



Enabling sustainable aquaculture in the south-western Mediterranean through Maritime Spatial Planning

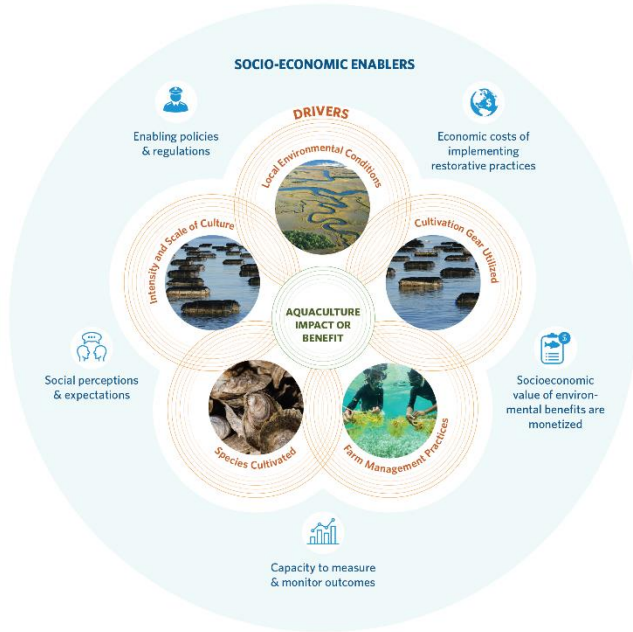
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MED-MSP-CoP Webinar
13 October 2023



European
MSP Platform

WESTMED
blue economy initiative



Aquaculture provides a sustainable source of protein and creates jobs in rural areas

It also reduces the pressure on wild fish populations and helps to meet the growing demand for seafood in Algeria and beyond

- Aquaculture is the farming of aquatic organisms such as fish, shellfish, and seaweed
- It is an important source of food and income for many coastal communities
- Aquaculture needs space



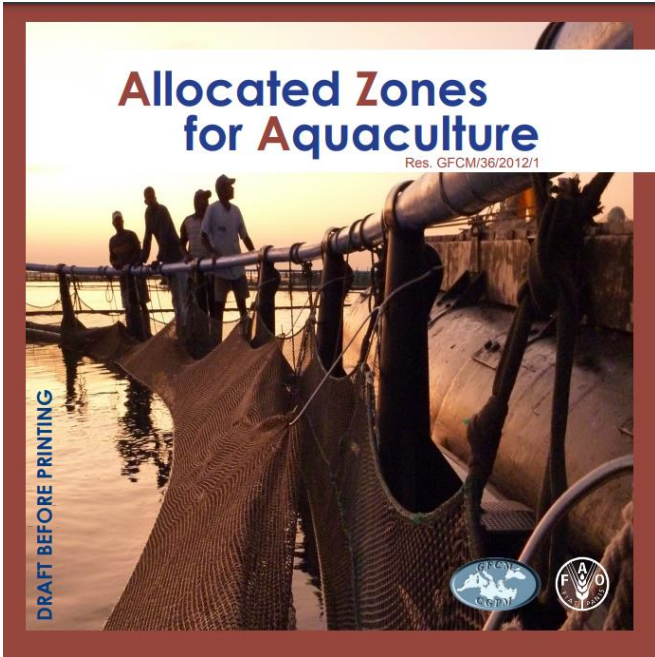
Optimizing Aquaculture Production through Allocation of Zones in the Mediterranean Sea



DEFINITION OF AZA

For Marine Coastal Allocation Zone for Aquaculture (AZA) is intended any spatial planning system or zoning, carried out at local or National level; an AZA is also:

- a marine area where the development of aquaculture is prior to other uses;*
- an area dedicated to aquaculture, recognized by physical or spatial planning authorities that would be considered as a priority for local aquaculture development*



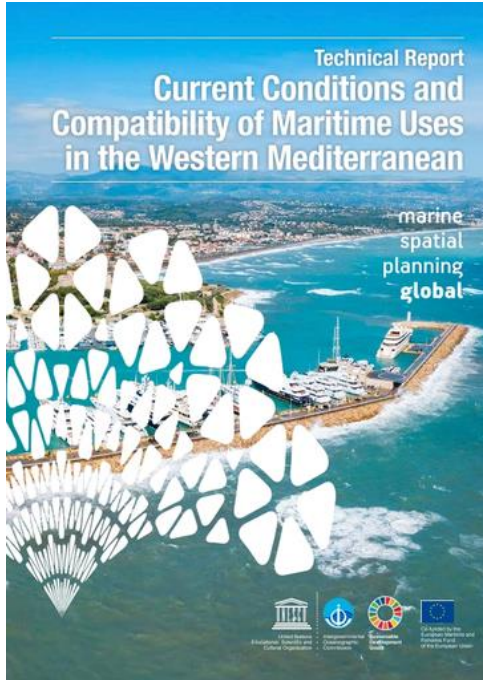
https://gfcmsitestorage.blob.core.windows.net/contents/SIPAM/AZA/AZA_Brochure.pdf

Challenges for the aquaculture development

- Lack of suitable sites for aquaculture development
- Insufficient technical skills and training
- Lack of coordination between different stakeholders
- Need for an improved regulatory framework
- Environmental concerns, climate change, water pollution and the spread of disease



<https://www.fao.org/3/i6043e/i6043e.pdf>



WHY IS MARITIME SPATIAL PLANNING IMPORTANT?

