

SEAMInd Project

Monitoring and Indicators to Support the National Ocean Strategy (NOS) considering a Sustainable Development Perspective

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3th June 2015

Índex:

NOS 2013-2020: Strategic Monitoring Framework



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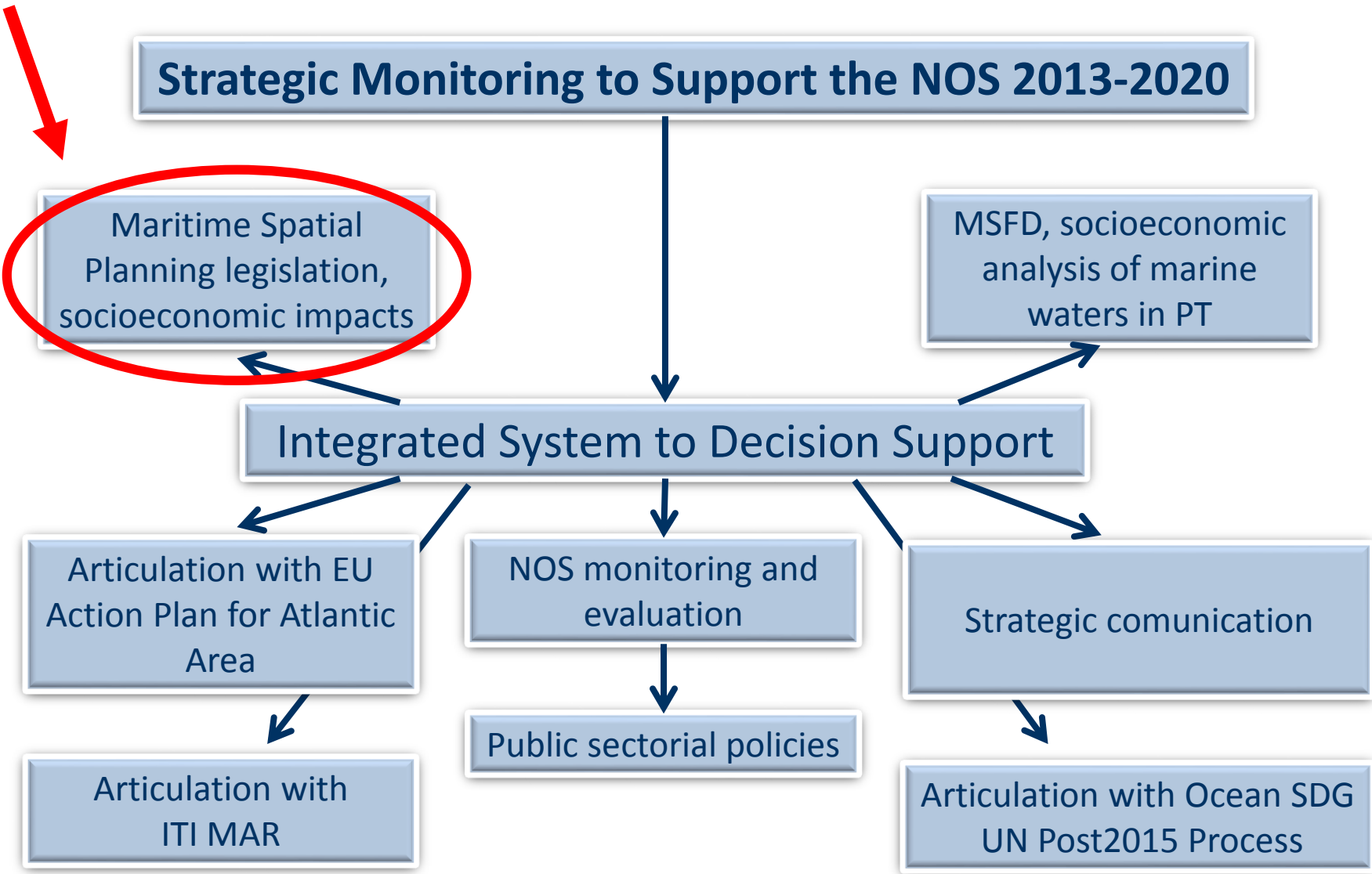


NOS 2013-2020: Strategic Monitoring Framework



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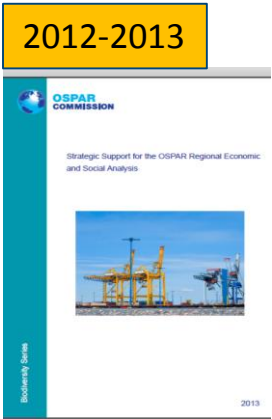


October 2012 e 2014 (AR)



MSFD – Initial reports
Chapter – Socioeconomic analysis

2012-2013



OSPAR
*Strategic Support for the
OSPAR Regional Economic and
Social Analysis*

**Socio-economic analysis
- THE WORK DONE -**

December 2012

October 2011



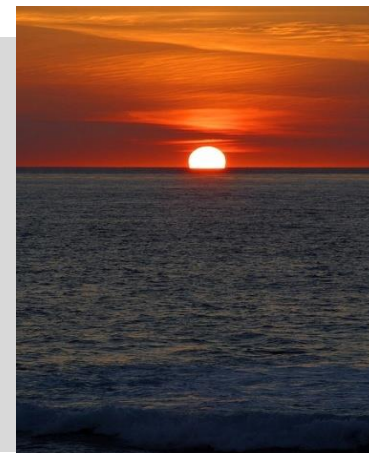
MSP Exercise
Chapter 3 – Activities, Uses and
Functions Characterization
Chapter 4 – Economy



NOS 2013 - 2020
Report “Ocean Economy in Portugal” (Dec 2012)
Annex A of NOS (Nov 2013)

