



MPAs and fisheries management the French approach

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Director « Public policy development »

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- ① a quick look at French MPAs**
- ② which contribution to EU policies**
- ③ how fisheries are dealt with**
- ④ current issues**



- ① a quick look at French MPAs
- ② which contribution to EU policies
- ③ how fisheries are dealt with
- ④ current issues

① a quick look at French MPAs



What is it?

**How does
it work?**

**Where are
we?**

**Strategy,
Agency**



① a quick look at French MPAs

What is it?

- a clearly defined zone in the sea

How does it work?

Where are we?

**Strategy,
Agency**



① a quick look at French MPAs

What is it?

- a clearly defined zone in the sea

How does it work?

- with a long term environmental protection objective

Where are we?

**Strategy,
Agency**



① a quick look at French MPAs

What is it?

- a clearly defined zone in the sea

How does it work?

- with a long term environmental protection objective

Where are we?

- with a set of other objectives and management measures

Strategy, Agency



① a quick look at French MPAs

What is it?

3 main kinds of MPAs :

**How does
it work?**

**Where are
we?**

**Strategy,
Agency**



① a quick look at French MPAs

What is it?

3 main kinds of MPAs :

How does it work?

- Strictly protected (natural reserves, centers of national parks, « arrêtés de biotope »)

Where are we?

**Strategy,
Agency**



① a quick look at French MPAs

What is it?

3 main kinds of MPAs :

How does it work?

- strictly protected

Where are we?

- specific habitat or species objective (Natura 2000 sites, marine mammals sanctuaries)

Strategy, Agency



① a quick look at French MPAs

What is it?

3 main kinds of MPAs :

How does it work?

- strictly protected

Where are we?

- specific habitat or species objective

Strategy, Agency

- multi-purpose (marine nature parks, area of adhesion of national parks)



Summary : 3 main kinds of MPAs

strictly protected

- natural reserves
- centers of national parks
- « arrêté de biotope »

specific habitat or species objective

- Natura 2000 sites
- marine mammals sanctuaries

multi-purpose

- marine nature parks
- area of adhesion of national parks

Summary : 3 main kinds of MPAs



strictly protected

- natural reserves
- centers of national parks
- « arrêté de biotope »

Strictly protected areas can be included in other kinds

specific habitat or species objective

- Natural 1000 sites
- marine mammals sanctuaries

multi-purpose

- marine nature parks
- area of adhesion of national parks

Summary : 3 main kinds of MPAs



strictly protected

- natural reserves
- centers of national parks
- « arrêté de biotope »

Specific
habitat/species
MPAs can be
included in multi-
purpose MPAs

specific habitat or species objective

- Natural 1000 sites
- marine mammals sanctuaries

multi-purpose

- marine nature parks
- area of adhesion of national parks

① a quick look at French MPAs



what is it?

how does
it work?

governance / partnership

strategy,
agency

where are
we?



MPAs and fisheries
management - E. P. October



MPAs and fisheries management - E.P. October

① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

where are
we?

governance / partnership

manager



DIRECTION
DE L'ENVIRONNEMENT

Parc marin
Mayotte





① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

where are
we?

governance / partnership

manager

management plan

① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

where are
we?

governance / partnership

manager

management plan

- long term objectives

① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

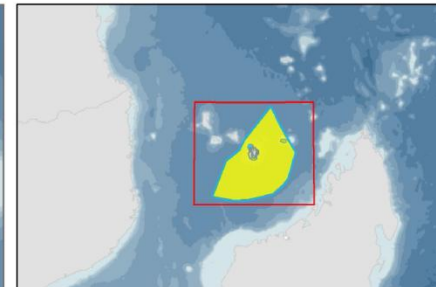
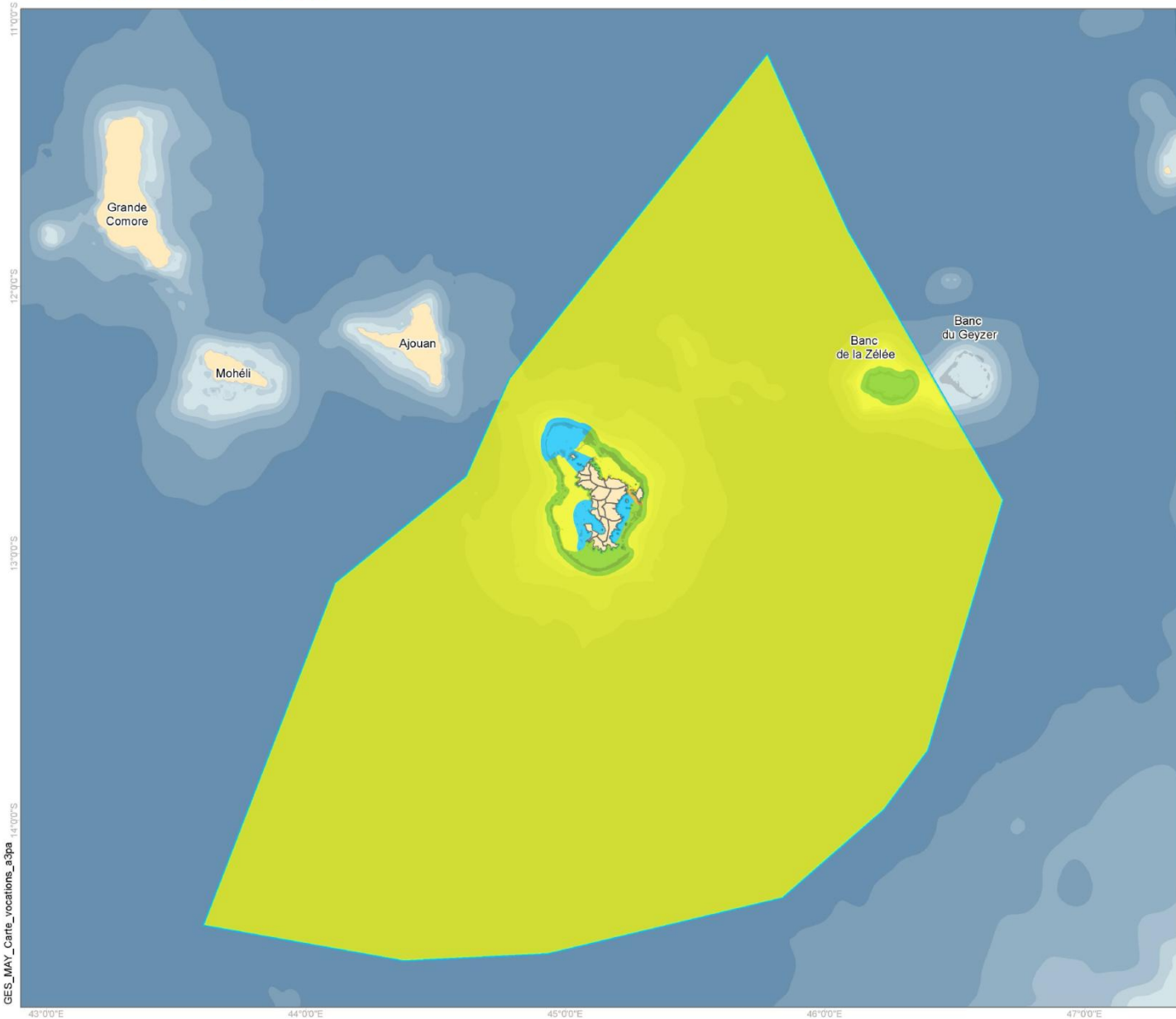
where are
we?