- Maritime spatial planning is a process that helps to balance competing uses of the sea, including aquaculture.
- It considers environmental, economic, and social factors to create a plan for sustainable ocean use.
- This can help to prevent conflicts and ensure that resources are used efficiently

Sustainable aquaculture as a driver for the Blue Economy



THE SOUTH-WESTERN MEDITERRANEAN

- The South-Western Mediterranean is a region with high potential for aquaculture. It has a favorable climate, abundant natural resources, and a long tradition of fishing.
- However, there are also challenges such as limited space and competition with other sea uses

**The Initiative for the sustainable development of the blue economy in the western
Mediterranean**

WESTMED
blue economy initiative

**An innovative cooperation instrument between nations, regions and
people of the western Mediterranean to facilitate the blue economy**

THEMATIQUES GROUPES



**Technical Group
Green Shipping
and Ports**



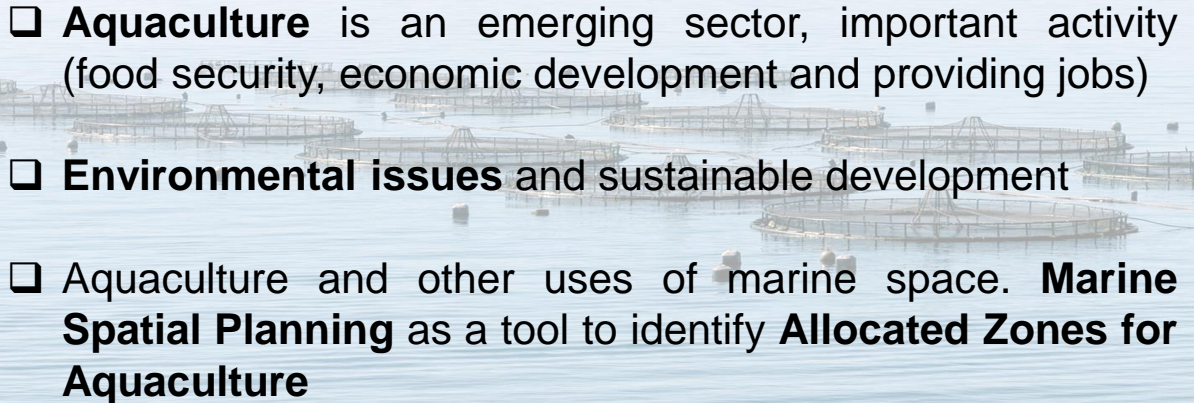
**Technical Group
Aquaculture**



**Maritime Clusters
Alliance**

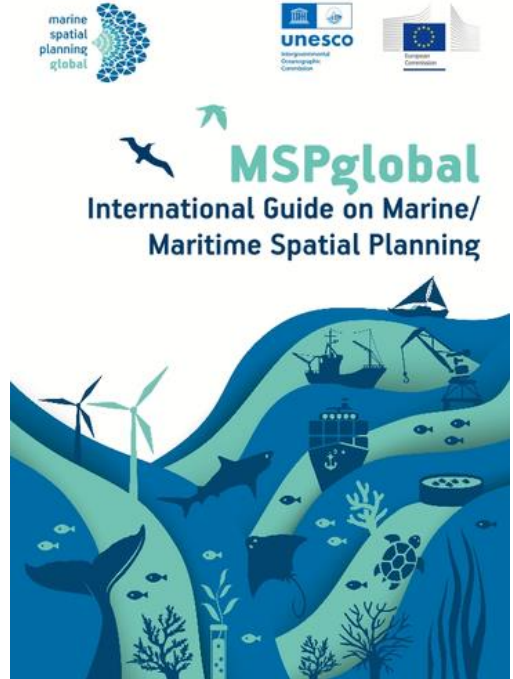


**Community of
Practice
Maritime Spatial
Planning**

- 
- ❑ **Aquaculture** is an emerging sector, important activity (food security, economic development and providing jobs)
 - ❑ **Environmental issues** and sustainable development
 - ❑ Aquaculture and other uses of marine space. **Marine Spatial Planning** as a tool to identify **Allocated Zones for Aquaculture**

MARITIME SPATIAL PLANNING FOR AQUACULTURE

- Maritime spatial planning can help to address the challenges of sustainable aquaculture by identifying suitable areas for development, managing competing sea uses, and ensuring that environmental impacts are minimized.
- It can also provide a framework for monitoring and evaluating the success of aquaculture projects.