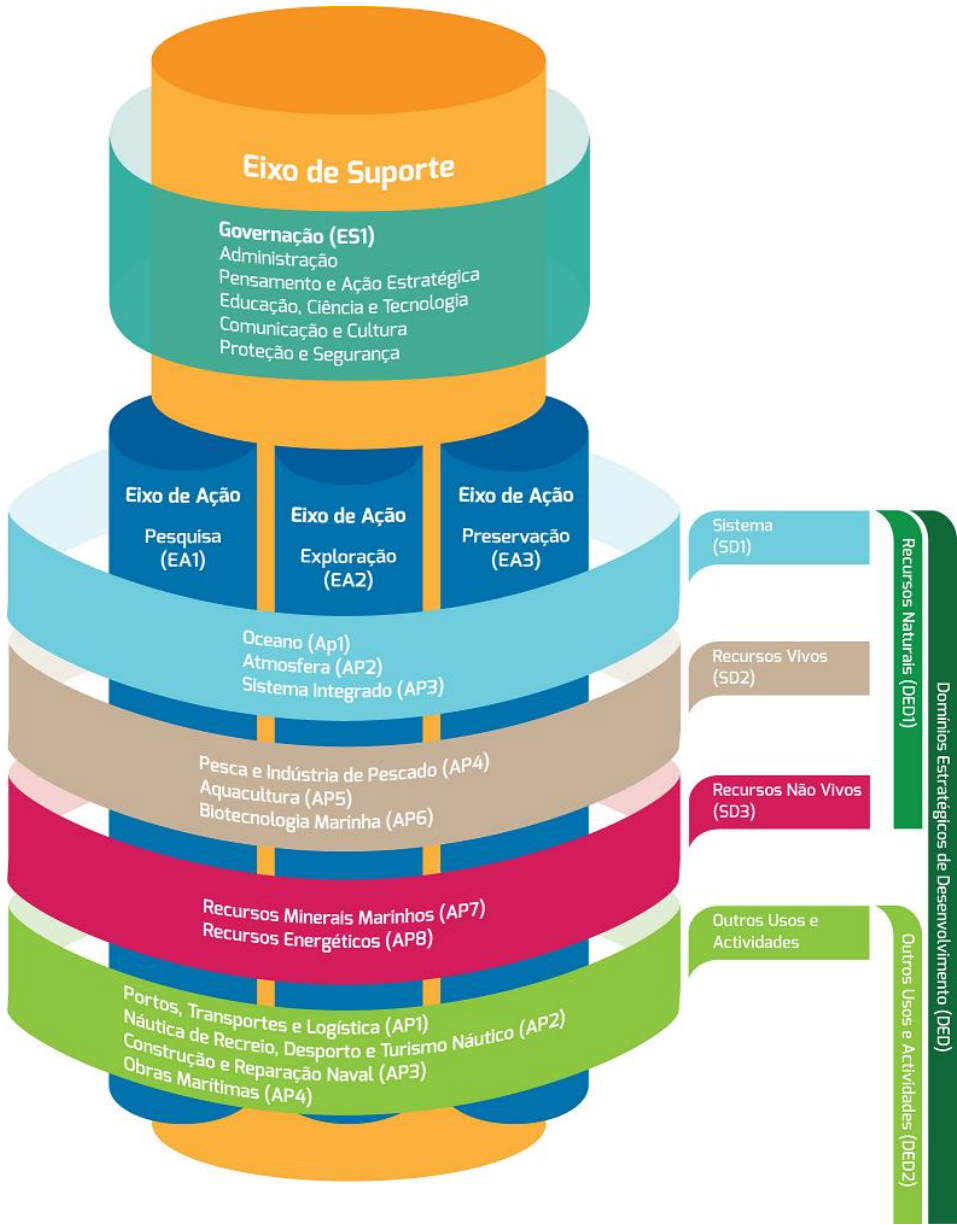
Development Model

The NOS 2013-2020 proposes a sustainable development model that is based on the Ocean, in articulation with the coastal zone, grounded on knowledge, which guarantee that Portugal faces the challenges imposed by that growth, competitiveness of the ocean economy and its promotion.



This model is in parallel with:

- The Blue Growth model in the context of the Integrated Maritime Policy of the EU, which is considered the maritime contribution to achieve the goals established by European Strategy 2020
- The *green growth* discussed in Rio + 20 (August 2012) and expressed in the respective Declaration *The Future We Want*. Aligned with the Sustainable Development Goals ongoing discussion for the drafting of the UN Pós-2015 Agenda



“Mar-Portugal Plan”
(Action Plan of NOS)

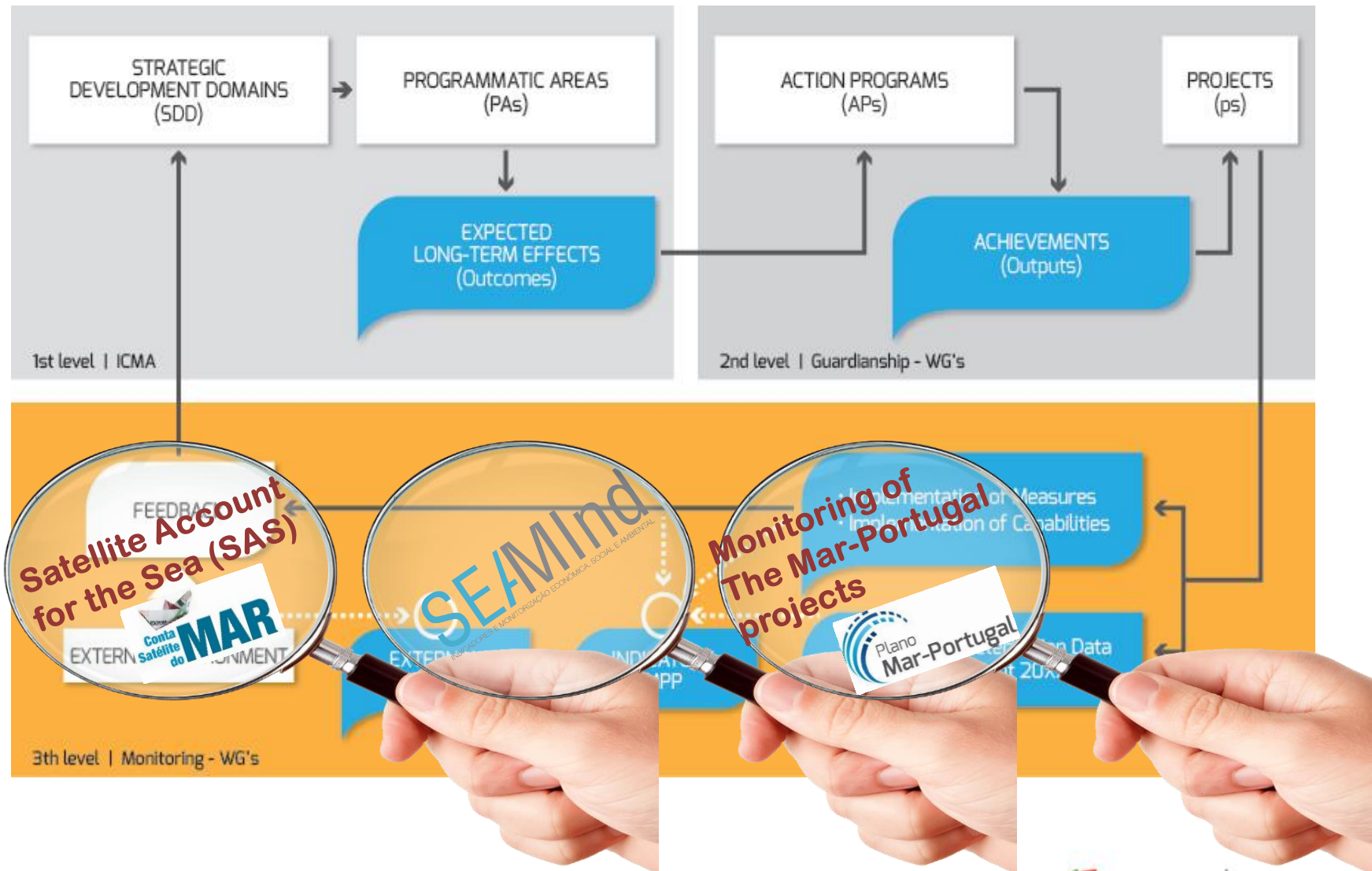
Support Axis
Governance (crosscutting)

Administration
Strategic Planning and Action
Education, Science and Technology
Culture and Communication
Safeguard and Protection

3 x Action Axes
(Exploration, Exploitation, Preservation)
12 x Programme Areas:

Ocean
Atmosphere
Integrated System
Fisheries and Fish Processing Industry
Aquaculture
Marine Biotechnology
Marine Mineral Resources
Marine Energy Resources
Shipping, Ports and Logistics
Naval Shipbuilding
Nautical Leisure, Sports and Tourism
Coastal Engineering and Construction

The follow-up and monitoring of the NOS 2013-2020



NOS 2013-2020: Strategic Monitoring Framework



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INDICADORES E MONITORIZAÇÃO ECONÓMICA, SOCIAL E AMBIENTAL

OBJECTIVE

Implement a restricted number of relevant indicators to check the NOS 2013-2020 results, considering a sustainable development perspective.

