



# **PORTWIMS H2020 SUMMER SCHOOL BLUE GROWTH, INNOVATION & ENTREPRENEURSHIP**

**Lisbon, 20<sup>th</sup> to 24<sup>th</sup> June 2022**

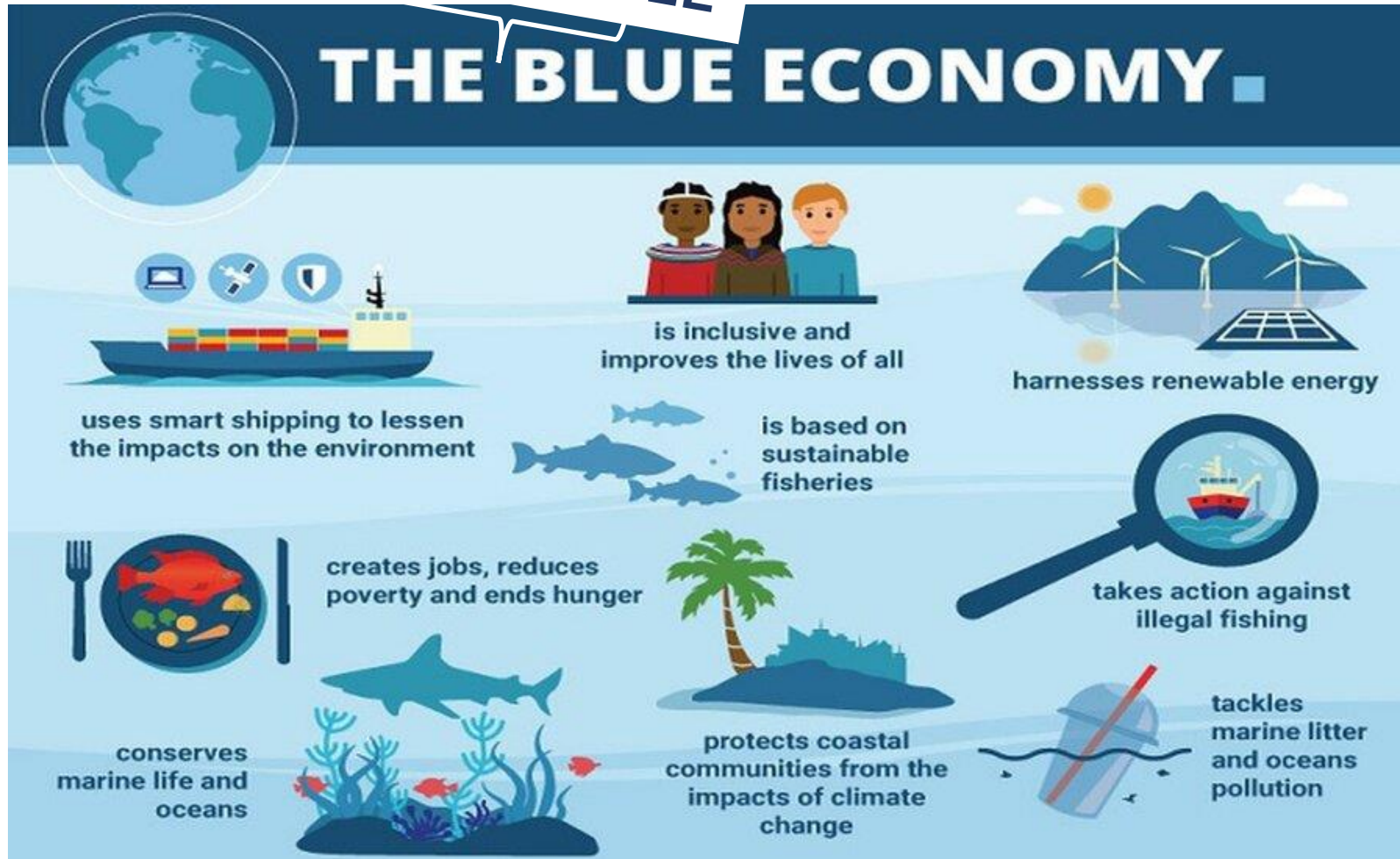
## **Ocean Economy in 2030 & Blue Growth**



This project received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n° 810139

# The Ocean Economy we aim for

SUSTAINABLE



# Can we protect and explore??

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Yes,  
with adequate  
public policies!