Zone Allocation



<https://www.merialuesunnittelu.fi/en/>

- Optimizing the allocation of zones for aquaculture production can help address these challenges
- By identifying suitable areas for farming and implementing zoning regulations, the aquaculture can reduce environmental impacts, and minimize conflicts with other users

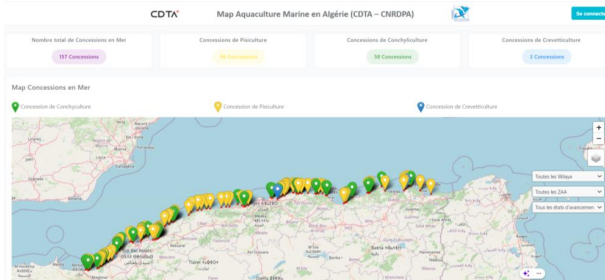
Zoning Regulations

- Zoning regulations can include criteria such as water quality, depth, and distance from shore...etc
- They can also take into account other factors such as biodiversity conservation and social impacts
- Zoning regulations should be based on scientific data and involve stakeholder participation



Case study : development of sustainable aquaculture practices in Algeria

GEOPTAIL OF THE MARINE AQUACULTURE



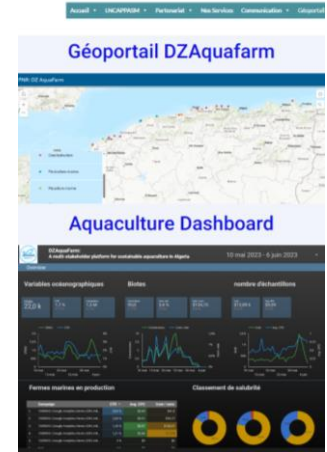
<http://aquamap-algerie.cdta.dz/>

**DZAQUAFARM:
MULTI-STAKEHOLDER PLATFORM
FOR SUSTAINABLE AQUACULTURE
IN ALGERIA**

**ENSURING FOOD
SECURITY IN ALGERIA
THROUGH
SUSTAINABLE
AQUACULTURE**



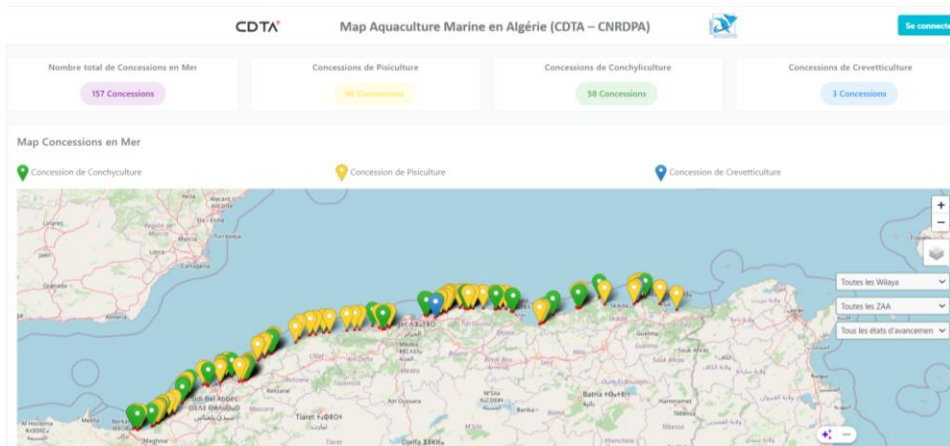
DZAquaFarm: multi-stakeholder platform for sustainable aquaculture in Algeria



<http://www.Incappasm.dz/geoportail/>

Aquaculture planning in coastal areas

- Improve knowledge of Andalusian maritime areas available for aquaculture
- Identify potential areas for aquaculture development in Andalusia Promote communication and coordination between the administrations concerned
- To help improve the administrative processes needed to launch aquaculture
- Facilitate access for promoters to aquaculture



Location of areas of interest in the open sea

STUDY AREA: Fringe of sea between the shore and 50 m depth.