Typology of Potential Clients

- **Inter-ministerial Commission for the Maritime Affairs** – global and sectorial view
- **Authorities/ministeries** – sectorial view, economic sectors and environmental issues for which are responsible
- **Entities responsible for public projects and instruments** – data for Maritime Spatial Planning, Marine Strategy Framework Directive, OSPAR, European Environmental Agency (EIONET), Integrated Maritime Policy – *Blue Growth* in the Atlântic, *Smart Cities and Communities*
- **Private sector** – background information, national comercial ports, financial institutions, companies involved in *Blue Growth*
- **Public in general** – strategic communication in support of Ocean policies

Marine waters

Terrestrial area

NOS 2013-2020

Ocean Economy Chain value

MSFD in PT

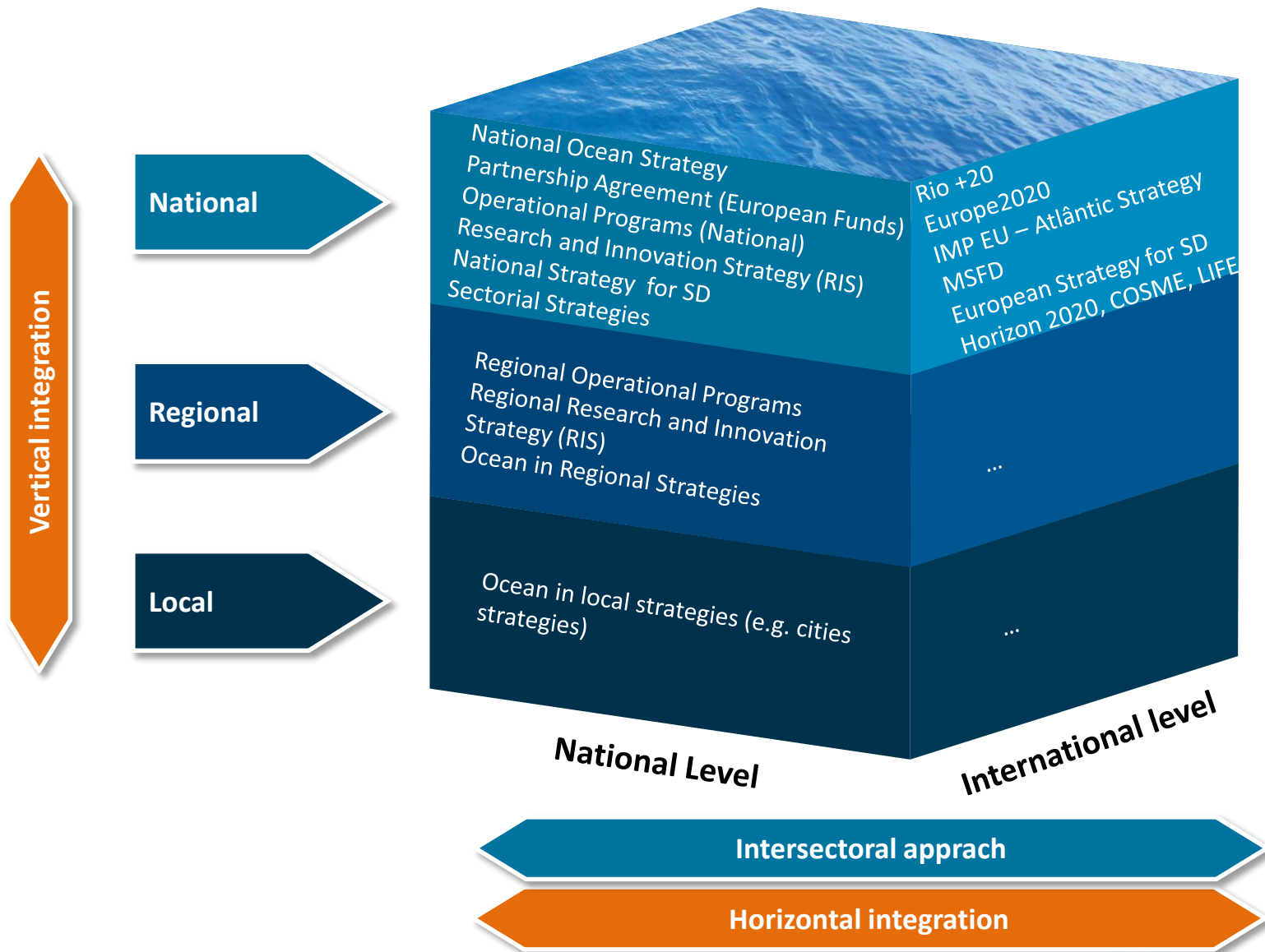
MSP in PT

Extended
Continental
Platform

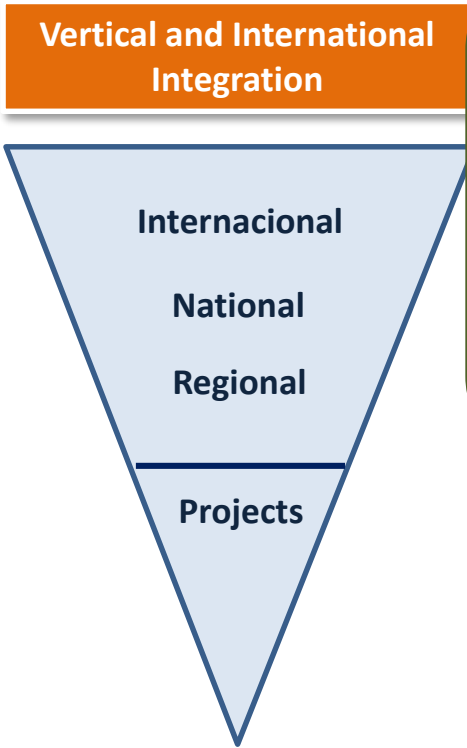
EEZ

Terr.
waters

Levels of policies coordination



Strategic Monitoring



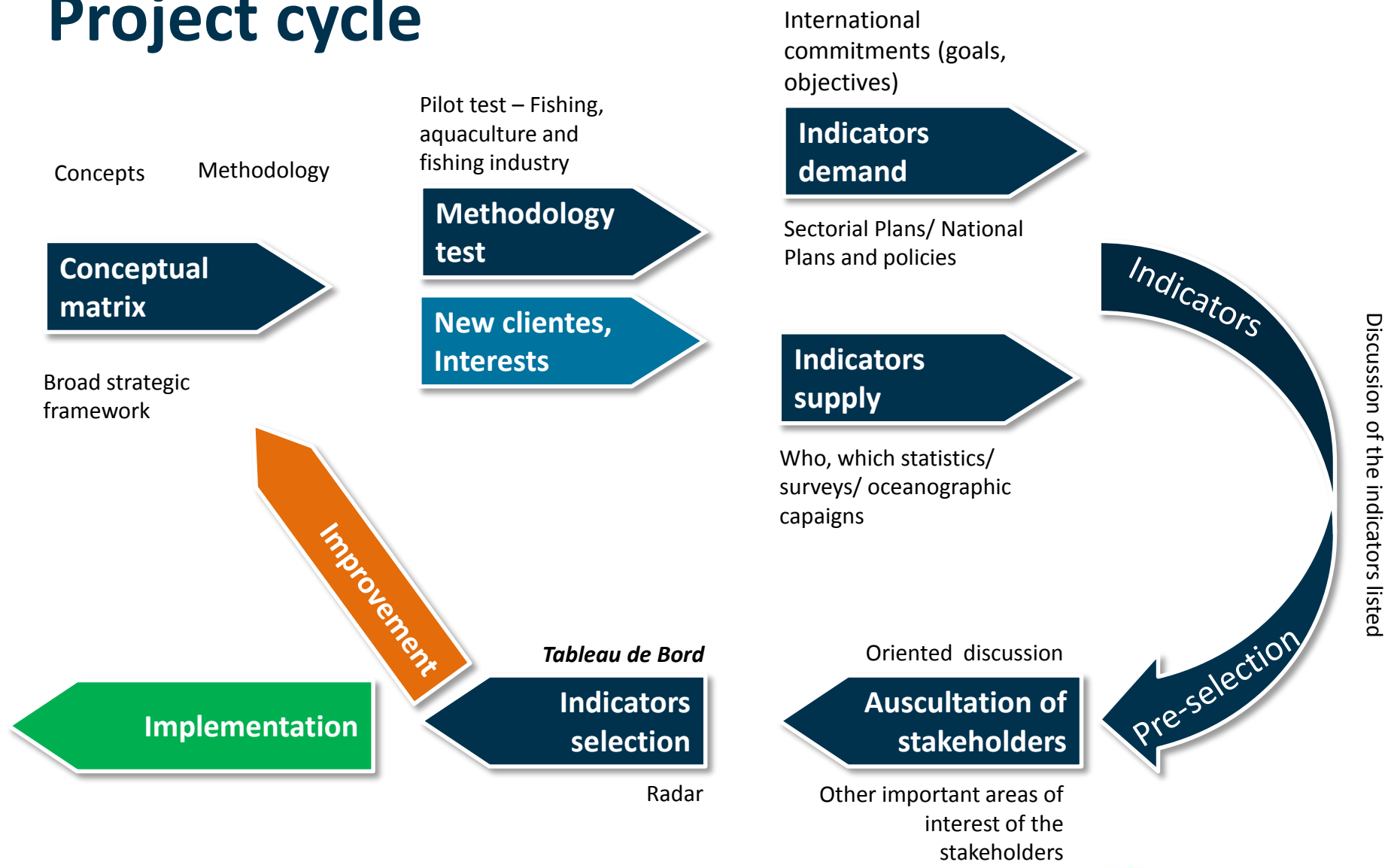
Monitoring indicators	Operational Programs	NOS 2013 - 2020	IMP Atlantic Action Plan
Impact indicators	Priorities	Strategic objectives	Objectives
Result indicators		Objectives of the Action Programs	
		Effects	Specific Objectives
Result and Output indicadores	Projects	Projects monitoring Mar-Portugal Plan	(Atlantic Projects)
Financial indicators	Expenses		



Calendar of monitoring reports

	2012	2013	2014	2015	2016	2017	2018	2019	2020
NOS 2013-2020			Annual report (DGPM)	Annual report	Annual report	Annual report	Annual report	Annual report	Annual report
MSFD	Initial Assessment (MS)						2sd cycle Initial Assessment (MS)		
MSP national legislation							Report each 3 years (Government)		
SDG (Post-2015 UN Process)				TBD					
National Compromise for Green Growth - Ocean Pillar					Annual assessment	Annual assessment	Annual assessment	Annual assessment	Annual assessment
Atlantic Action Plan (EU)						Mid-term review (Comission)			

Project cycle



SEAMInd

❖ Which international commitments?



- RIO +20
- Europe 2020
- IMP – Atlantic Action Plan
- MSFD
- Others (sectorial)

❖ Which national strategies and policies?



- RIS 3 (nacional)
- National Strategy for Sustainable Development
- Operational Programmes
- Others (sectorial)

❖ Which geographic scale?



- National
- Regional (NUT II) or others for specific purposes

❖ Which temporal scale?



- Annual (n-1), 2006 first year

❖ Which criteria for indicators selection?



- Policy relevance (Strategic Obj./LT)
- Analytical soundness
- Measurability