governance / partnership

manager

management plan

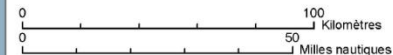
- long term objectives
- spatial planning



- Zone de protection du milieu marin en limitant les impacts anthropiques
- Zone de valorisation du patrimoine naturel et culturel en soutien aux activités écologiquement exemplaires
- Zone de développement durable des activités maritimes dans le respect des écosystèmes
- Zone d'exploitation raisonnée du milieu marin

Cette carte résume les priorités d'action du parc. Sa légende est explicitée dans un chapitre du plan de gestion. Elle n'est pas un zonage à usage réglementaire.

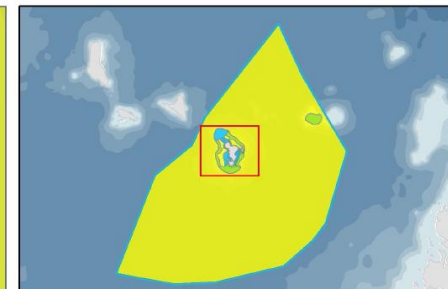
Récifs coralliens



Sources des données :
 - Millenium Coral Reef Mapping Project, IRD-U227/NASA/USF-Imars : Récifs coralliens
 - GEBCO 2008 : Bathymétrie
 - IGN/SHOM 2008 : Trait de côte Histoliitt V1
 Système de coordonnées : WGS84/UTM40S/IAG GRS80

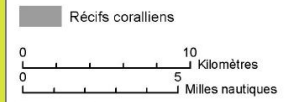


GES_MAY_Carte_vocations_a3pa



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① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

where are
we?

governance / partnership

manager

management plan

- long term objectives
- spatial planning
- assessment / dashboard



Un outil au service du pilotage de la gestion : le **tableau de bord**

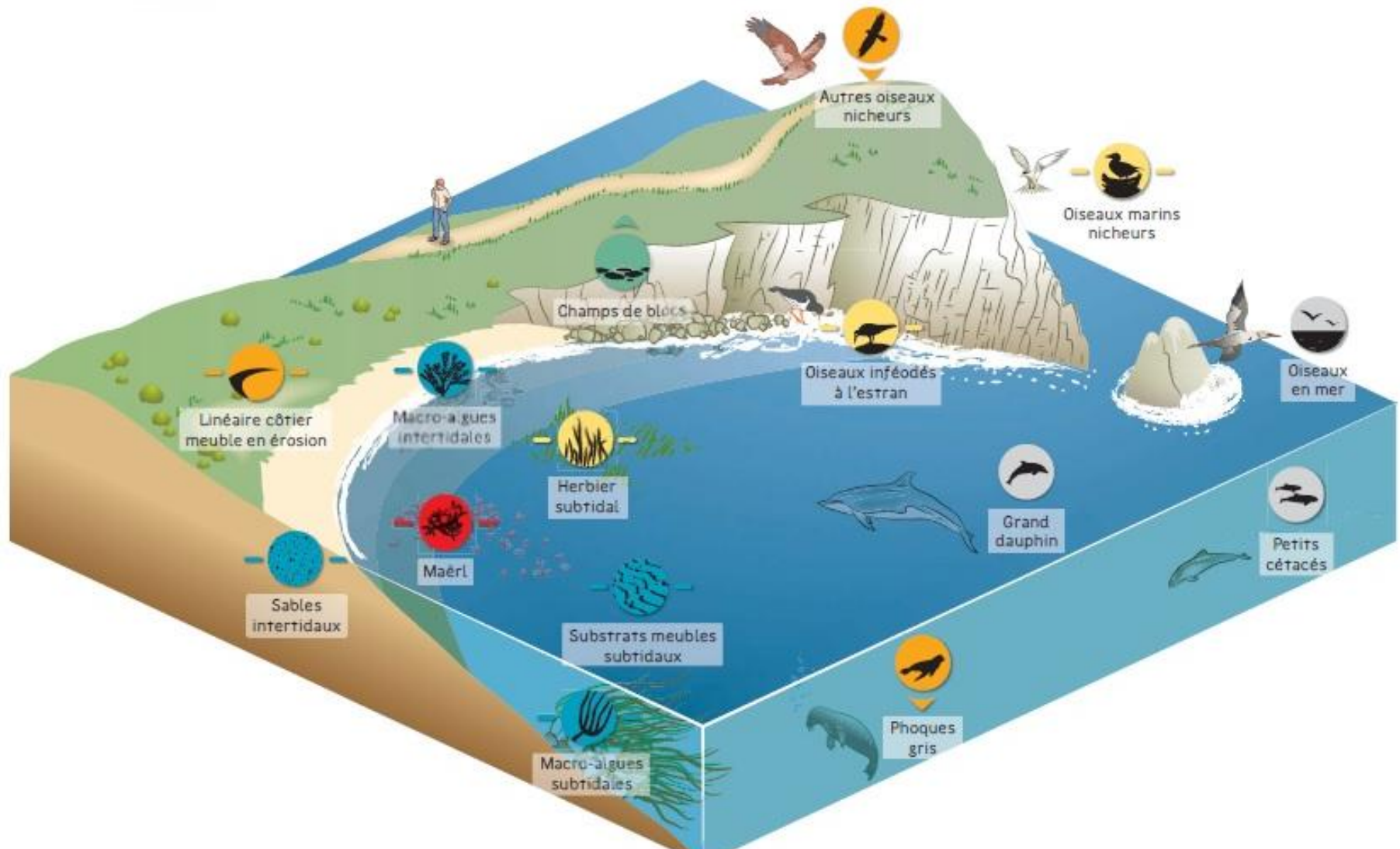
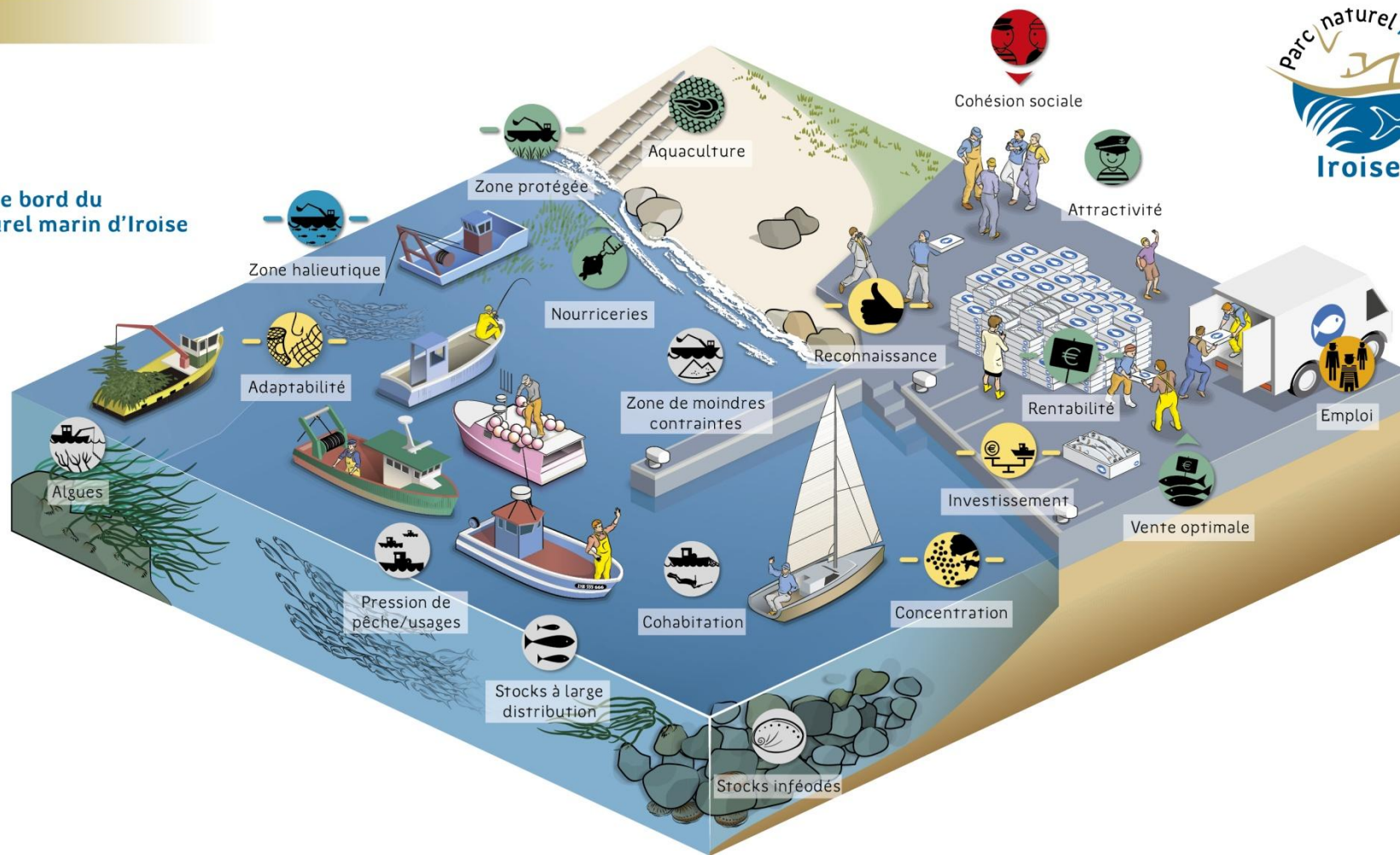


