

ATLANTIC REGIONAL INITIATIVE AGORA

23rd Many Bonn/Germnay

ESA UNCLASSIFIED - For ESA Official Use Only

+ THE EUROPEAN SPACE AGENCY

ATLANTIC REGIONAL INITIATIVE

23 May - Monday

GEMINI AGORA



#LPS22

ESA UNCLASSIFIED - For ESA Official Use Only



Join the dialogue which will encompass new services and applications to address key **#Atlantic** stakeholders.



Maria Grazia Abete **ESA**



Kostas

Rory Scarrott University **College Cork**



Stefano Ferretti ESA (CHAIR)

David Petit DEIMOS

Pedro Ribeiro +ATLANTIC

Sara Aparício Solenix for ESA/ NOVA (CHAIR)

Agenda

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- 15h30-15h45 Overview of achievements outlining ESA side (Stefano Ferretti/Sara Aparício)
- 15h45-15h55 Blue Economy and Innovation Cluster (Rory Scarrott)
- 15h55-16h05 Renewable energy and Atlantic Cities (ARIA2 and ARIA3) (David Petit)
- 16h05-16h15 Blue World Task Force (Maria-Grazia Abete)
- 16h15-16h25 Participatory Design of EO tools and • applications - Atlantic EO (**Pedro Ribeiro**)
 - 16h25-17h00 Panel discussion









Maria Grazia Abete ESA

Kostas Topouzelis Uni. of Aegean

Rory Scarrott **University College Con**



David Petit DEIMOS



Pedro Ribeiro +ATLANTIC



Sara Aparício Solenix for **ESA/ NOVA** (CHAIR)



Stefano Ferretti ESA (CHAIR)

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EO regional initiatives: overview



Objectives

Concrete embedding of EO capabilities within regional Earth science programmes, regional environmental protection agreements and regional sustainable development strategies

In each region:

- Connect innovative EO R&D, application and service developments with the required underlying customized platform and processing capabilities
- Augment connectivity between EO and conventional Earth science, environmental protection and natural resources management practices

Scope - separate but coordinated actions for each region:

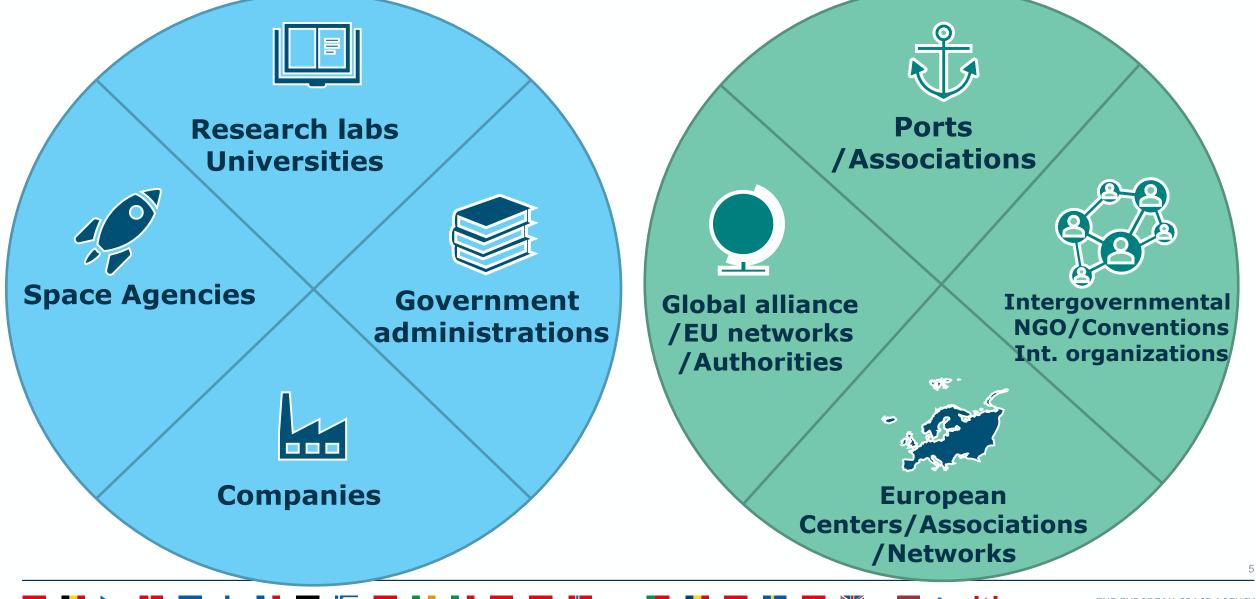
Project Office stakeholder engagement, communication and planning