- Communication
- Based on credible and continuing statistics, available with adequate disaggregation

Deliverables

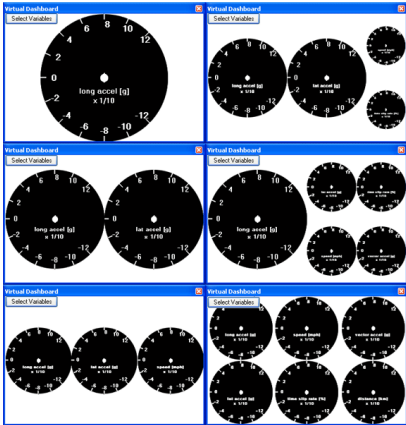
Strategic objectives

Programatic Areas Objectives

Dash Board



Radar



Control Panel

Periodic reports

Pilot test - Fishing, Aquaculture and Fishing Industry

Objective: to test the methodology

Coordination: DGPM

Team: INE, DOCAPESCA, DGRM, IPMA

Shipping, Ports and Logistics

Example of articulation PORTOPIA - Ports Observatory for Performance Indicator Analysis

Participants: e.g. Universities; European Seaports Organisation; companies;...
National participant – Glintt Inov



Take stock

Research and Innovation

Work with FCT – National RIS 3
Ocean economy is one of the themes of National Strategy for Research and Innovation for an Intelligent Specialization

Ocean/Atmosphere and Integrated System

Objective: to test the methodology

Coordination: DGPM

Team: INE, DGRM, IPMA, ...

An exercise of articulation - activities

NOS 2013 – 2020 Monitoring domains	MSFD	MSP Situation Plan
Fisheries, Aquaculture and Fish Processing Industry	Fisheries Aquaculture (Fish Processing Industry) (Algae and other products collecting for food)	Aquaculture and fisheries, when associated to an infrastructure built for that purpose

An exercise of articulation - activities

Aquaculture	NOS 2013 – 2020 Monitoring domains	MSFD	MSP Situation Plan
Geographic scale	<p>National and regional (NUT II)</p> <p>Others depending of vertical articulation</p>	National or others namely related with negative impacts in marine waters	NUT II
Activities considered	Aquaculture located in marine waters, but also aquaculture in fresh and brackish waters (industry chain value)	<p>Aquaculture in marine waters</p> <p>Desegregation by product or production regime</p>	

An exercise of articulation - indicators

Nº	Selection of SEAMInd Fisheries, Aquaculture and Processing Industry indicators	Source of data	Indicators relevance for MSP evaluation
94	Turnover	INE – SCIE	Very relevant
95	Production (in value)	INE – SCIE	Very relevant
96	Production (quantity)	DGRM	Very relevant
99	Financing Support in building capacity	PROMAR; OP M 2020	Very relevant
OEM-1	Area occupied by research projects		Very relevant
110	Number of aquaculture establishments	DGRM	Very relevant
111	Area of potential aquaculture production	DGRM	Very relevant
OEM-2	Licensed area of aquaculture		Very relevant
114	Área made available for aquaculture (turnkey área)	DGRM	Very relevant
123	Ratio Licensed area / Area of potential production	DGRM	Very relevant