Tableau de bord du Parc naturel marin d'Iroise



État de l'indicateur

indéterminé

très bon

bon

moyen

mauvais

très mauvais

amélioration

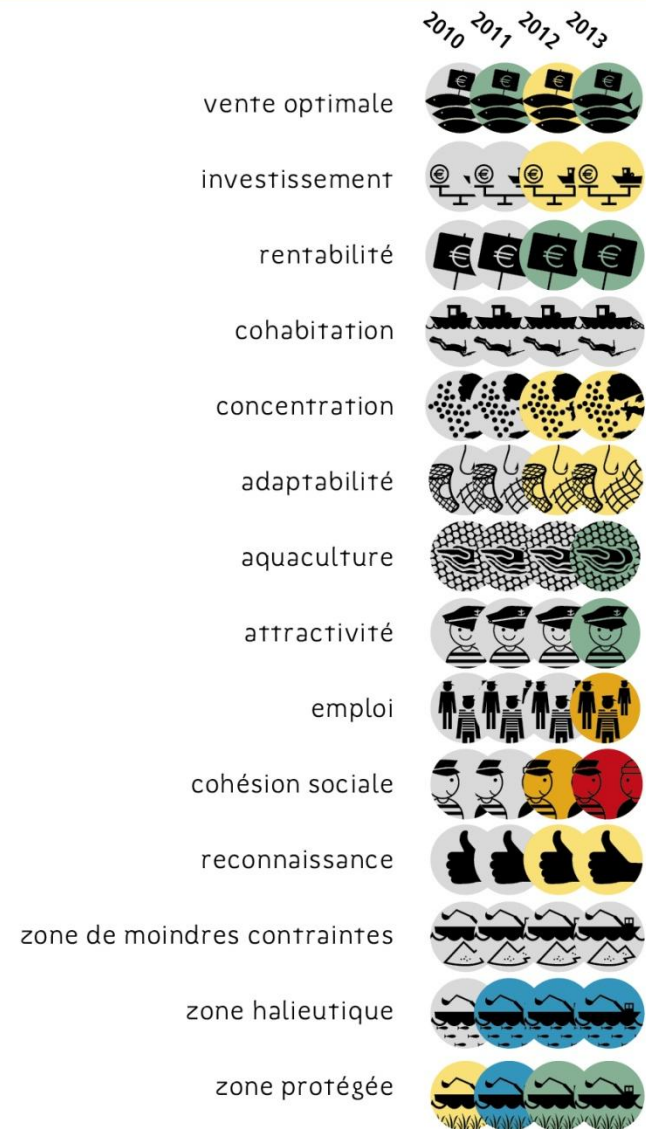
stabilité

dégradation

Patrimoine naturel



Pêche



① a quick look at French MPAs

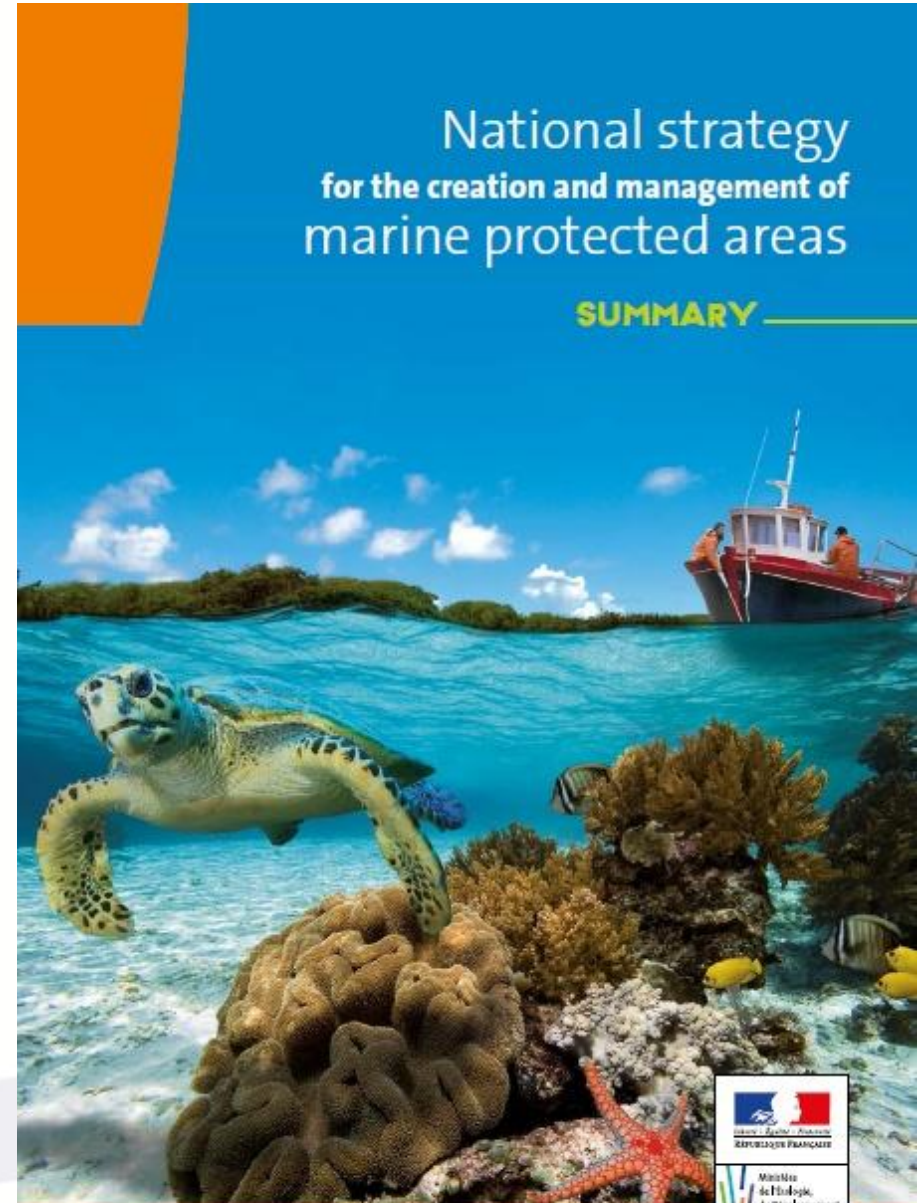


what is it?

how does
it work?

strategy,
agency

where are
we?



National strategy
for the creation and management of
marine protected areas

SUMMARY



Ministry of Ecology, Sustainable Development and Energy

www.developpement-durable.gouv.fr

① a quick look at French MPAs



what is it?

The *Agence des aires marines protégées* is a **public body** created by the law of 14 April 2006 and placed under the governance of the **Ministry of Ecology**.

how does
it work?

strategy,
agency

where are
we?

① a quick look at French MPAs



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Main assignments :

- Support to **MPA development and management**, partnership with stakeholders and MPA managers



① a quick look at French MPAs

what is it?

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how does it work?

Main assignments :