This is the Goal  
of the  
National Ocean Strategy  
2021-2030



# National Ocean Strategies: the cycle



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# **Ocean Economy in 2030 & Blue Growth:**

## **National Ocean Strategy 2021-2030**

# Inspiration



# Vision

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*To promote a healthy ocean as the only means to leverage a sustainable blue development, the Portuguese wellbeing and to consolidate Portugal as a global leader in ocean governance supported in scientific knowledge.*

# 10 Strategic Goals for the Decade



- ▼ SG1 Fight Climate Change and Pollution, Restore Ecosystems
- ▶ SG2 Foster Employment and a Circular and Sustainable Blue Economy
- ▲ SG3 Decarbonization, Renewable Energies and Energy Autonomy
- ▼ SG4 Food Security and Sustainability
- ▶ SG5 Water Access & Supply
- ▲ SG6 Health and Wellbeing
- ▼ SG7 Scientific Knowledge, Technological Development and Blue Innovation
- ▶ SG8 Education, Qualification, Culture and Ocean Literacy
- ▲ SG9 Reindustrialization, Productive Capacity and Ocean Digitalization
- ▼ SG10 Safety, Sovereignty, Cooperation and Governance



# 13 Top Priority Intervention Areas

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- ✓ Include several blue economy sectors & activities
- ✓ Selected based on their relevance to achieve Strategic Goals
- ✓ Supported on their current and predicted development for the decade
- ✓ Every PLA contains measures and stimuli for concrete actions strategically selected to achieve desired goals
- ✓ Priority Areas because they include actions where the Ocean can make a difference or impact, or, in contrast where it needs to be developed further to have an impact

# 13 Priority Intervention Areas



- PIA1 Science and Innovation
- PIA2 Education, Qualification, Culture and Ocean Literacy
- PIA3 Biodiversity and Marine Protected Areas
- PIA4 Bioeconomy and Blue Biotech
- PIA5 Fisheries, Aquaculture, Processing and Commerce
- PIA6 Robotics and Digital Technologies
- PIA7 Renewable Ocean Energy
- PIA8 Tourism, Recreational Boating and Sports
- PIA9 Ports, Maritime Transport, Logistics and Communications
- PIA10 Shipyards, Shipbuilding and Ship Repair
- PIA11 Coastal Management, Construction and Infrastructures
- PIA12 Non-Living Resources
- PIA13 Maritime Security, Defence and Surveillance

# 34 Targets for 2030

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**SG1.** Classify 30% of national maritime area as MPA

**SG2.** Increase by 30% the Blue Economy GVA / Increase jobs by 30% in Blue Economy/Double the number of financing instruments dedicated to blue economy

**SG3.** Reach 370 MW of installed capacity to generate energy from Ocean renewable sources / 17% cut in GHG emissions from the ocean economy

**SG4.** Increase national aquaculture production to 25 000 tons/year / Increase to 7% the quota of exports of sea products in the national exports

**SG7.** Double the number of blue economy start-ups and innovative blue projects financed by operational programmes

**SG7.** To double the number of national IPR applications (patents, brands, and design), in ocean and ocean-affiliated technologies (technology, industrial, empowerment)

**SG9.** Increase by 20% the value of industrial production in emerging sectors of the Ocean Economy

**SG10.** Conclude the process for the extension of the national continental shelf / Fully activate the planning and management of the national maritime space

# Action Plan



- Approved in September 2021
- Matrix and roadmap to implement the NOS2030
- 185 measures / 30 Flagships Actions
- Built with other Ministries and civil society stakeholders
- Revised every 4 years (election cycle)
- Basis for monitoring and evaluation (indicators)
- National plan with territorial and regional implementation



# Action Plan

## Matrix of Action Plan as a Roadmap

		STRATEGIC GOALS	
		OE1 ...	OE10
PRIORITY AREAS	AI1	Actions of AI that contribute to this OE	
	...		
	AI13		Actions of AI that contribute to this OE



# Monitoring and Evaluation

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- Key Instrument of Transparency to Society
- Main Instrument, constant monitoring and based on predefined methodology - **SEAMInd**
- Supports and feeds the **National Ocean Satellite Account**
- The sea is transversal, performed in **close collaboration with other Ministries**
- Supports **coordinated information to many international reporting processes** (MSFD, MSP, OSPAR, Agenda 2030/SDG14, Blue Growth EU, OECD, etc...)

