



Food and Agriculture
Organization of the
United Nations



General Fisheries
Commission for
the Mediterranean



Moroccan Aquaculture – Sustainability & Development

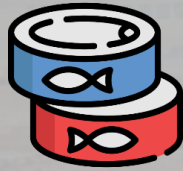
Moroccan Aquaculture Association (AMA)
[Housni CHADLI]

**Workshop - Aquaculture Practices in
the Mediterranean and Black Sea
Regions, 18 January 2024**



Morocco Key Figures

More than **80** Canned and semi-canned units



More than **400** valorisation and processing seafood units

More than **180** seafood freezing units



1st Producer of seafood products in Africa

136
Country

1st Exporter of sardine worldwide

2,5 Billion US \$
Seafood Exportation

Morocco is ranked among 20th fishing countries and 1st in MENA Region

Before 2009

No Aquaculture
development strategy

No local market

Lack of activity inputs

Investors left to their own devices

Several transversal laws

Several administrations



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Why talking about
fisheries ?





Wild fish
Availability

Restarting
with a new
approach

History lesson
learnt

Capitalization
of world
experiences

Sustainability
first

New vision Since 2011

2009 : Halieutis strategy

2011 : Dedicated Agency :
ANDA

Space Planification

Communication and sensibilization

Promotion

New law

Professional training

Academic Learning

Transparency

Investors Accompaniment

Pilot Farms

Pre-studied projects

Marine Spatial Planning : Allocated Zone for Aquaculture

- Geographic information system
- Satellite detection
- Scientific literature review
- Oceanographic campaign
- Technical statistical data
- Management plan

- International and national regulations
- Port infrastructure
- Military areas
- Marin protected habitats
- Nautical sports regulations
- Areas of tourist interest
- Fishing areas

- Currents: speed, direction
- Hydrodynamic modeling
- Wind
- Evaporation
- Precipitation
- Suspended matter
- Bathymetry
- Infrastructure
- Temperature

