



MSP-OR

Advancing Maritime
Spatial Planning
in Outermost Regions

D.3.12 SYNTHESIS MAP OF SOCIO-ECONOMIC ISSUES AT SEA IN FRENCH GUIANA

April 2022

Grant Agreement number:
101035822 — MSP-OR — EMFF-MSP-2020
www.msp-or.eu

Coordinated by



GOVERNO
DOS AÇORES



Funding



Co-funded by
the European Union

Partners



Secretaria Regional de Mar e Pescas
Direção Regional do Mar



Direção-Geral de
Política do Mar



VICIPRESIDENCIA
TERRITORIO DEL GOBIERNO
MINISTERIO
PARA LA TRANSICIÓN ECOLÓGICA
Y EL RETO DEMOGRÁFICO

SECRETARÍA DE ESTADO
DE MEDIO AMBIENTE
DIRECCIÓN GENERAL
DE LA COSTA Y EL MAR



Document information	
Project acronym	MSP-OR
Project name	Advancing Maritime Spatial Planning in Outermost Regions
Grant Agreement number	101035822 — MSP-OR — EMFF-MSP-2020
Start of the project	September 2021
Duration	36 months

WP number and name	WP3: filling the gaps linked with on-going MSP processes
Task number and name	3.2.4: French Guiana lunching planning: gather, format and display information
Deliverable name	D.3.12 SYNTHESIS MAP OF SOCIO-ECONOMIC ISSUES AT SEA IN FRENCH GUIANA
Due date of deliverable (according to GA)	March 2022
Actual submission date	April 2022
Dissemination level	Public

Partner(s) responsible	Cerema
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Document progress			
Version	Status	Date	Authors
1	Final version	28/04/2022	Maxime Jobin, Olivier Laroussinie, Alan Quentric (Cerema)

Acknowledgements:

This document was produced for the MSP-OR project, which has received funding from the European Maritime and Fisheries Fund of the European Union under the Grant Agreement number: 101035822 — MSP-OR — EMFF-MSP-2020.

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Recommended citation:

Jobin M., Laroussinie O., Quentric A. 2022. Synthesis map of socio-economic issues at sea in French Guiana. MSP-OR project, European Climate, Infrastructure and Environment Executive Agency Grant Agreement no. GA 101035822 — MSP-OR — EMFF-MSP-2020. Deliverable D.3.12 Synthesis map of socio-economic issues at sea in French Guiana.

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SUMMARY

LIST OF FIGURES	4
ABBREVIATIONS AND ACRONYMS	5
MSP PROCESS IN FRENCH GUIANA IN A FEW WORDS	6
SOCIO-ECONOMIC ISSUES AND DATA	6
LEADING TO A SYNTHESIS MAP OF SOCIO-ECONOMIC ISSUES	7
SYNTHESIS MAP OF ECOLOGICAL ISSUES	10
CONCLUSION AND NEXT STEPS	12

LIST OF FIGURES

FIGURE 1. SYNTHESIS MAP OF SOCIO-ECONOMIC ISSUES AT SEA IN FRENCH GUIANA (MAP AND LEGEND IN FRENCH)	9
FIGURE 2. SYNTHESIS MAP OF ECOLOGICAL ISSUES IN THE FRENCH GUIANA SEA BASIN (MAP AND LEGEND IN FRENCH)	11

ABBREVIATIONS AND ACRONYMS

Cerema	Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement
DSBM	Document stratégique de bassin maritime
MSP	Marine Spatial Planning
OFB	Office français de la biodiversité
SNML	Stratégie nationale mer et littoral

MSP PROCESS IN FRENCH GUIANA IN A FEW WORDS

The strategic document of sea basin (DSBM) is the declination on the Guiana basin of the French national strategy of the sea and coastline (SNML), adopted in 2017. It specifies and completes the guidelines with regard to its own economic, social and ecological issues.