# Governance, Coordination & Resources

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- ✓ Ocean affairs are transversal in society and to all ministries
- ✓ The ENM2030 only makes sense if and when implemented locally in articulation with each regional strategy and organisms
- ✓ Also, its support and alignment with international trends, specifically with EU strategies, is a key factor to its successful implementation
- ✓ 2 levels of coordination - Political and Technical

# Ocean Economy in 2030 and Blue Growth

➤ The need for monitorization and its tools



“More than **eighty percent** of our ocean is **unmapped, unobserved, and unexplored.**”

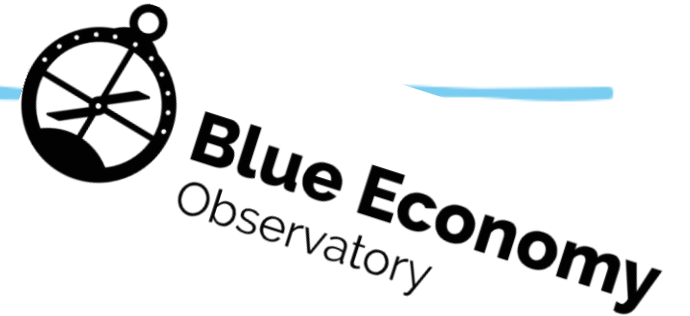
Source: NOAA/EUA <https://oceanservice.noaa.gov/facts/exploration.html> 09/05/2022





# Ocean Economy in 2030 and Blue Growth

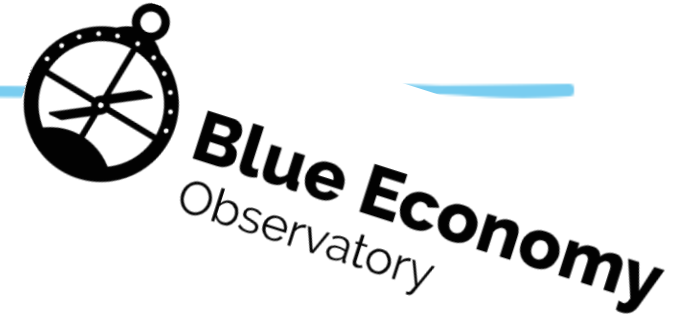
## ➤ The need for monitorization and its tools



- Key Transparency Instrument for Society: MEASUREMENT OF IMPACT / ACCOUNTABILITY
- Main Instrument: constant monitoring based on a predefined methodology - SEAMInd
- **Sustains and Feeds - Sea Satellite Account**
- The Sea is transversal, with close collaboration with other ministries
- Supports the coordination of information for various international reporting processes (MSFD, MSP, OSPAR, Agenda 2030/SDG14, Blue Growth EU, OECD, etc...)