**ENVIRONMENTAL INDICATORS IN NOS MONITORING DOMAIN
"OCEAN, ATMOSPHERE AND INTEGRATED SYSTEM"
IN WHICH MSFD DESCRIPTORS OR GOOD STATUS ARE CONSIDERED**

An exercise of articulation – disaggregation

Socioeconomic indicators – NACE desagregation

L 393/8

EN

Official Journal of the European Union

30.12.2006

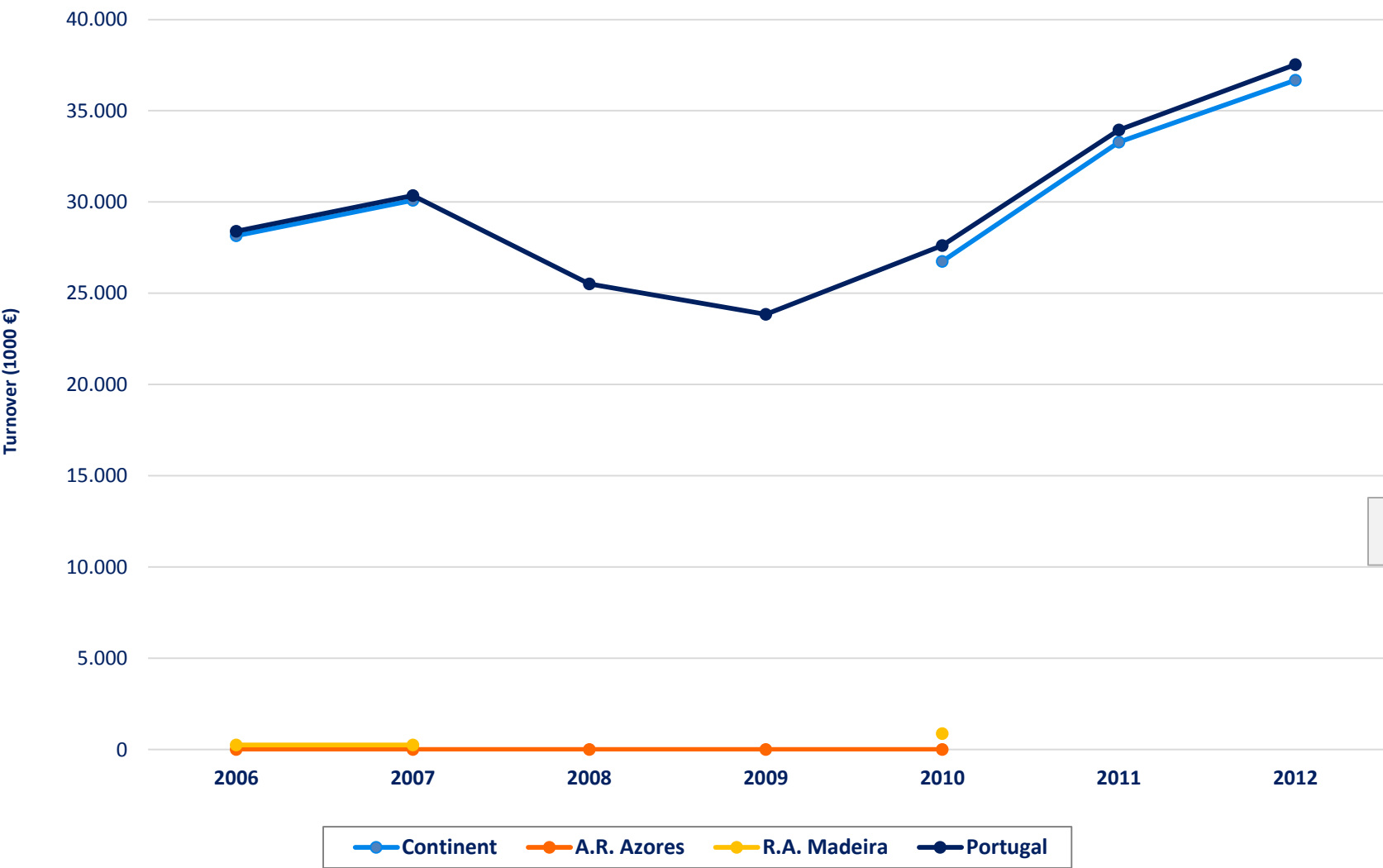
n.e.c. : not elsewhere classified				* part of
Division	Group	Class		ISIC Rev. 4
03	02.4	02.40	Support services to forestry	0240
			Support services to forestry	
	03.1		Fishing and aquaculture	
			Fishing	
		03.11	Marine fishing	0311
		03.12	Freshwater fishing	0312
	03.2		Aquaculture	
		03.21	Marine aquaculture	0321
		03.22	Freshwater aquaculture	0322

An exercise of articulation – disaggregation

Other indicators in official statistics

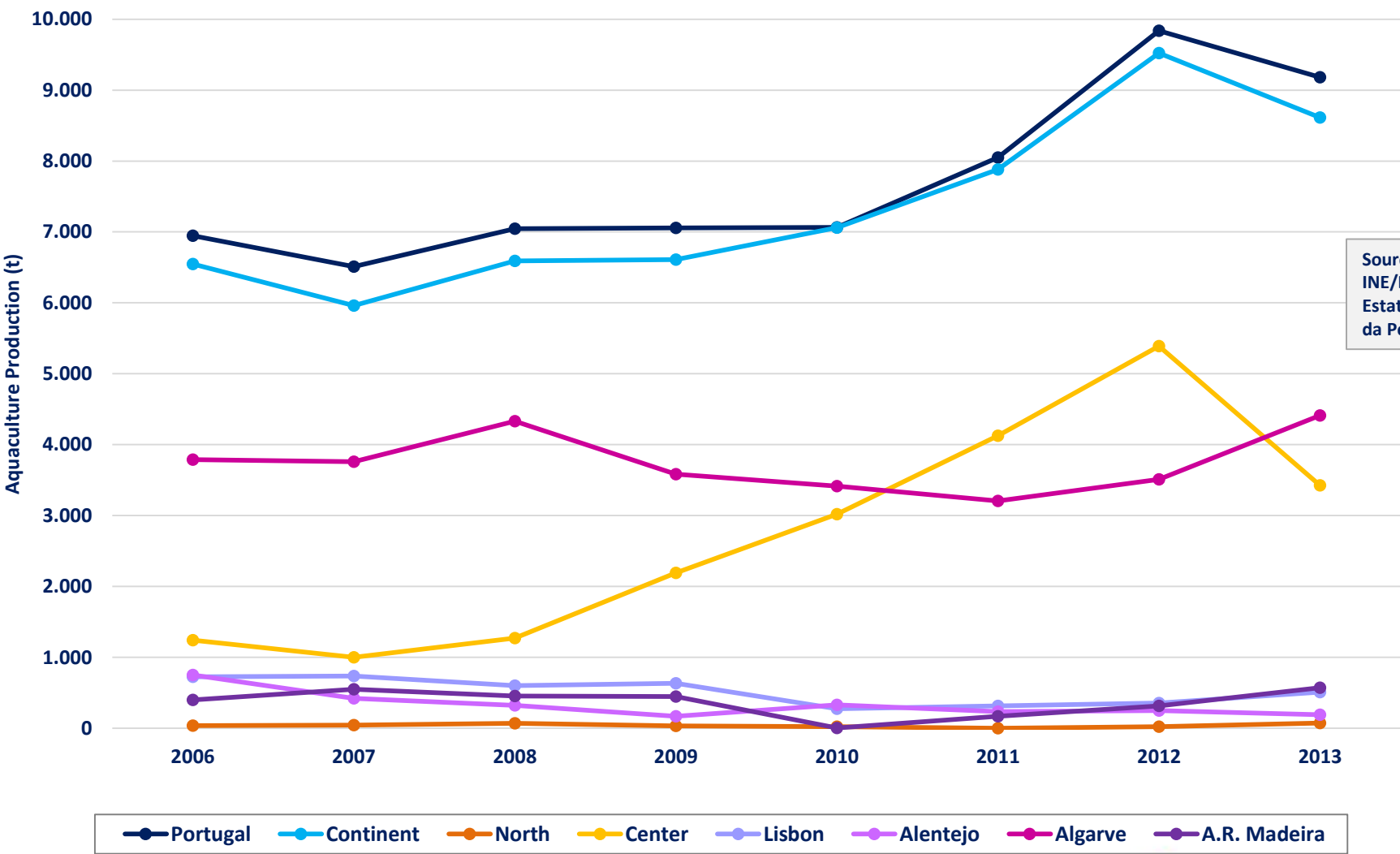
Production (ton, €)	By NUT II		
	By NUT II	And by freshwater or brackish + salt waters	
	By NUT II	And by freshwater or brackish + salt waters	And by exploitation regime
	By fish or molluscs + crustaceans		
	By fish or molluscs + crustaceans	And by species	
Establishments (nº , area)	By freshwater or brackish + salt waters		
	By freshwater or brackish + salt waters	Type of establishment or regime of exploitation	