- Support to **MPA development and management**, partnership with stakeholders and MPA managers
- technical and financial support of **Marine nature parks**

strategy, agency

where are we?

① a quick look at French MPAs



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how does
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Main assignments :

- Support to **MPA development and management**, partnership with stakeholders and MPA managers
- technical and financial support of **Marine nature parks**
- reinforcing French potential in **international negotiations** concerning marine biodiversity.

① a quick look at French MPAs



what is it?

how does
it work?

strategy,
agency

where are
we?



**OÙ EN EST LE RÉSEAU
FRANÇAIS DES AIRES MARINES
PROTÉGÉES EN 2015 ?**

16,5 % des eaux françaises couvertes
par au moins une aire marine protégée,
dont 23,6% des eaux métropolitaines
et 16,3% des eaux ultramarines.



OBJECTIF À HORIZON 2020

20 % des eaux françaises en aires
marines protégées alors que les objectifs
internationaux sont fixés à 10%.

① a quick look at French MPAs



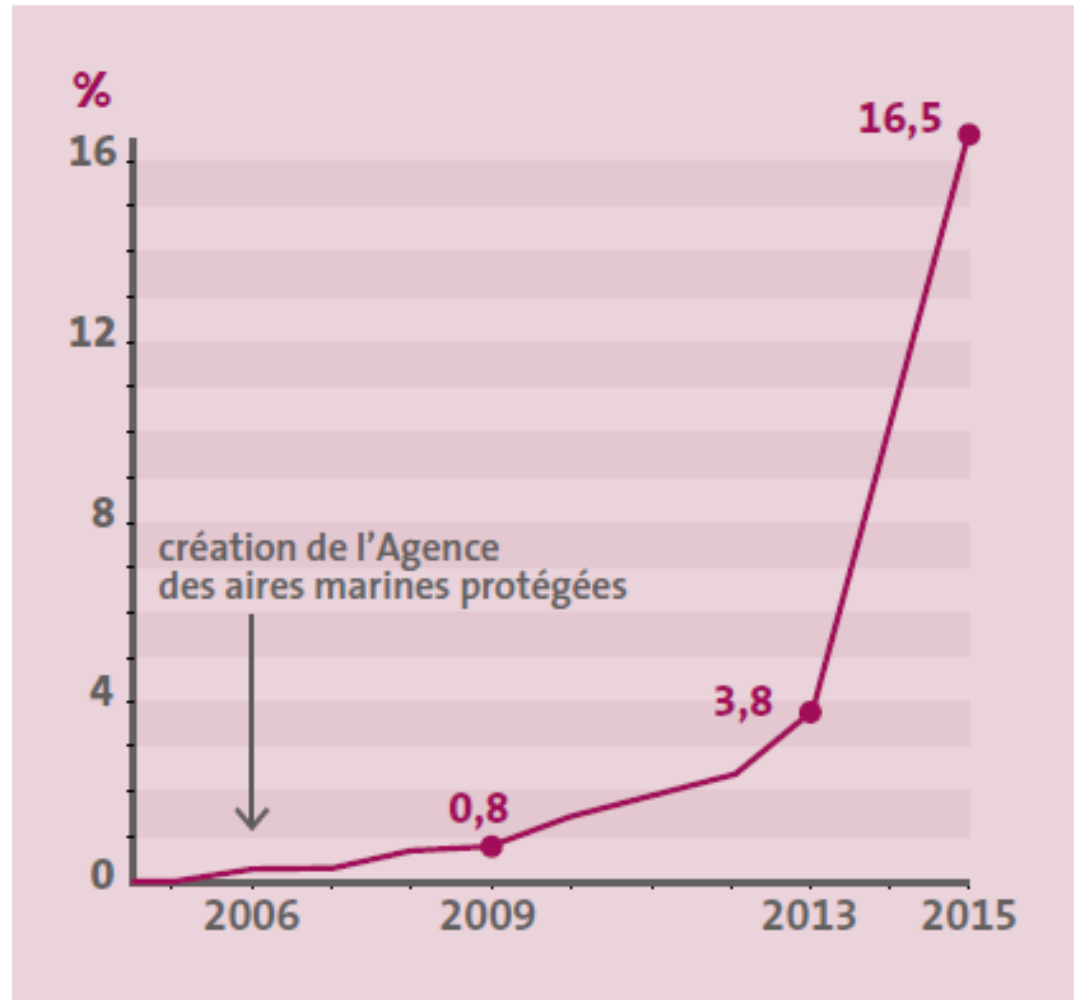
what is it?