# Ocean Economy in 2030 and Blue Growth

➤ The need for monitorization and its tools



Indicators

Level of  
monitorization

Support

Impact

STRATEGIC



Result

INTERMEDIATE



Products, use  
of resources

OPERATIONAL



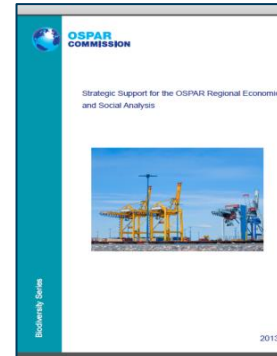
# Ocean Economy in 2030 and Blue Growth

➤ The need for monitorization and its tools

2012/2014 and 2020

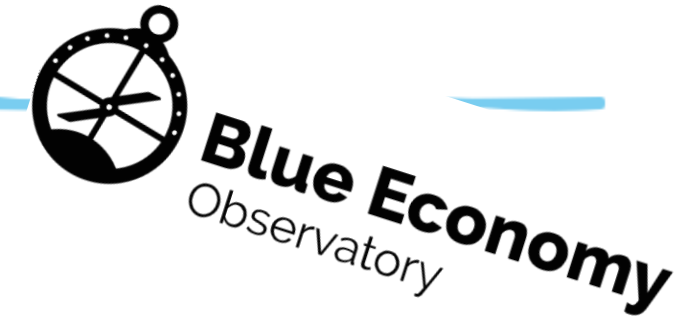


MSFD 1st/2nd cycle  
Socioeconomic analysis



OSPAR  
*Socioeconomic analysis  
PT contributes*

2012 – 2021



Monitoring to support  
National Ocean Strategy

2011

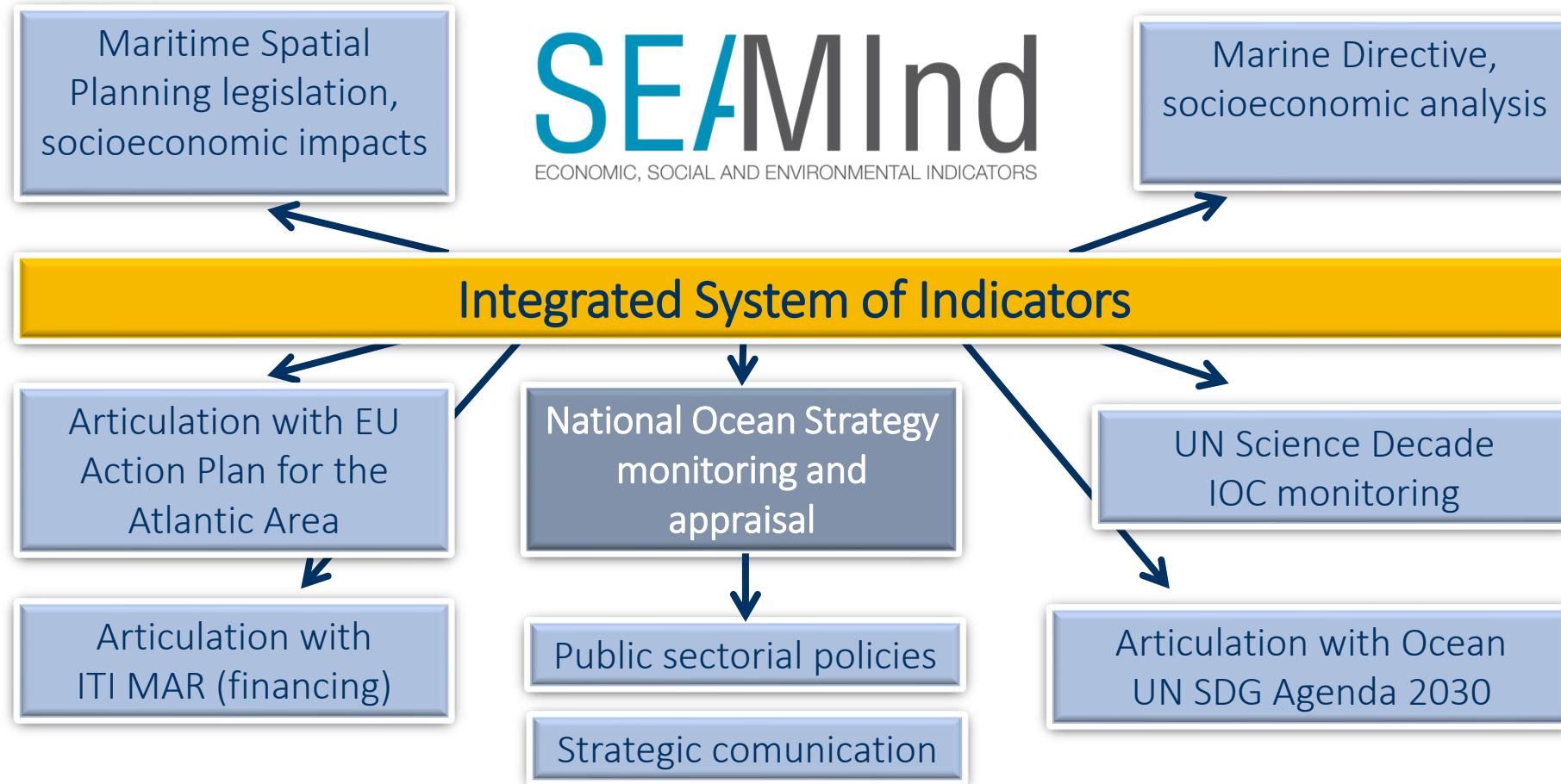


Maritime spatial planning  
Activities and ocean economy



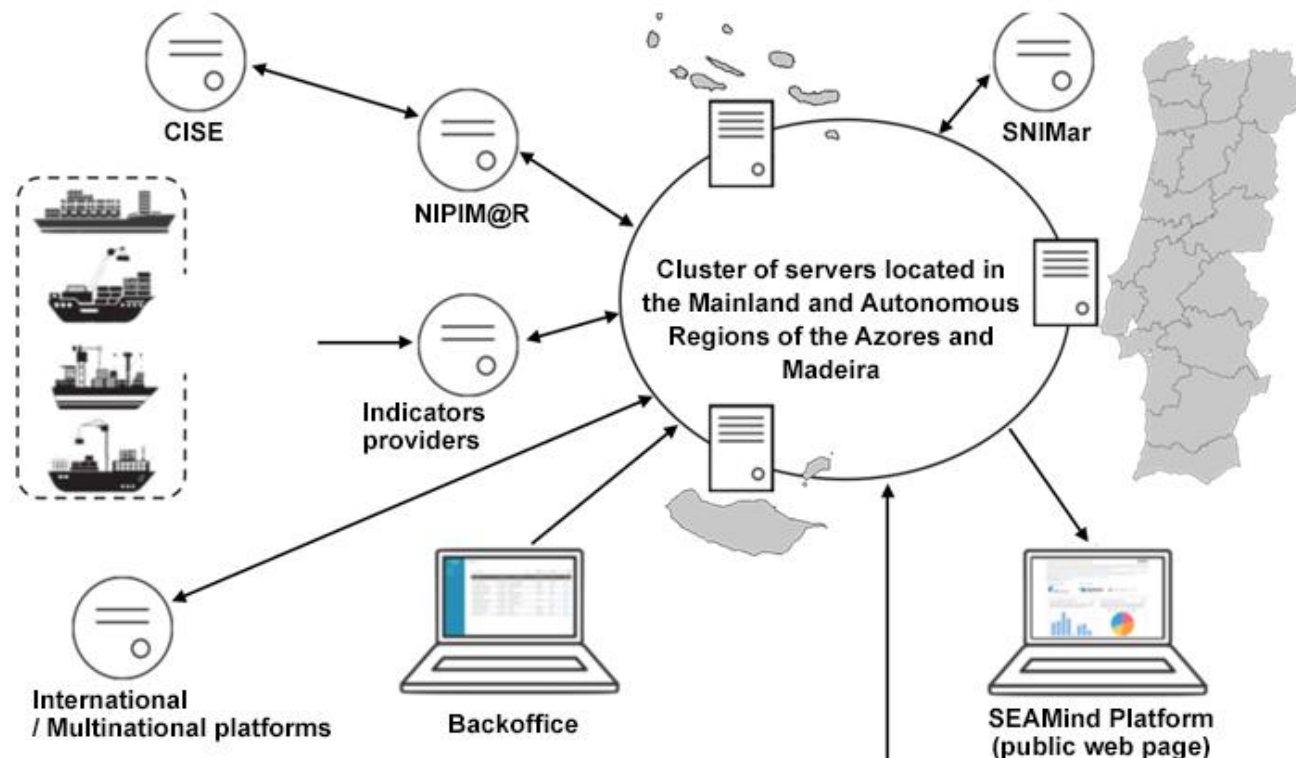
# Ocean Economy in 2030 and Blue Growth

- The need for monitorization and its tools





# SEAMInd PLATFORM



**SUSTAINABLE DEVELOPMENT GOALS**



Open data  
**Open @ AMA**



# The Ocean Economy in Portugal



# The Ocean Economy in Portugal



Tourism,  
Recreational & Sports



**43.1%**  
GVA



**39.6%**  
JOBS

Fisheries,  
Aquaculture, Tranf.  