It deals with the following themes:

- the protection of environment, resources, biological and ecological balances as well as the preservation of sites, landscapes and heritage;
- the prevention of risks and the management of the coastline;
- knowledge, research and innovation as well as education and training in the sea-related professions;
- the sustainable development of economic, maritime and coastal activities and the development of natural mineral, biological and energy resources.

It includes a strategic component (inventory of the situation and socio-economic and environmental objectives to be achieved) and an operational component (action plan).

The existing situation of the sea basin of Guyana was developed in 2018. The further development of the strategic document has been relaunched with the installation of the new Ultramarine Maritime Council of French Guiana in 2021.

A public consultation was conducted in November 2021 on the vision for the future and the strategic objectives. They are under revision according to the results of the consultation. The operational component is currently being developed. The complete draft will be subject to institutional and public consultation in 2022. The final approval of the document is planned for the end of 2022.

SOCIO-ECONOMIC ISSUES AND DATA

The work of elaborating the report describing the existing situation has led to the selection of the following main socio-economic themes:

- Fishing and aquaculture;
- Yachting and nautical activities;
- Commercial ports, cruises and maritime networks;
- Mineral resources;
- Marine renewable energies.

Based on the issues identified for each of these themes, Cerema collected, formatted and spatialized the data, leading to the creation of geographic information layers within a dedicated geographic information system, accessible on a viewer:

<https://experience.arcgis.com/experience/0191c3319f2b47b696b1094a7d48c250/?draft=true>

The information became available for the public consultation of November 2021.