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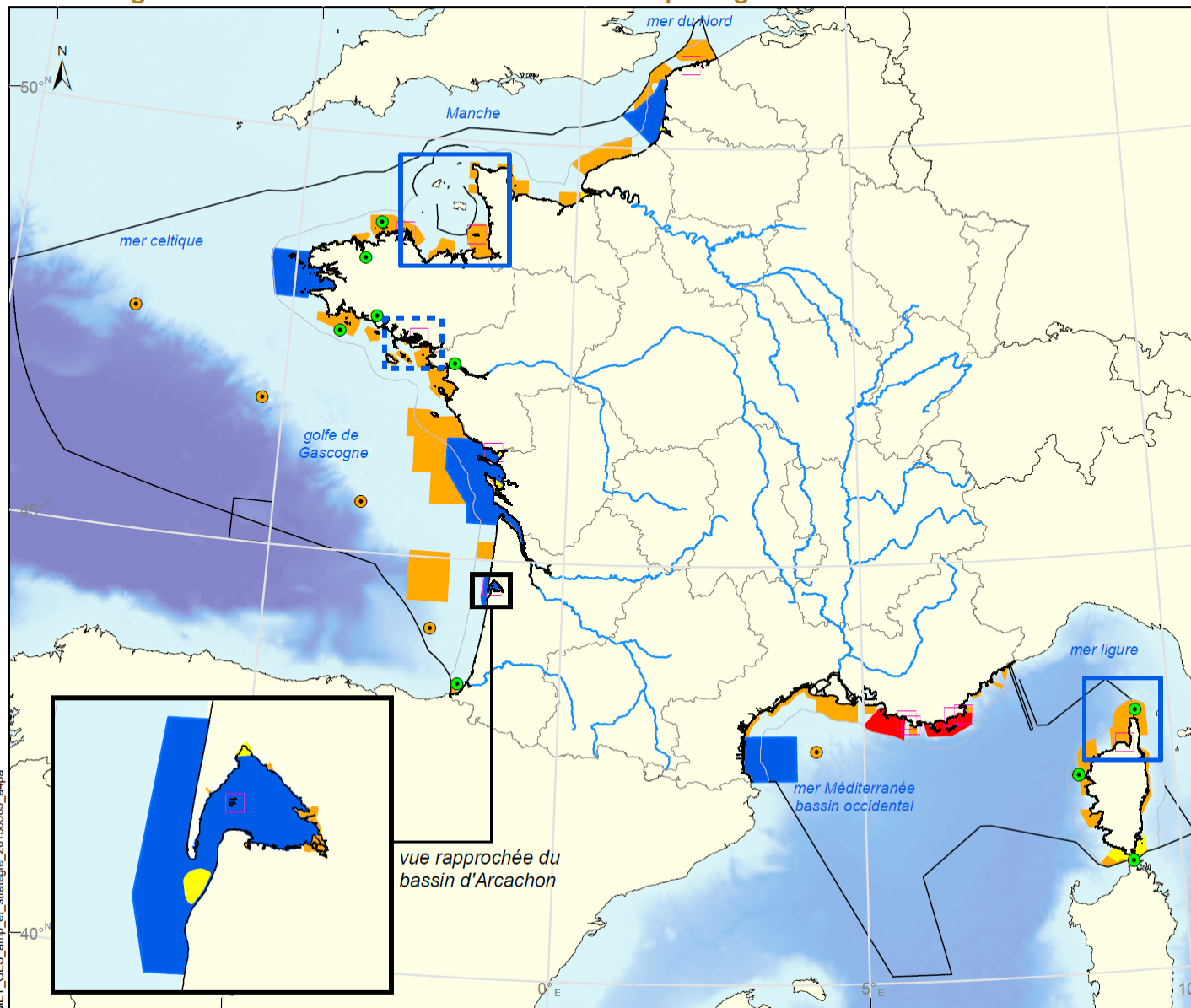
strategy,
agency

where are
we?

Progression du réseau national d'AMP
par rapport à la superficie des eaux françaises



Agence des aires marines protégées



parc naturel marin (PNM)

- PNM existant
- secteur de mission d'étude
- proposition de mise à l'étude

autres catégories d'aires marines protégées (non exhaustif)

- parc national
- réserve naturelle
- site Natura 2000
- domaine public maritime relevant du Conservatoire du littoral
- outil de protection renforcée à créer (extension, création)
- projets de nouveaux sites Natura 2000 (localisation indicative)

Délimitations maritimes françaises *

- Limite de la mer territoriale
- Limite des eaux sous juridiction

0 50 100 kilomètres



0 50 100 milles nautiques



Sources des données :

- Aires marines protégées : AAMP, 06/2015
- Délimitations maritimes françaises : SHOM, 2011
- * (ne pas utiliser pour la navigation)
- trait de côte : SHOM/IGN, histoilt version 2
- pays européen : ESRI
- principaux fleuves français : ESRI
- bathymétrie : GEBCO, 2008

Système de coordonnées : Lambert 93 / RGF93 / IAG GRS 1980



vue rapprochée du bassin d'Arcachon

En cas de superposition spatiale entre catégories d'aires marines protégées et dans le cas d'un parc national ou d'un parc naturel marin, seules les réserves naturelles et les aires de protection de biotope ne sont représentées sur cette carte.

