sea coastline-02

Structuring and enhancing the maritime heritage of the coastline

SPP-13B

Promote maritime employment on the East English Channel - North Sea coast by making it more attractive

RI-FOR-CON-Eastern English Channel-North Sea coastline-01

Promote and enhance the value of maritime occupations

(see chapter "New Socio-Economic Actions Research and Innovation, Training and Knowledge / RI-FOR-CON-12A")

SPP-13C

Organise and support major maritime events in the coastline

SPP-Eastern English Channel-North Sea coastline-03

To encourage the organisation of maritime and nautical events by providing technical support to project leaders

15 - Coastal and artificialization management prevention of natural risks

To define, in application of the National Coastline Management Strategy, a concerted strategy or strategies at the right scale, management of natural risks in the Eastern Channel and North Sea and to control the development of the coastline.

RLI-15A

Define a territorial strategy for managing the coastline and organise the repositioning of daily activities in 20, 40, 60 years

RLI-Eastern English Channel-North Sea coastline-01

Support the development, at the right geographical scales, of territorial strategies for adapting to the mobility of the coastline, in a context of climate change, by the authorities responsible for urban planning and coastal risk management (Gemapi)

RLI-15B

Consider the rise in sea level and coastline mobility in plans, programmes, schemes or projects

RLI-Eastern English Channel-North Sea coastline-02

To develop a risk culture on the coast in terms of marine submersion and coastline recession among local decision makers and the general public