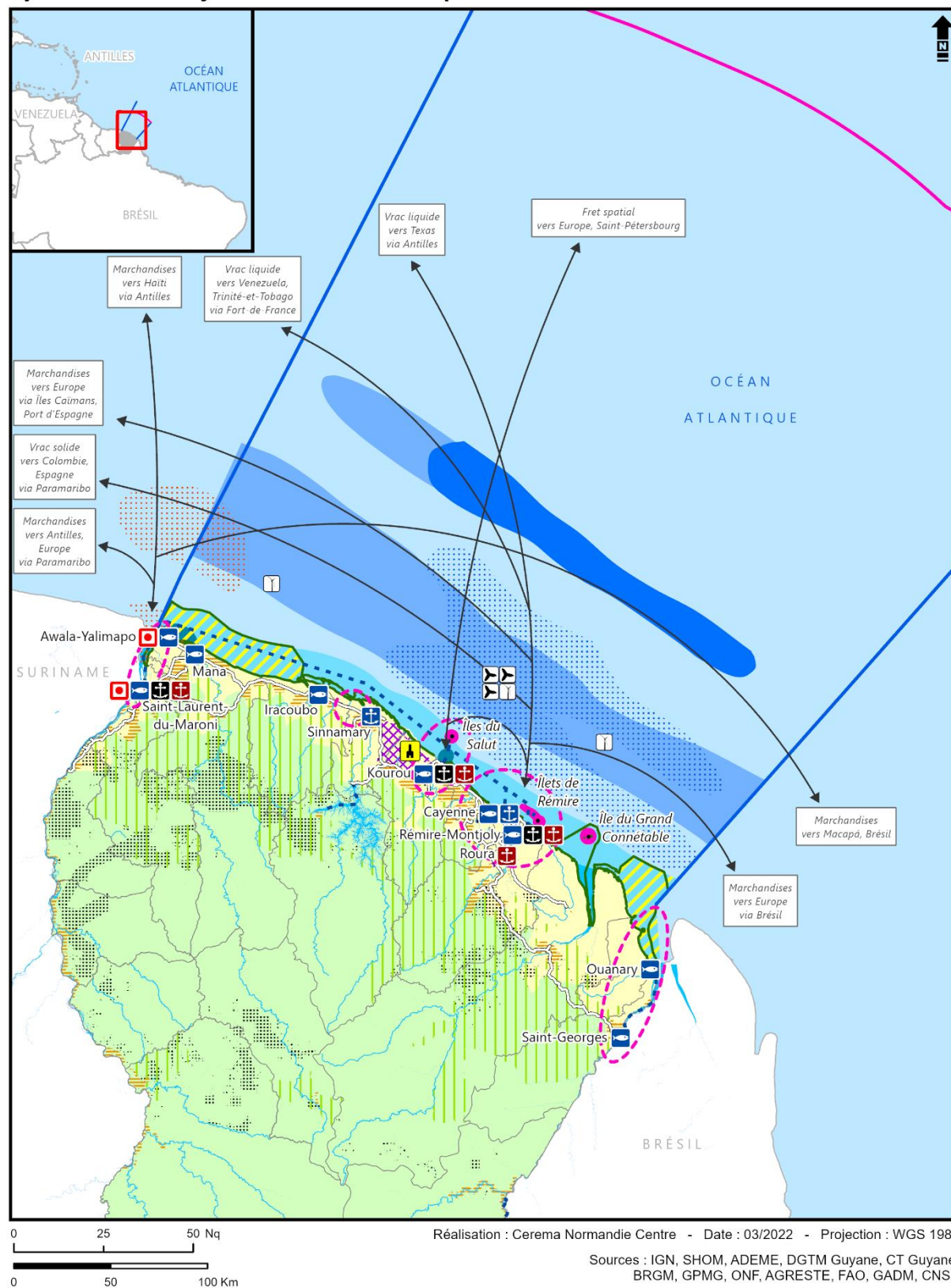
LEADING TO A SYNTHESIS MAP OF SOCIO-ECONOMIC ISSUES

In order to make the socio-economic issues map readable and understandable, choices had to be made regarding the data to be kept. It was also necessary to make choices in the representation of these data. For example, the areas of nautical activities/anchorage areas/tourist projects group together several sets of data (visible in the viewer), the fishing areas have a simplified spatialization and a reduced number of classes in the legend (by grouping together certain types of fishing).

Once processed, these data have allowed the realization of a map of socio-economic issues for the Guiana sea basin (**Figure 1**).

DSBM Guyane

Synthèse des enjeux socio-économiques



DSBM Guyane

Synthèse des enjeux socio-économiques

Activités économiques et réseau



Centre spatial guyanais



Trafic maritime

Tourisme et activités nautiques



Zones d'activités nautiques et/ou de mouillages et/ou de projets touristiques



Site touristique fréquenté (îles et îlets)

Réseau de transport



Navettes fluviales ou fluvio-maritimes à créer



Réseau routier existant à renforcer

Activité portuaire



Point de débarquement de pêche



Port de pêche



Port de commerce



Port de plaisance

Destination du sol



Espaces d'activités économiques futurs

Urbanisme



Zone de droit d'usage collectif

Ressources marines et littorales



Exploitation des minéraux et des métaux (titres miniers)



Réserve de sable potentiellement exploitable



Espaces maritimes de conservation durable



Pêche côtière illégale (surinamaïse et brésilienne)

Type de pêche



Zone de pêche côtière



Pêche de subsistance



Zone de pêche aux vivaneaux



Zone de pêche aux vivaneaux (forte activité)



Zone de pêche crevette

Énergies marines renouvelables



Site éolien potentiel



Site hydrolien potentiel

Destination du sol



Espaces agricoles



Espaces forestiers de développement

Limites, gouvernance et géographie du territoire



Limite communale



Cours d'eau



Surface en eau permanente

Limites maritimes



Zone économique exclusive (ZEE)