INDICATOR – Turnover (1000 €) of companies in Aquaculture

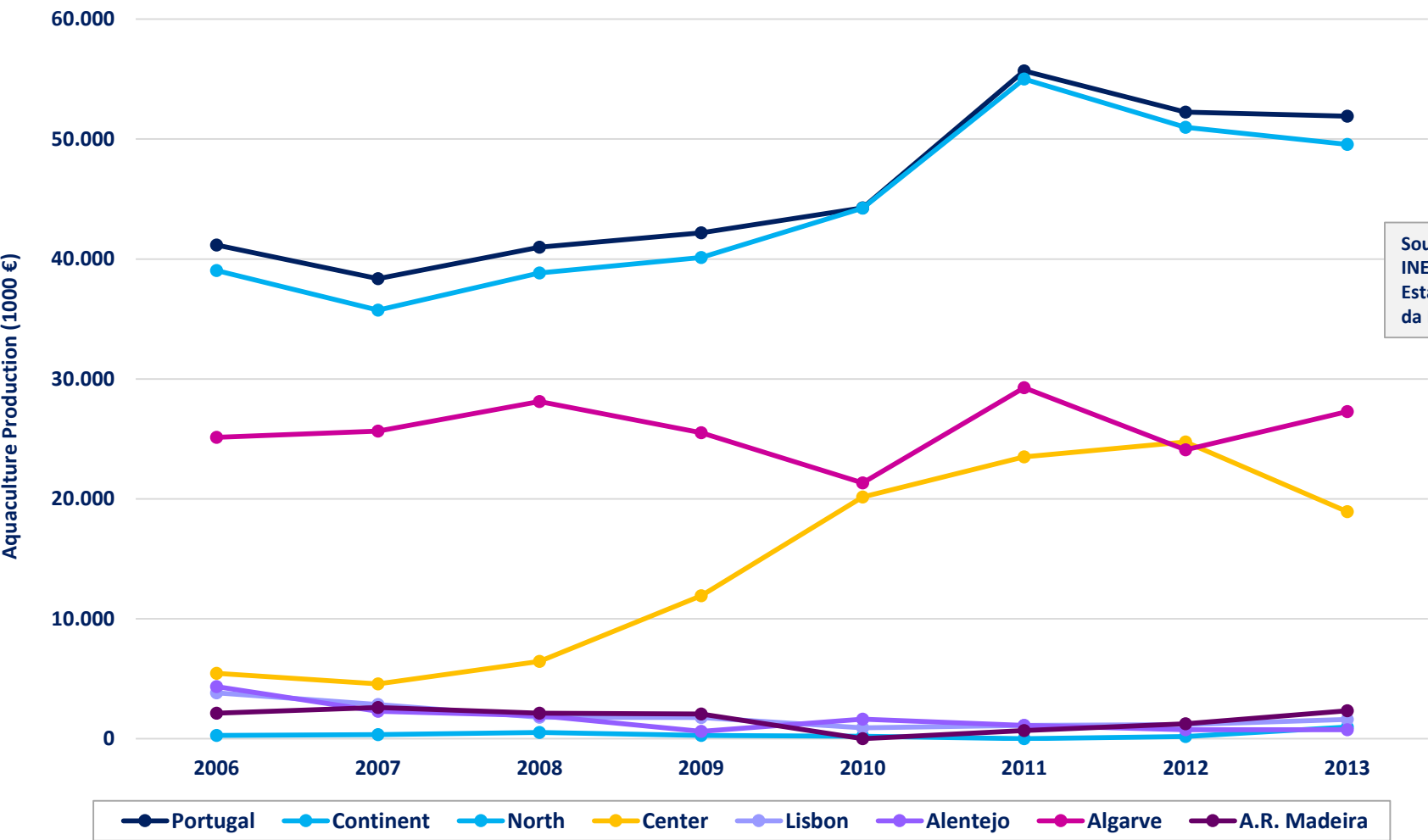


Source:
INE-SCIE

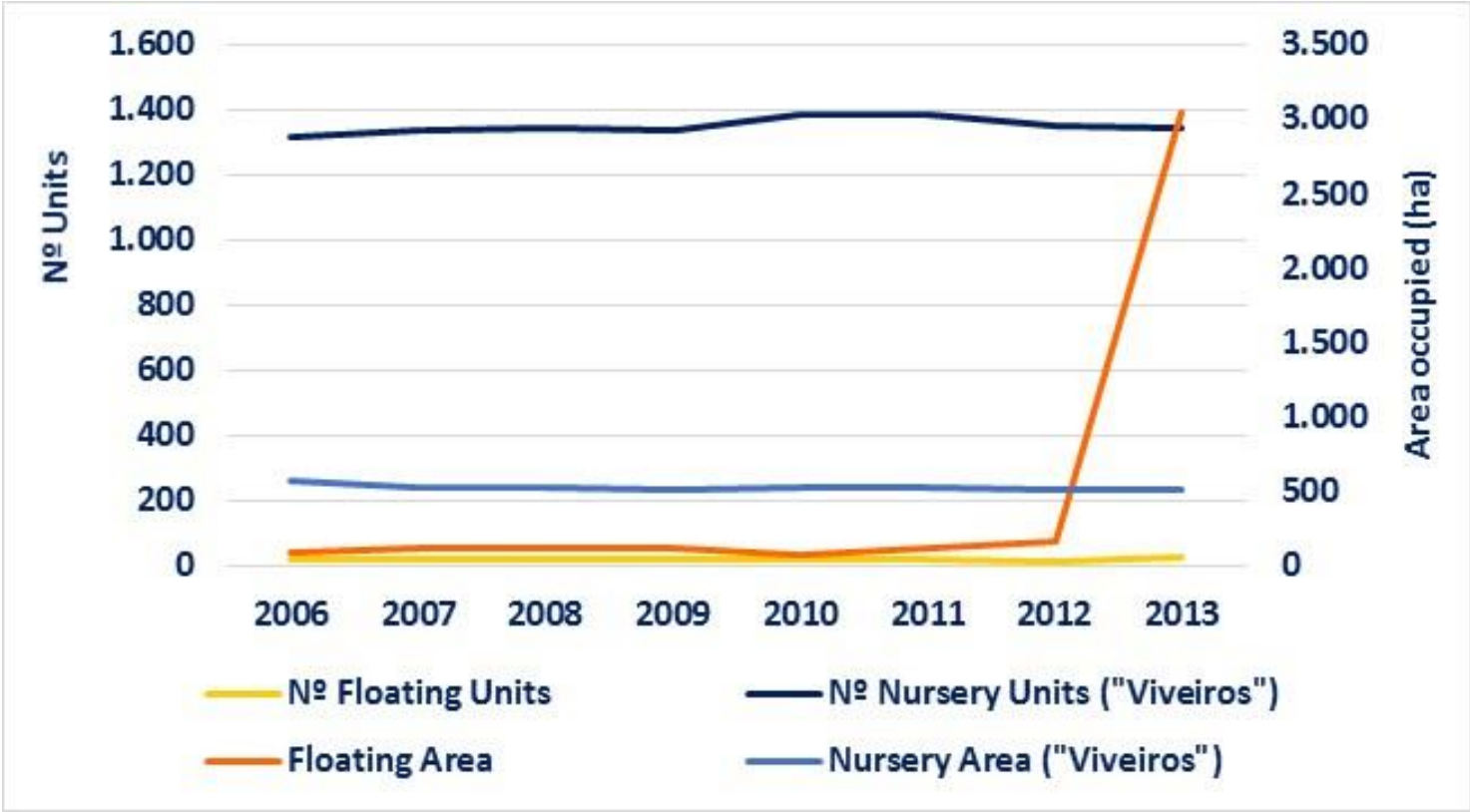
INDICATOR – Sea and Brackish Waters Aquaculture Production (t) by NUT II region