- Techno-economic evaluation
- Carrying capacity
- Environmental impact study

2 300

Km of coastline covered
65% of the Moroccan coastal area

24 000 Ha

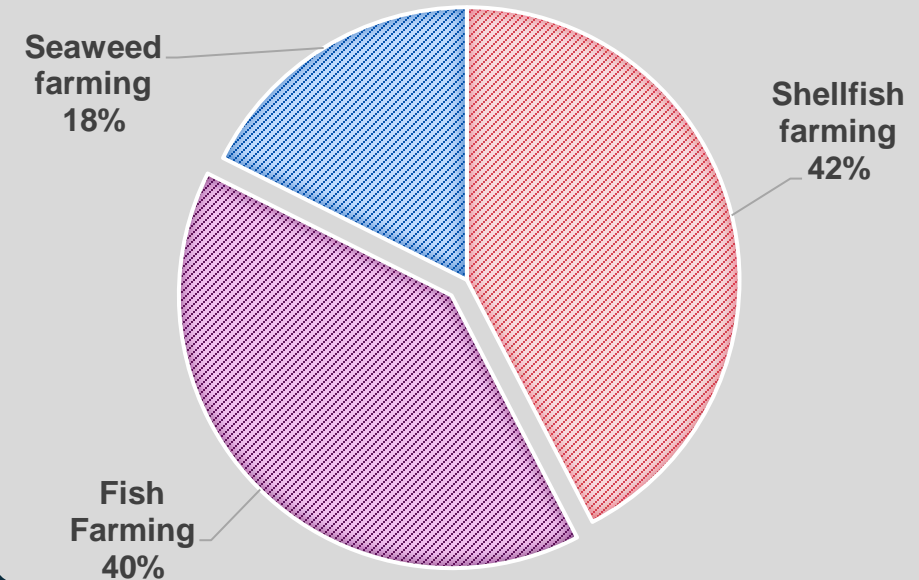
allocated zone for
aquaculture

1 500

units

For sustainable production

24 000 Ha For Aquaculture



Aquaculture management plans Approach

All stakeholders consulted

Species and production systems specified

Constraints and opportunities identified

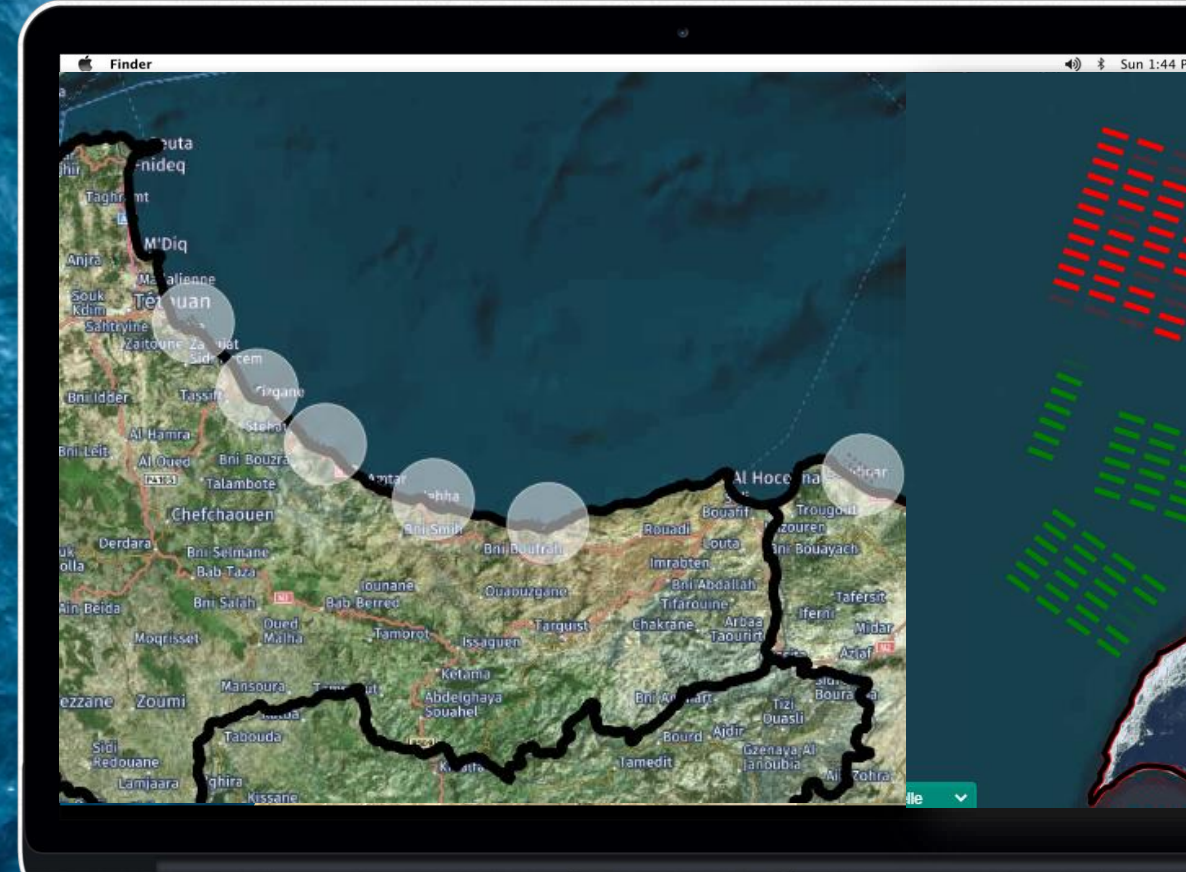
Carrying capacity estimated

Environmental impact study

Aquaculture Geoportal

Discover Moroccan
aquaculture potential on
our dedicated geoportal

An aquaculture **geo-portal** implemented for **activity management**
& provide investors with easy access to project **follow-up**,
investment opportunities, and **technical information**.