Délimitations avec accord

Hydroécorégions



Plaine littorale du Nord



Bouclier guyanais

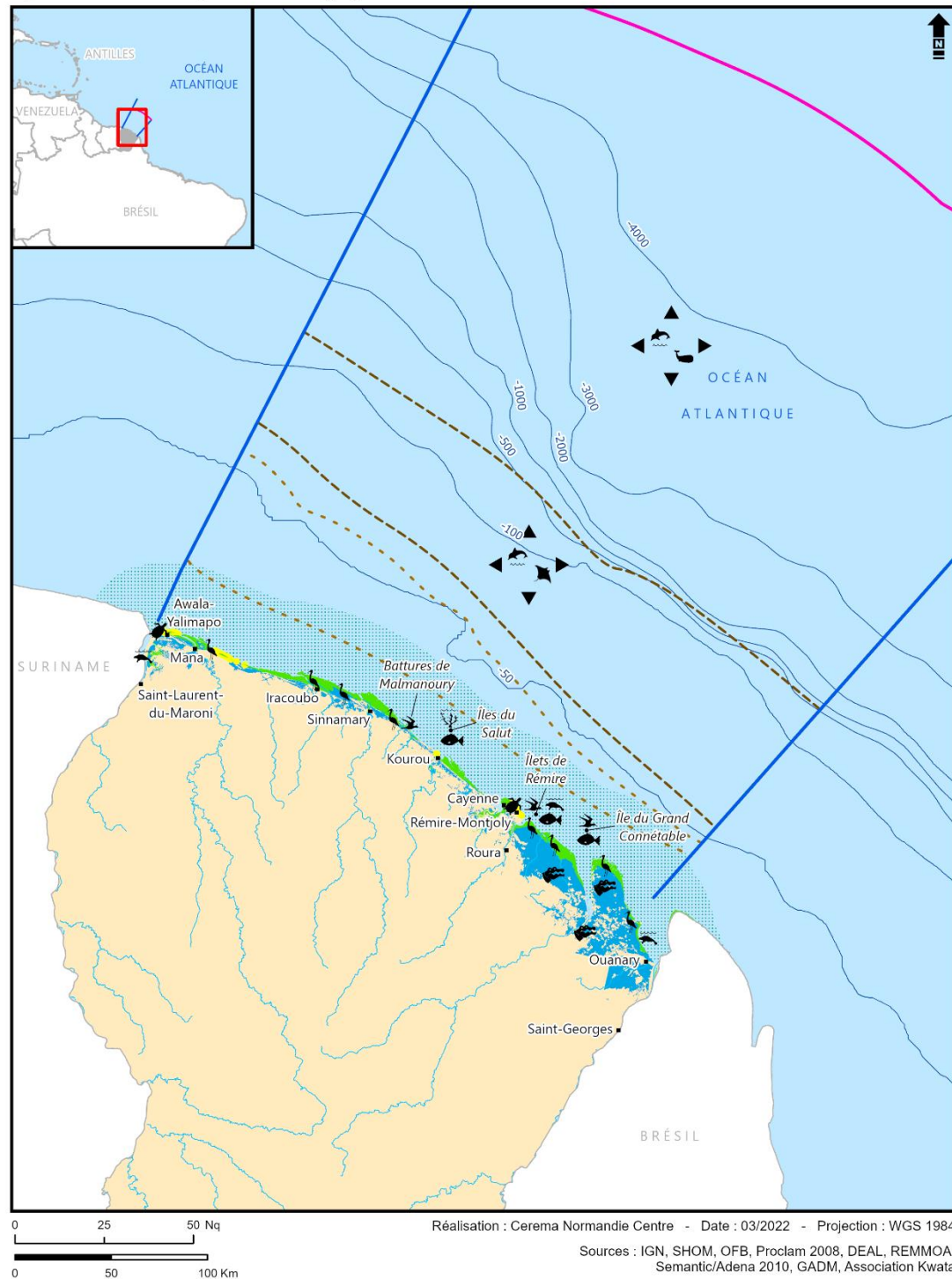
Figure 1. Synthesis map of socio-economic issues at sea in French Guiana (map and legend in French)

SYNTHESIS MAP OF ECOLOGICAL ISSUES

In parallel, a similar approach to ecological issues was adopted by the French Agency for Biodiversity (OFB) and placed under the same editorial line by Cerema (see **Figure 2**).