INDICATOR – Sea and Brackish Waters Aquaculture Production (1000€) by NUT II region



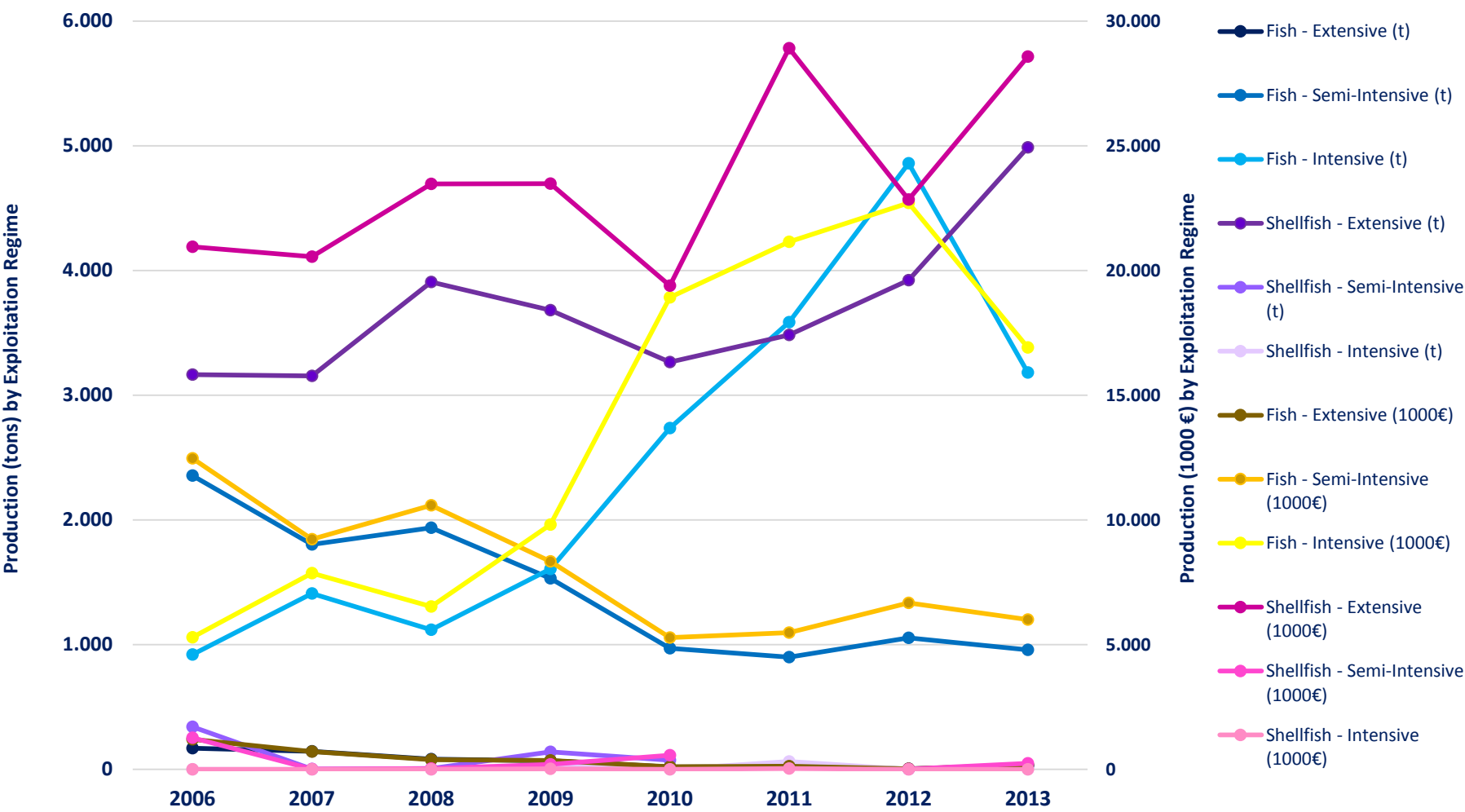
INDICATOR – Number and Area occupied by active Aquaculture Units of fish and shellfish farming (Sea and Brackish Waters)