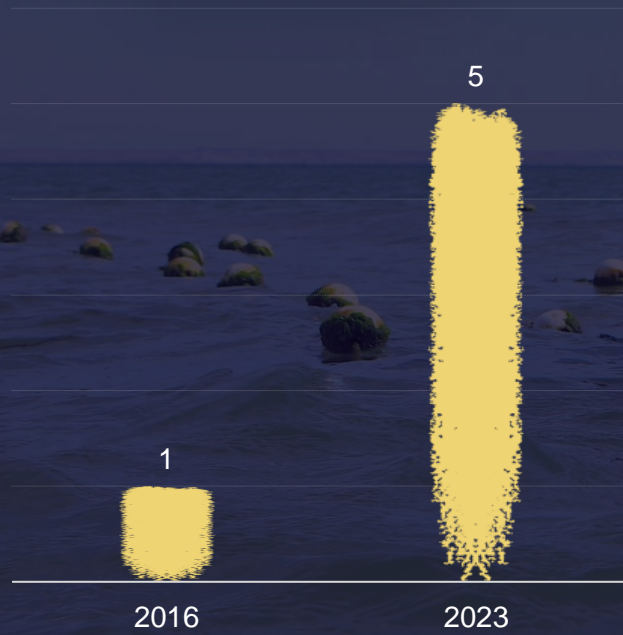


geoportail.anda.gov.ma

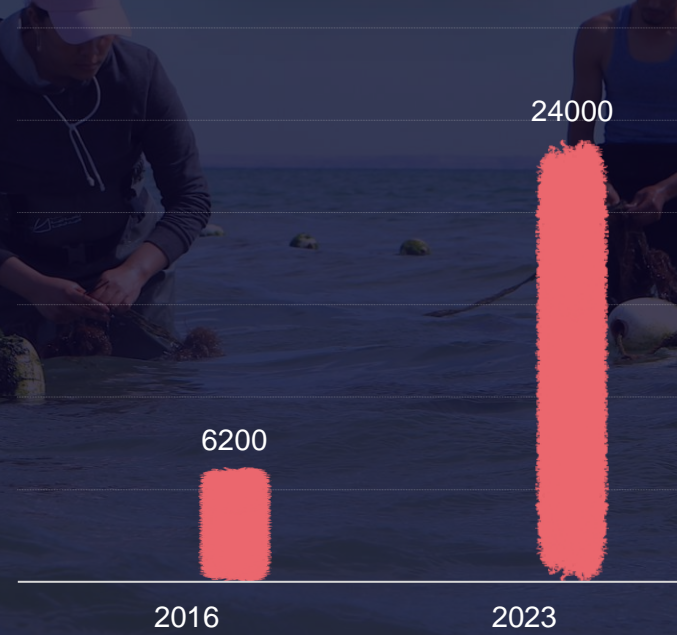


2023 : Successful restart

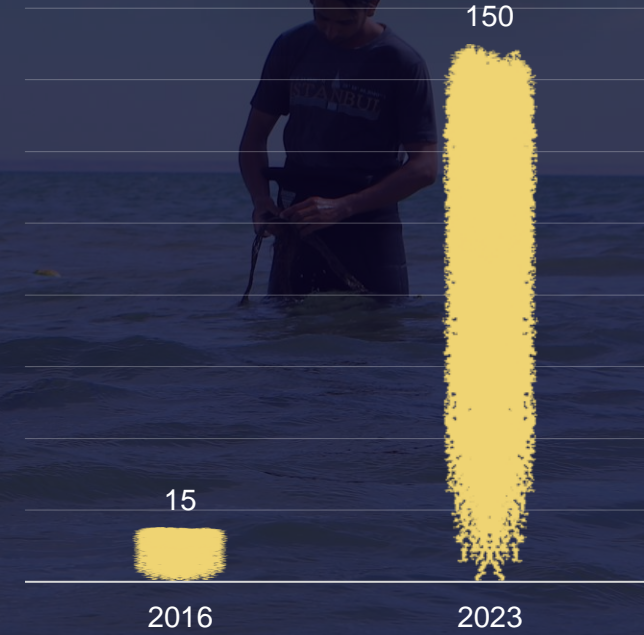
Aquaculture Plans



Allocated Zone (Ha)



Aquaculture Farms



The New aquaculture Law No. 84.21 (2023)



Sustainability

The law incorporates for **marine planning** as a methodology for promoting sustainable aquaculture development.

Investment

The law encourages Investment and provides **facilities in administrative procedures** for the allocation of aquaculture concessions through calls for expression of interest.

Social

The law encourages the development of **small-scale and social aquaculture project** together with the enhancement of training and experience acquirement.

Technical assistance

The law provides for **aquaculture council**, as a powerful advisory to provide recommendations for aquaculture development.

Innovation

The law encourages the promotion of a **new generation of aquaculture** products such as cosmetics, pharmaceuticals, biofuel and animal feeds.

Best Aquaculture Practices

The law promotes the adoption of aquaculture **good practices** for farm management and sector activities.

New Investment Charter

Target : New project

1. Investment up to **5 Millions \$** & the creation of 50 to 149 Jobs
- OR
2. Creation of more than **150 Jobs**

In 2023, Morocco embraced a **new Investment Charter** aiming to enhance the business climate, facilitate investment procedures and increase the contribution of both domestic and foreign private investment.

The new Investment Charter includes a support system dedicated for strategic projects, along with three additional specific support systems.