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Science projects connect with regional Science programmes Application projects Integrate EO in ecosystem assessment & sustainable growth

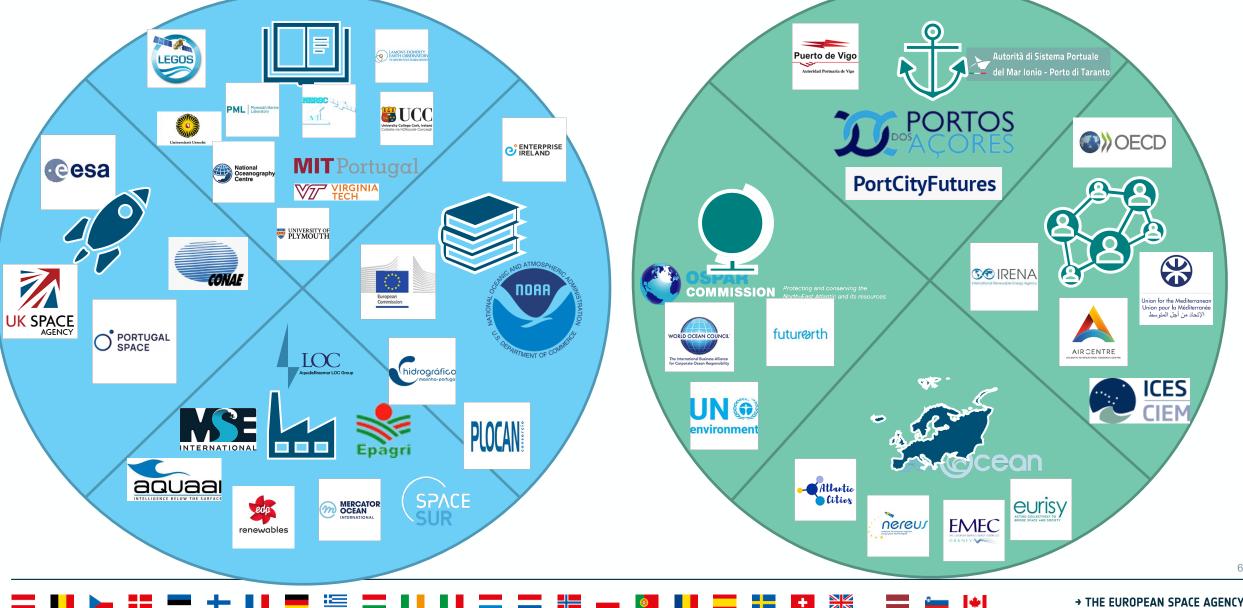
Customized platform and processing resources

A GROWING ATLANTIC COMMUNITY (STAKEHOLDERS)



→ THE EUROPEAN SPACE AGENCY

A GROWING ATLANTIC COMMUNITY (STAKEHOLDERS)



→ THE EUROPEAN SPACE AGENCY

The ESA EO Atlantic Regional Initiative today

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The ESA EO Atlantic Regional Initiative today





The Atlantic Data Handbook

An interactive e-book aiming to give an overview of the Regional Initiative, providing insights on workflows procedures as well as a first intro on data, tools and applications in the context of new the Atlantic to new users.