Source:
INE/DGRM,
Estatísticas
da Pesca

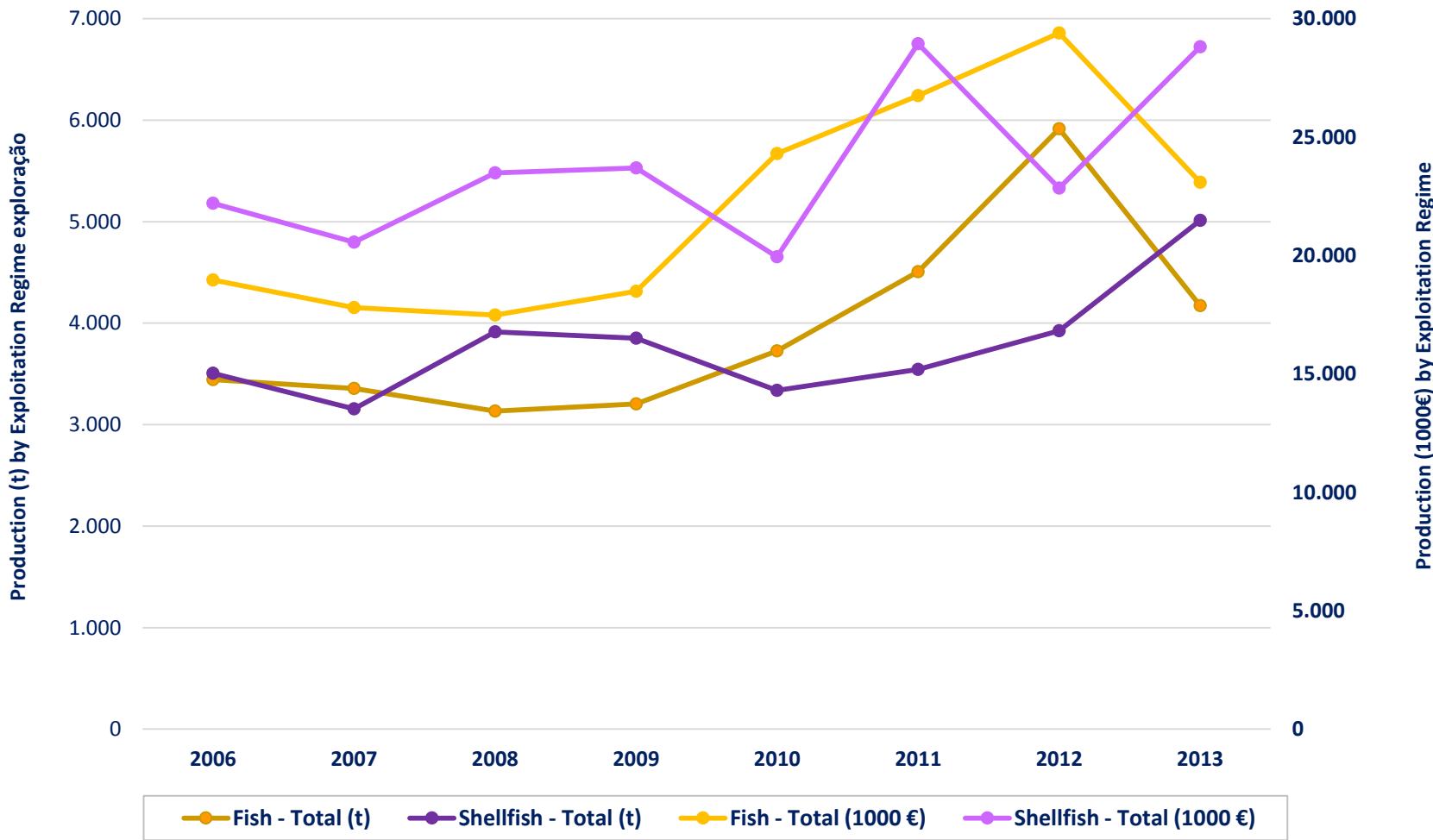
INDICATOR – Sea and Brackish Waters

Aquaculture Production by Species and by Exploitation Regime



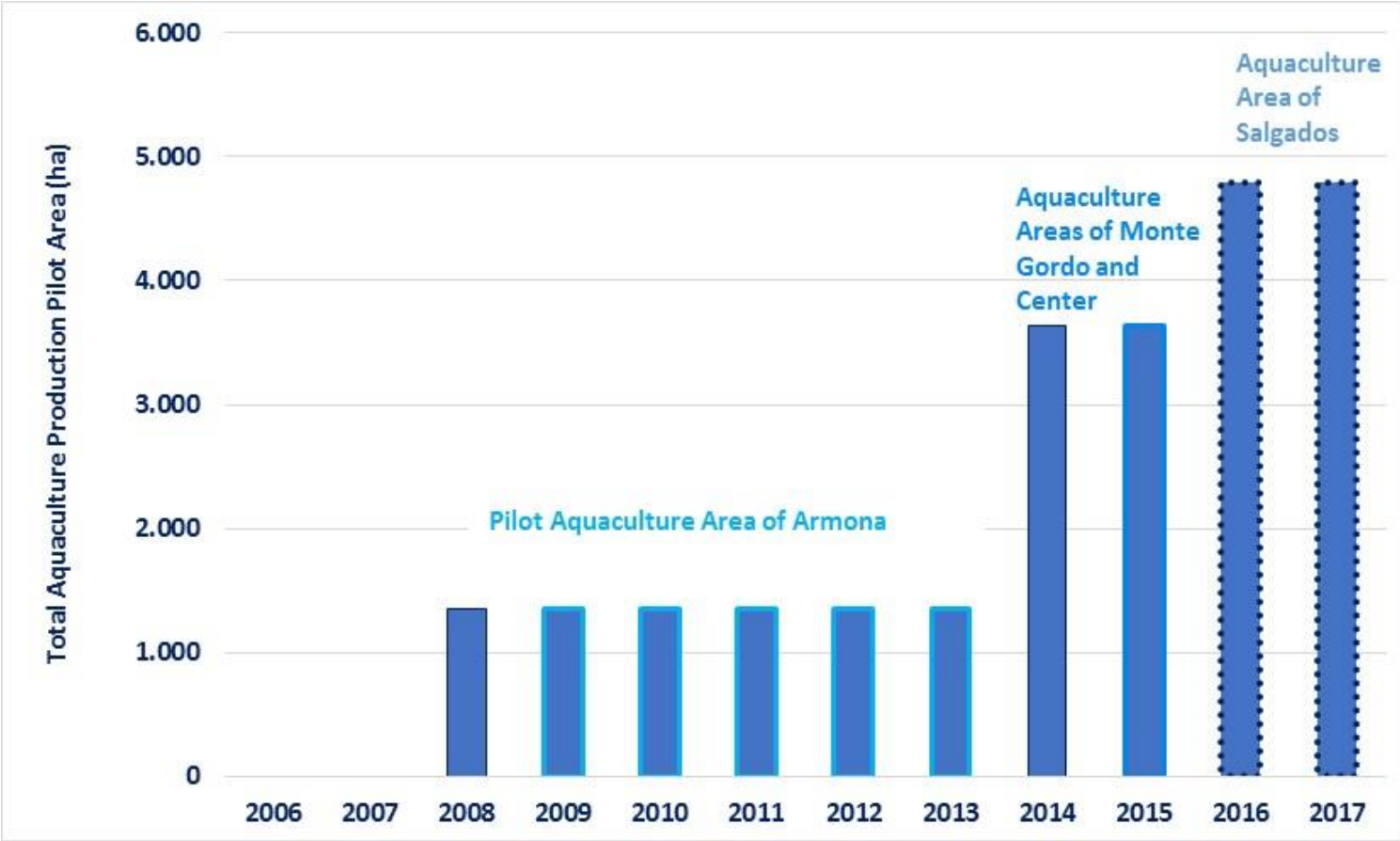
Source: INE/DGRM, Estatísticas da Pesca

INDICATOR – Sea and Brackish Waters Aquaculture Production



Source: INE/DGRM, Estatísticas da Pesca

INDICATOR – Aquaculture Production Area (APA)



Source: DGPM

THANK YOU

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