MAPPED PARAMETERS: Uses, activities and occupations of the terrestrial maritime public domain showing interactions with aquaculture

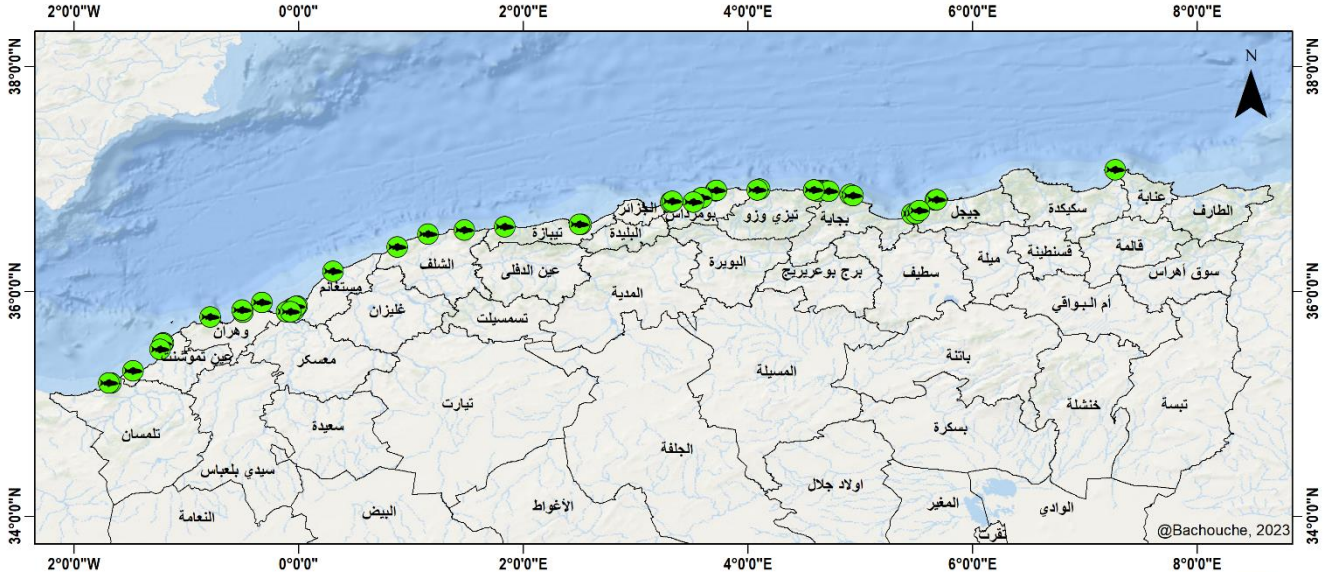
1) Mapping of existing facilities

- Ports
- Existing aquaculture activities
- Bathymetry and seabed typology
- Etc...

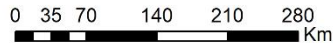
2) Analysis of possible uses and compatibility

- AMPs
- Port areas
- Tourist areas
- Fisheries area
- Areas of archaeological interest
- Military area
- Etc....

aquaculture site selection



Fermes marines en Algérie en production



Coordinate System: GCS WGS 1984
Datum: WGS 1984
Units: Degree





SOME

FUNDING PROGRAMS

EMFAF-2023-MSP call

Opening: 26 October 2023 until 27 February 2024

Budget : 4M EUR

Granting 2 to 3 projects

Relevance for Mediterranean

More info:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-search>

Interreg NEXT MED Programme announces upcoming first call for proposals: over €100 million in EU funding to tackle shared Mediterranean challenges



Interreg



Co-funded by
the European Union

NEXT MED



*Together for a better
Mediterranean region*

#everythingMEDpossible



More info:

<https://www.enicbmed.eu/interreg-next-med-programme-announces-upcoming-first-call-proposals-over-eu100-million-eu-funding>

14th UfM Working Group on Blue Economy 11 October, 2023 Barcelona, UfM Secretariat



MED-MSP-CoP

safety and security; cooperation at IMO, full decarbonisation by 2050 and the entry into force by 2025 of a Mediterranean Emission Control Area...)

Follow-up / capitalisation of ongoing actions (softer support)

- 5. **Acceleration of transformative innovation/diversification for smaller-scale Mediterranean ports**
 - Continue supporting stakeholders in the development of project ideas under existing funding opportunities
- 6. **Follow up, accompany and support the newly established Maritime Spatial Planning (MSP) multi-stakeholder and informal Community of Practice**
 - Support the identification, instruction and engagement of additional experts from the wider Med, facilitate discussions, report on advancements

CONCLUSION


- Maritime spatial planning provides a framework for balancing economic growth with environmental protection in the South-Western Mediterranean
- By embracing sustainable aquaculture practices and following best practices, we can create a thriving industry that supports the local economy and provides a reliable source of food
- Let's work together to chart a sustainable future for the Mediterranean Sea

Key documents



MED MSP CoP Call for experts

[Download](#)



MED MSP CoP Terms of reference

[Download](#)



MED MSP CoP 1st year action plan

[Download](#)



MORE INFORMATION



<https://westmed-initiative.ec.europa.eu/>



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**BLUE GROWTH
OPPORTUNITIES**

in the

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