& Commercial



**25.1%**  
GVA



**33.8%**  
JOBS

Maritime Services



**10.7%**  
GVA



**8.9%**  
JOBS

Ports, Transport  
& Logistics



**10.6%**  
GVA



**6.8%**  
JOBS

# Ocean Economy in 2030 and Blue Growth

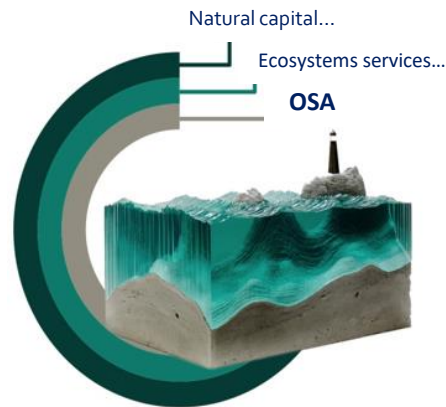
➤ The need for monitorization and its tools - future developments



## SYSTEM OF ENVIRONMENTAL ECONOMIC ACCOUNTING

SATELLITE ACCOUNT OF MARINE ECOSYSTEM SERVICES

Applied Research



Marine and coastal ecosystem services as part of the ocean economy



OSA - A methodology in its early stages, based on mature statistical principles

MULTILATERAL COOPERATION  
METHODOLOGICAL COMPARABILITY  
BENCHMARKING

Ocean Satellite Account



Home > Research and innovation > Research by area > C

Integrated Maritime Policy

IMPROVE COOPERATION TO BETTER KNOWLEDGE AND BENCHMARKING



PORTWIMS  
SUMMER SCHOOL  
20 - 24 June 2022



**Thank you!**

**Vanda Soares**

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Funded by the Horizon 2020  
Framework Programme of  
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