① a quick look at French MPAs



what is it?

strictly protected :

how does
it work?

- 0,23% of French waters (mainland
and overseas)

- less than 0,1% in the mainland

strategy,
agency

where are
we?



① a quick look at French MPAs

what is it?

strictly protected :

how does
it work?

- 0,23% of French waters (mainland and overseas)

strategy,
agency

- less than 0,1% in the mainland

where are
we?

- **all kinds of MPAs combined**

- 23,63% in the mainland (mostly coastal)

- 16,25% overseas



① a quick look at French MPAs

what is it?

strictly protected :

how does
it work?

- 0,23% of French waters (mainland
and overseas)

- less than 0,1% in the mainland

strategy,
agency

- all kinds of MPAs combined

- 23,63% in the mainland (mostly
coastal)

where are
we?

- 16,25% overseas

**- huge differences between
overseas regions**



- ① a quick look at French MPAs
- ② contribution to EU policies
- ③ how fisheries are dealt with
- ④ current issues



**Natura
2000**

MSFD

**Integrated
maritime
policy**

CFP

② contribution to EU policies

**Natura 2000 sites are a special
category of MPAs in the French
law**



**Natura
2000**

MSFD

**Integrated
maritime
policy**

CFP

② contribution to EU policies

Natura 2000 sites are a special category of MPAs in the French law

Management :

**- specific Natura 2000 system
or**

**- within the management of
Marine nature parks or National
parks**



**Natura
2000**

MSFD

**Integrated
maritime
policy**

CFP

② contribution to EU policies

**Cf. art. 13 : MPAs should be part of
implementation programmes**



**Natura
2000**

MSFD

**Integrated
maritime
policy**

CFP

② contribution to EU policies

**MPAs are taken into account
in**

- strategic planning**
- sector policies**
- spatial planning**



**Natura
2000**

MSFD

**Integrated
maritime
policy**

CFP

② contribution to EU policies

Fisheries measures can be discussed in MPAs and proposed to competent authorities at local, national or EU levels



- ① a quick look at French MPAs
- ② contribution to EU policies
- ③ how fisheries are dealt with
- ④ current issues



**General
principles**

Objectives

Examples

③ how fisheries are dealt with

**MPAs can only contribute to
fisheries management and to
fisheries resource conservation**



**General
principles**

Objectives

Examples

③ **how fisheries are dealt with**

MPAs can only contribute to fisheries management and to fisheries resource conservation

All human activities (including terrestrial activities with marine impacts) are taken into account in MPAs



**General
principles**

Objectives

Examples

③ how fisheries are dealt with

Specific resources conservation

Knowledge / monitoring

Impact mitigation

**Support to sustainable
development**



③ how fisheries are dealt with

**General
principles**

Objectives

Examples



**General
principles**

Objectives

Examples

③ how fisheries are dealt with

Strictly protected MPAs :

- **Small MPAs mostly in the Mediterranean sea (Port-Cros, Côte bleue, Banyuls, Bonifacio)**
- **Glorieuses (south-west Indian ocean)**
- **Kerguelen / Crozet (southern Ocean)**



**General
principles**

Objectives

Examples

③ how fisheries are dealt with

Strictly protected MPAs :

- Small MPAs mostly in the Mediterranean sea (Port-Cros, Côte bleue, Banyuls, Bonifacio)
- Glorieuses (south-west Indian ocean)
- Kerguelen / Crozet (southern Ocean)

Med MPAs :