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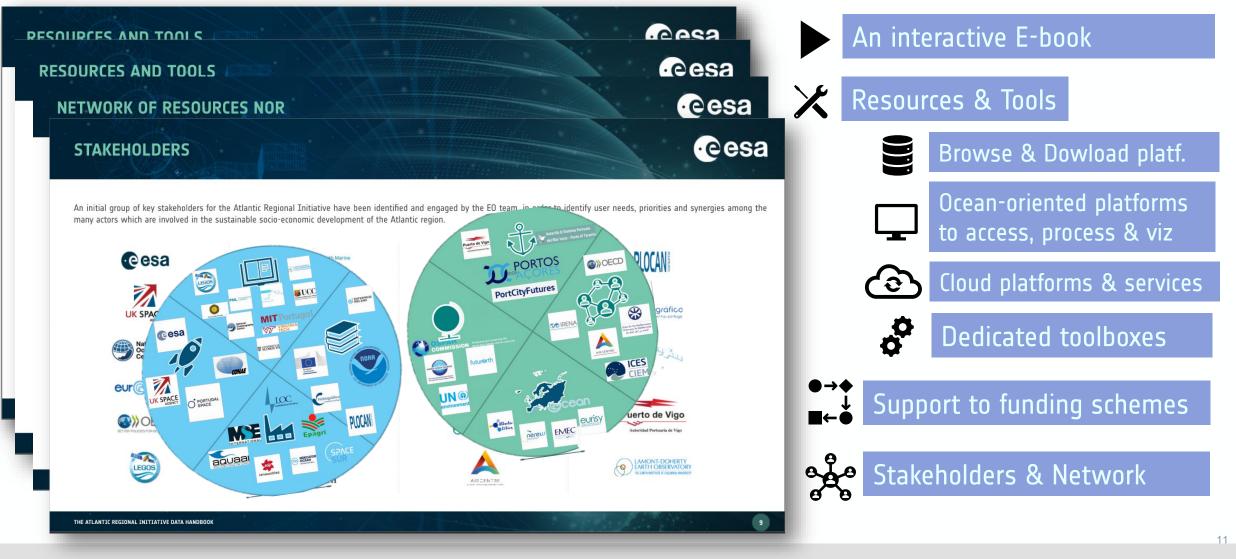
The Atlantic Data Handbook Overview (I)





The Atlantic Data Handbook Overview (II)



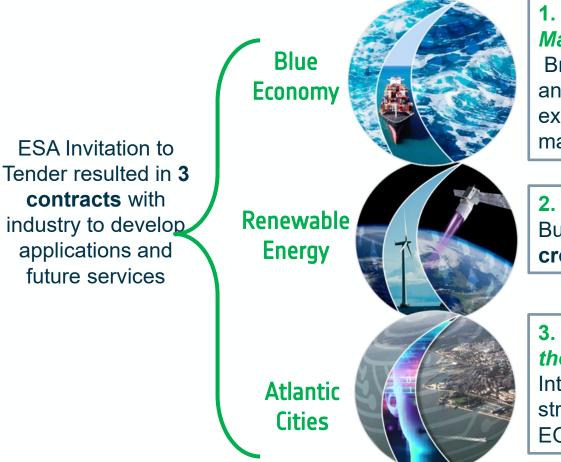


European Space Agency

Atlantic Regional Initiative Applications: Projects 2020



The aim of Atlantic EO applications development is to embed EO-derived information into pre-operational regional monitoring, assessment and planning activities:



1. Blue economy: Innovation Clusters, Atlantic Natural Resources Management and Maritime Spatial Planning Bridge EU policies, ESA programs and Atlantic strategies, to better anchor space uses to the needs of territories and industries, fully exploiting the potential of EO applications for better-informed decisionmaking and innovation processes

2. *Renewable Energy: Off-shore Wind* Build international partnerships and mobilize initiatives that enhance cross-sectorial exchanges amongst actors and investments

3. Atlantic cities: Smart, Sustainable and Secure Ports and Protecting the Ocean Integrate the EO dimension in regional innovation and SME programs, strengthening and developing local communities by raising the profile of EO capabilities towards new actors



Atlantic Cities: smart, sustainable and secure ports and protecting the ocean



Development, delivery to the end user community and respective impact assessment of a number of customized EO-based information services to support decision making processes by the climate resilience, cities & ports and protecting the oceans related stakeholders in the Atlantic Region. Those services shall cover three sub-topics:

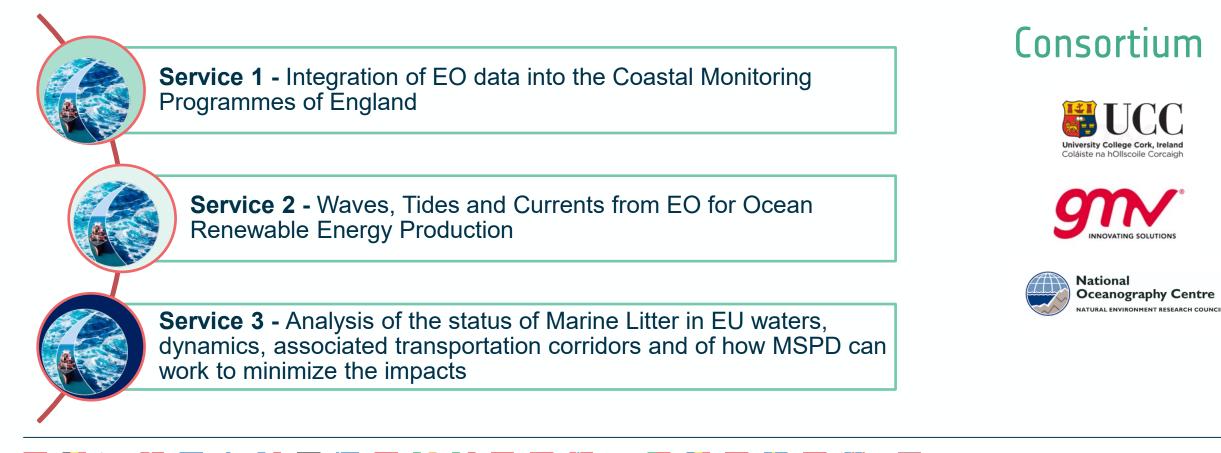




Blue Economy: Innovation Clusters, Atlantic Natural Resources Management and Maritime Spatial Planning



The **ATIN-BLUECO** project aims to complement the ESA Regional Atlantic initiative by providing insights and solutions in the Blue Economy thematic:

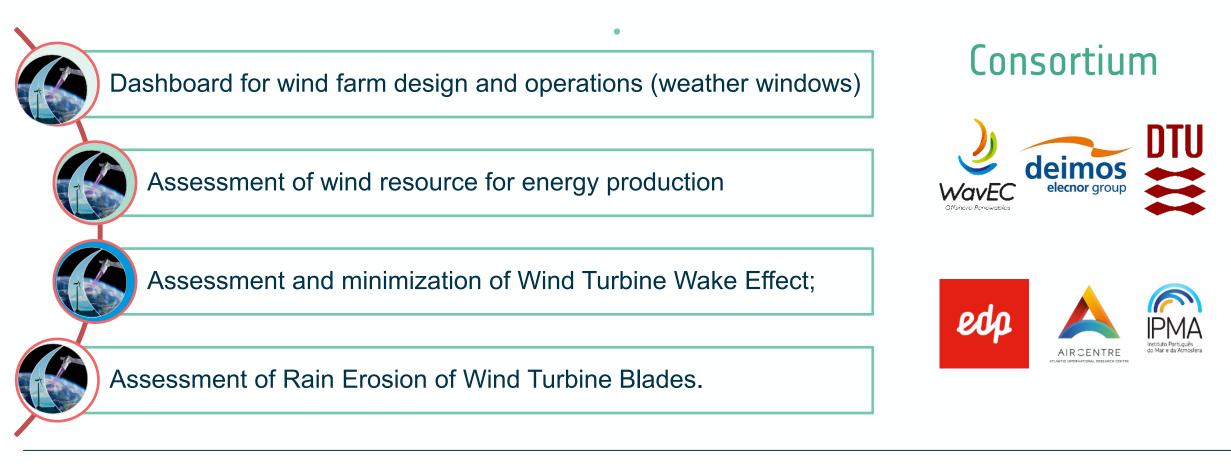




Renewable Energy: Off-shore Wind



This application aims to develop EO based services to **support management and operation** of off-shore wind farms, namely:



Sustainable Islands Workshop