Common investment Bonus

The projects that are eligible to the investment charter benefit from an investment bonus according to the following ratios

5 – 10 % Creation of stable jobs

3 % Gender ratio ≥ 30 %

3 % Industries of the future

3 % Sustainable investment project

3 % Local integration projects

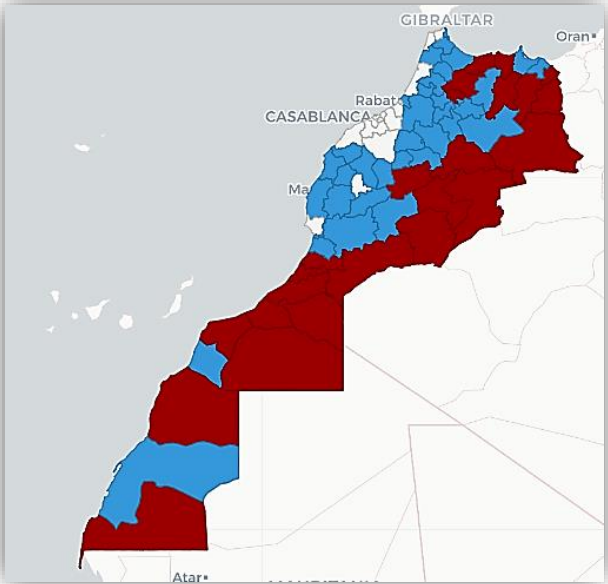
Territorial Bonus

To encourage investment in the various regions of Morocco, a territorial bonus varying between 10% & 15% is granted

Category A **10%**

60 Provinces benefit from a territorial bonus

15% Category B



Sector Bonus

Projects carried out in priority sectors benefit from a 5% sectoral bonus

Industry

Aquaculture

Outsourcing

Tourism & leisure

Logistics & Transportations

Transformation and valorization of waste

Renewable energy

Digital

Bonus can be combined and must not exceed 30% of the Eligible Investment

Hatchery

Fish farming Hatchery

The first Marine Hatchery to boost the Moroccan Aquaculture Sector

Morocco's Minister of Agriculture and Maritime Fisheries, inaugurated the construction work of the country's first fish farming hatchery last Tuesday.

The project aims to produce **up to 30 Million high-quality fry** of **sea bream, sea bass, meager**, and other species of interest to national aquaculture farms.

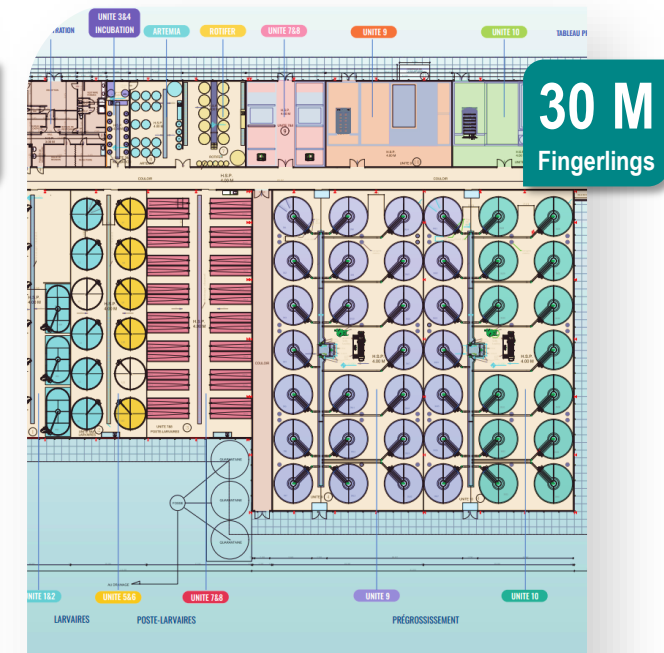
Tangier – Tetouan – Al Hoceima
Region



12
Millions \$

Spanning an area of **2.28 hectares**

Total Investment : **12.3 Million \$**



Up to **30 Million** high-quality fry of
sea bream, sea bass, meager

Fish Feed

Fish Feed Factory

First Modern Fish Feed Factory started its work on 2023

A modern fish feed production plant is now operational in Morocco, a structuring investment to support the sector's development and meet the growing needs of aquaculture farms.

The new plant currently supplies Moroccan fish farms and exports to Africa Fish Feed Market.

Others Plant for fish feed will be operational on 2024

Rabat - Salé - Kénitra
Region



First Moroccan fish Feed Factory to meet the growing demand from Moroccan aquaculture farmers.



The plant is producing fish feed for marine & continental species,

Challenges



Climate Change and its
consequences

Temperature, Storms, Pathologies...

Mediterranean coast urgency

Fishermen integration, Release of
juveniles

Adapted Financial Products

Bank implication, Insurances...

International Cooperation

Experiences Exchange
R&D



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