- spill-over effect well established
- well accepted and endorsed by fishermen



**General
principles**

Objectives

Examples

③ how fisheries are dealt with

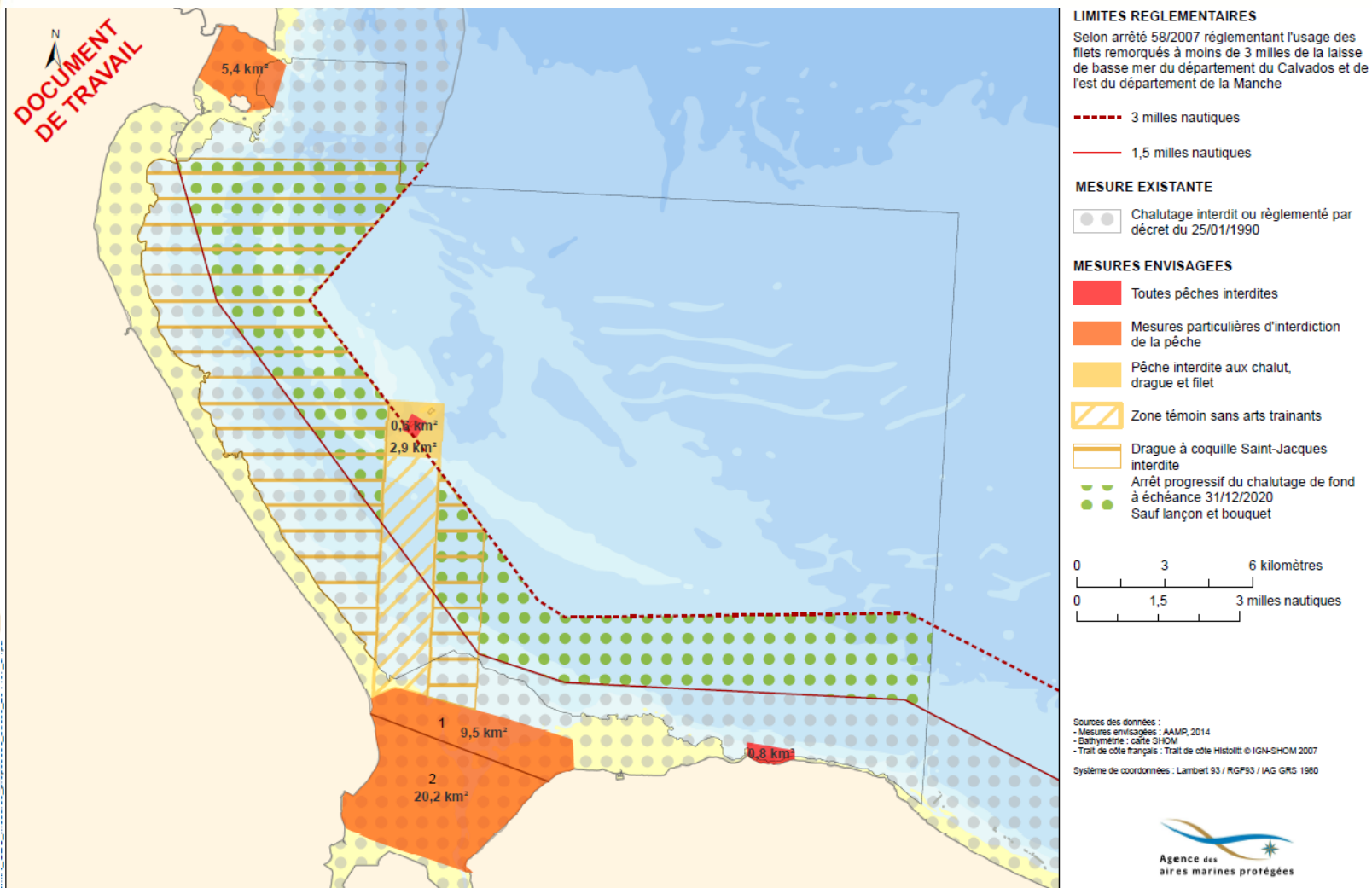
Strictly protected MPAs

Natura 2000 Sites

- cf. “strictly protected MPAs”
- Partnership with the industry to prepare measures consistent with the “good conservation status” (technical measures, spatial measures)

SIC et ZPS Baie de Seine Occidentale

Mesures



Biogeographical marine seminary for the management of Natura2000 sites, 2015, May 5th



**General
principles**

Objectives

Examples

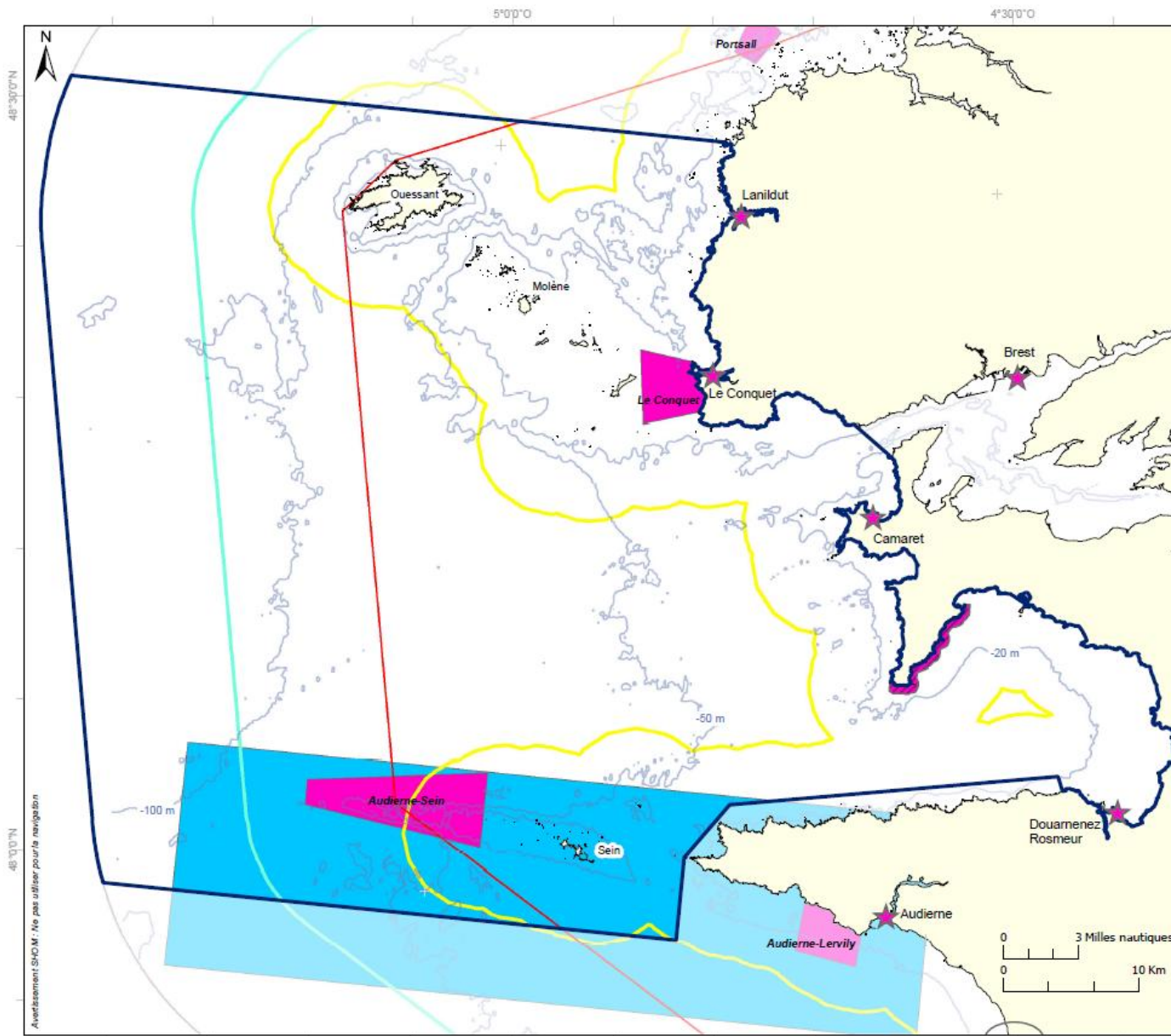
③ how fisheries are dealt with

Strictly protected MPAs

Natura 2000 Sites

Multi-purpose MPAs

- cf. “strictly protected MPAs” and “Natura 2000 Sites”
- knowledge, monitoring
- technical partnership for impact mitigation
- support to labelling
- involvement of fishermen in governance and ecosystem management



PARC NATUREL MARIN D'IROISE

USAGE

> Pêche professionnelle:
Réglementation crustacés

Cantonement de pêche à crustacés

- Interdiction toute l'année à la pêche professionnelle
- Interdiction du 1er avril au 30 septembre à la pêche récréative

Pêche au casier

- Araignée de mer
- Fermeture quelque soit l'engin de pêche du 15 octobre au 1er décembre
- Principaux ports de pêche

Limites administratives et bathymétrie

- Parc naturel marin d'Iroise
- Limite de la mer territoriale (12 MN)
- Isobathes
- Ligne de base droite
- Limite théorique des 3 milles nautiques
- Limite théorique des 6 milles nautiques



Agence des aires marines protégées

sources des données :
 - Terra Mars/IFREMER (Compilation des arrêtés)
 - AAMP/Parc naturel marin d'Iroise
 - AAMP (délimitations indicatives des espaces maritimes français métropolitains d'après données SHOM/IGN trait de côte historique - version 1.0, décembre 2007 et données SHOM contrat n°39/2008 délimitations des espaces maritimes français - version 1.0, novembre 2007);
 - IFREMER (limites des 3 et 6 milles)
 - Multisources IFREMER (bathymétrie)

système de coordonnées :
 Lambert 93/RGF Lambert 93/IAG GRS 1980
 réalisation :
 Agence des aires marines protégées - oct. 2010 - v1.0
 US_PNMI_RECrustacés_20101015