DSBM Guyane











Synthèse des enjeux écologiques





DSBM Guyane

Synthèse des enjeux écologiques




Espèces

-  Oiseaux marins (reposoirs et nidification)
-  Zone d'intérêt pour les oiseaux de zones humides et limicoles
-  Zone de richesse remarquable de la faune benthique de substrat dur
-  Principaux sites de ponte de tortues marines
-  Présence remarquable du caïman noir
-  Présence remarquable du lémentin
-  Présence remarquable du mérou géant
-  Présence de déphinidés et de grands cétacés
-  Présence de déphinidés, de raies et de requins
-  Secteur de présence du dauphin de Guyane (Sotalie)

Roches et récifs subtidaux

-  Présence discontinue de bioconstructions profondes
-  Secteur de présence probable de roches subtidales

Habitats côtiers

-  Plages
-  Mangroves
-  Marais et marécages

Limites, gouvernance et géographie du territoire





-  Guyane
-  Cours d'eau
- Limites maritimes
 -  Zone économique exclusive (ZEE)
 -  Délimitations avec accord

Figure 2. Synthesis map of ecological issues in the French Guiana sea basin (map and legend in French)

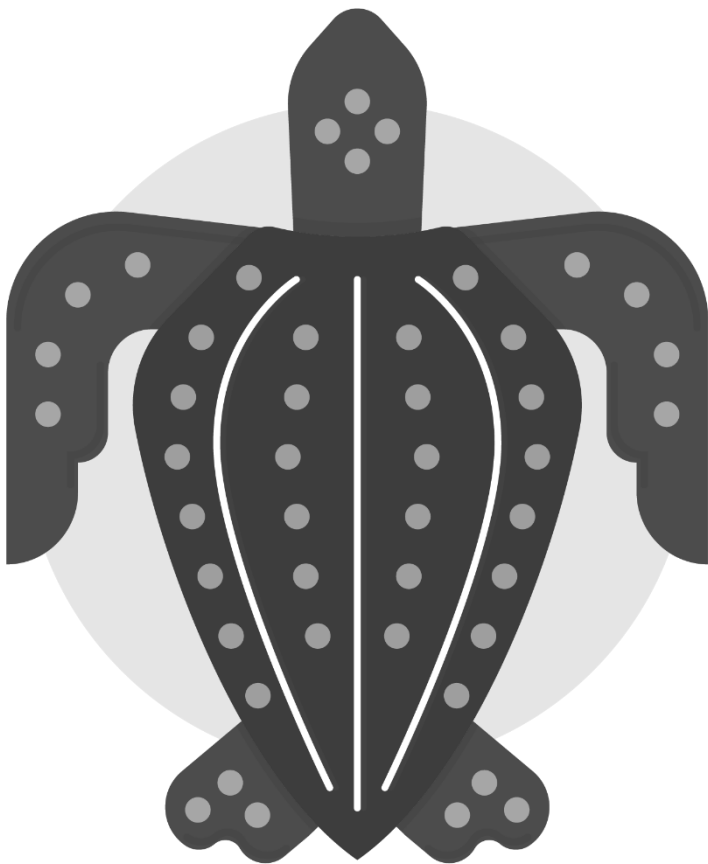
CONCLUSION AND NEXT STEPS

The objectives in producing these maps are:

- to provides a readable overview of what is at stake at the scale of the whole geographic area of the sea basin, contributing to raise awareness among the public about maritime issues;
- to provide material for public debate and institutional consultation when it comes to situating new activities or marine protected areas.

Crossing with ecological issues, this work contributes in the development of a vocational map spatializing the strategic objectives. The result of the maritime spatial planning implementation will then consist of the both summary maps: the current situation map, and the vocation map with a view to the future.

All information about the French Guiana sea basin strategy is available on Geolittoral (DSBM Guyane - GéoLittoral (www.developpement-durable.gouv.fr)).





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