Agence des aires marines protégées

Avertissement SHOM: Ne pas utiliser pour la navigation



Ormeaux
de Molène
Criée de Brest



BRETAGNE
QUALITÉ
MER

Parc naturel marin
d'Iroise



- ① a quick look at French MPAs
- ② contribution to EU policies
- ③ how fisheries activities are dealt with
- ④ current issues



Natura 2000

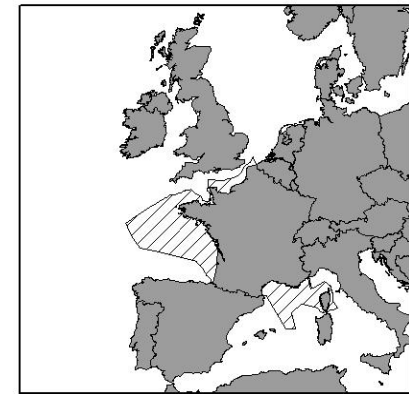
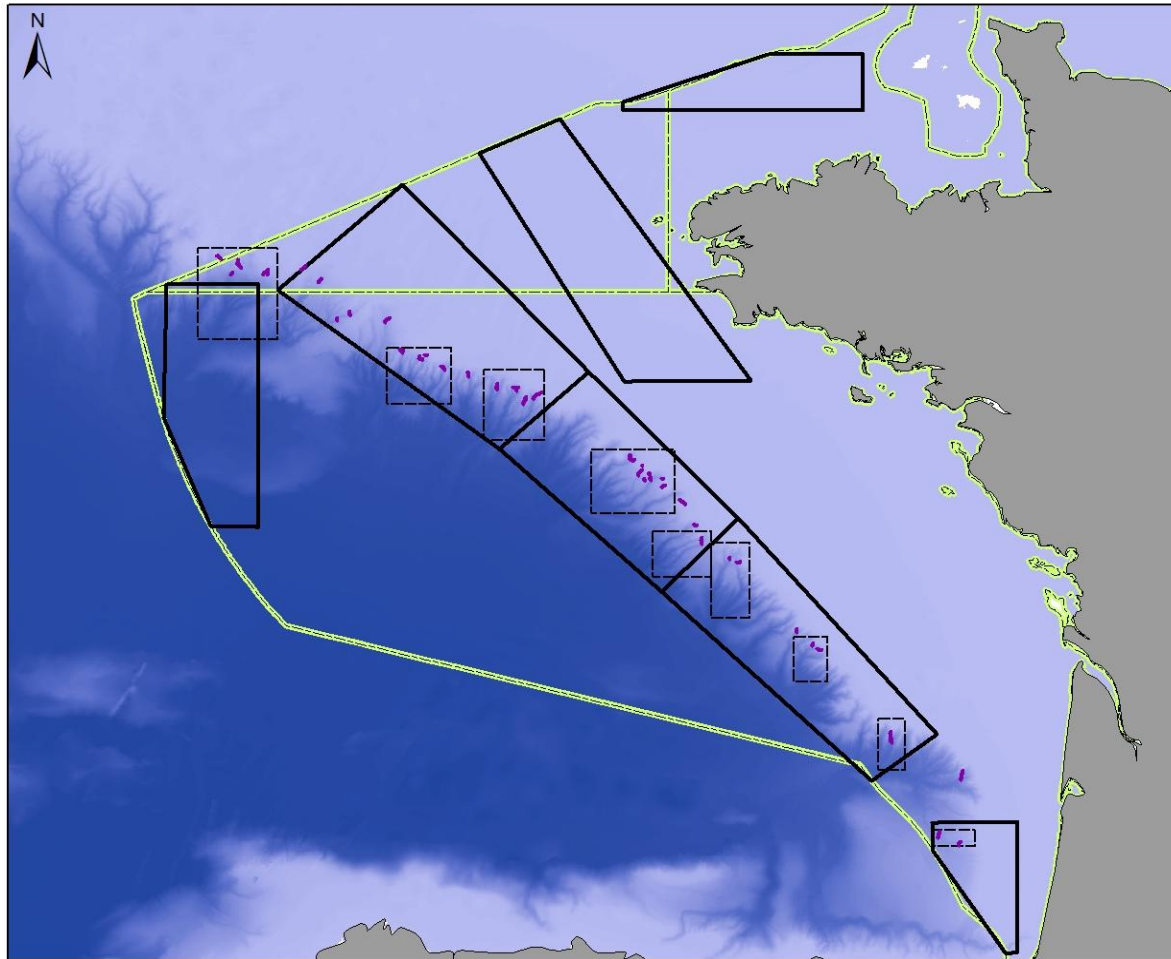
MSFD

**Draft law on
biodiversity**





④ current issues

**Enlargement of Natura 2000
network in offshore waters (cf.
reefs, birds, mammals) : work in
progress**

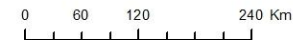
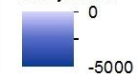
Grands Secteurs- Golfe de Gascogne



Légende

-  Canyons explorés par IFREMER (2009-2012)
-  Grands Secteurs habitat 1170 "récifs"
-  Grands Secteurs Oiseaux Mammifère marins
-  Sous régions marines DCSMM

bathymétrie



Source des données:

bathymétrie: European Marine Observation and Data Network
 Grands Secteurs récifs: MNHN, GIS POSIDONIE, IFREMER et AAMP
 Grands Secteurs Oiseaux Mammifères: MNHN

Système de coordonnées: WGS 84 - projection Mercator





Natura 2000

MSFD

Draft law on
biodiversity

④ current issues

Implementation programmes (work
in progress)

Should include MPAs measures,
i.a.

- New Natura 2000 offshore Sites
- development of strictly protected
MPAs



Natura 2000

MSFD

**Draft law on
biodiversity**

④ current issues

(work in progress)

**Creation of a new category of
MPAs “fisheries conservation
zones”**

- specially dedicated to the
protection of essential fish
habitats**
- intended to deal with all human
activities**



Some more key issues...

Confidence building



Some more key issues...

Confidence building

Time !



Some more key issues...

Confidence building

Time !

**Which sequence (“strictly protected MPAs”
before/after “multi-purpose MPAs”)**



Thank you for your attention

www.aires-marines.fr

National strategy : <http://www.developpement-durable.gouv.fr/Strategie-nationale-de-creation-et.html?onglet=themes>