

Pillar IV – Update Phil Monbet – March 14th

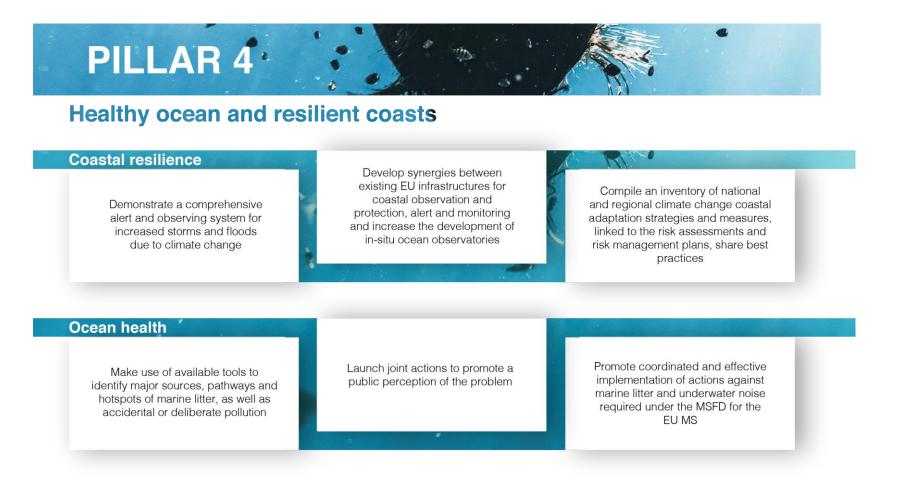


Pillar IV - Reminder

Framework Coastal resilience #6 ieni Ocean rotection (selected) Health actions ens

Pillar IV - Reminder

Framework



• Atlantic Strategy Repository - Pillar IV relevant

https://docs.google.com/spreadsheets/d/1BRqFYqhHlz9zkVfO61xTuhjQ4EjCmwClwyOx0cccGBY/edit#gid=1163983082

Projects (H2020, ERC, INTERREG, …)

Type of strategy or measure	Ŧ	Funding _ Intrument	Name –	Content -	Country related ~	Dates –	Link –	Topic(s) –
Project	•	H2020	JERICO-S3	Joint European Research Infrastructure of Coastal Observatories – Science, Service, Sustainability.	EU	2020-2024	https://www.jerico-ri.eu/projects/ jerico-s3/	2
Project	•	H2020	JERICO-DS	Joint European Research Infrastructure of Coastal Observatories – Design Study	EU	2020-2023		2
Project	•	Interreg-POCTEP	RADAR-ON-RAIA	The RADAR ON RAIA project aims to update and extend beyond the Galician border the HF radar network that has been operating since 2011 of the RAIA Observatory of the northwest of the Iberian Peninsula.	SP-PT	2018-07/2022	<u>http://radaronraia.eu/</u>	2
Project	•	ERA4CS	ECLISEA	ECLISEA is a project that aims to advance coastal and marine climate science and associated services through developing innovative research of sea surface dynamics. The project is built upon the premise that the outcomes should be applicable throughout Europe. ECLISEA proposes an integral research plan that starts with assessing the needs of specific stakeholders; includes groundbreaking investigation related to mean sea level rise, storm surge, waves, total water level and coastal flooding and erosion methodologies, and ends up with the development of an on-line open prototype of a coastal climate service in Europe.	EU	2017 -04/2021	https://www.ecliseaproject.eu/	2
				INSeaPTION is a research project, which aims at addressing these limitations by co-designing and co-developing, together with users, coastal				Q

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Initiatives / Programme (30+)

Type of strategy or measure	Name	Content	Link	Country related	Торіс
Initiative/programme 👻	Copernicus (including MEMS C3S EMS INSTAC)	European Union's Earth observation programme, looking at our planet and its environment to benefit all European citizens. It offers information services that draw from satellite Earth Observation and in-situ (non-space) data.	tps://www.copernicus.eu	EU	1
Initiative/programme 🔹	Arg o (including Euro-ARGO ERIC)	The Argo network is a global array of more than 3500 autonomous instruments, deployed over the world ocean, reporting subsurface ocean properties to a wide range of users via satellite transmission links to data centres.	<u>https://www.euro-argo.eu</u> https://argo.ucsd.edu/	EU	1
Initiative/programme 🔹	GOOS (including EuroGOOS)	The Global Ocean Observing System is is a sustained collaborative system of ocean observations, encompassing in situ networks, satellite systems, governments, UN agencies and individual scientists. We are organized around a series of components undertaking requirements assessment, observing implementation, innovation through projects, and a core team.	<u>ttps://www.goosocean.or</u>	World	1
Initiative/programme 🔹	ERIC EMSO (European Multidisciplinary Seafloor and water column Observatory)	Réseau Européen d'observatoires du fond de mer et de la colonne d'eau au point fixe, étudie notamment les processus tectoniques, volcaniques, hydrothermaux et gravitaires et la surveillance des risques naturels associés (séismes, tsunamis, instabilité des pentes) pour les zones côtières à forte densité de population.	<u>http://emso.eu/</u>	EU	1
Initiative/programme	FixO3 (Fixed point Open Ocean Observatory network).	Seeks to integrate European open ocean fixed point observatories and to improve access to these key installations for the broader	http://www.fixo3.eu/	EU	1

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Institutions (30+) from IE, FR, SP and PT

Type of strategy or measure	Name	Content	Link	Country related	Торіс
Institution -	IOC (Intergovernmental Oceanographic Commission)	This is the United Nations body responsible for supporting global ocean science and services. And it enables its 150 Member States to work together to protect the health of our shared ocean by coordinating programmes in areas such as ocean observations, tsunami warnings and marine spatial planning.	https://ioc.unesco.org/	World	1
Institution -	EUMETSAT (European Organisation for the Exploitation of Meteorological Satellites)	This is the the European operational satellite agency for monitoring weather, climate and the environment. And it helps to enhance and safeguard the daily lives of European citizens.	https://www.eumetsat.int/	EU	1
Institution -	Ifremer (Institut français de recherche pour l'exploitation de la mer)	Institut de recherche intégré en sciences marines, il contribue au système de recherche et d'innovation national, ainsi qu'à l'espace européen de la recherche.	https://wwz.ifremer.fr/	FR	1
Institution -	CEREMA (Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement)	C'est un établissement public tourné vers l'appui aux politiques publiques, placé sous la double tutelle du ministère de la transition écologique et du ministère de la cohésion des territoires et des relations avec les collectivités territoriales. Il gère notamment la mer et le littoral.	<u>https://www.cerema.fr/fr</u>	FR	1
Institution -	BRGM (Bureau de recherches géologiques et minières)	C'est le service géologique national, l'établissement public de référence dans les applications des sciences de la Terre pour gérer les ressources et les risques du sol et du sous-sol dans une perspective de développement durable.	https://www.brgm.fr/fr	FR	1

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Alert & Observing systems (30+) from IE, FR, SP and PT

	Observation network	Infrastructure Type	Data type	Entity in charge	Mission	Link with regulations	Contact	Contribution to International initiative	Link
IRELAND	IMOS (Irish Marine Data Buoy Observation Network)	group of 7 offshore buoys deployed around the Irish coast that monitor weather and oceanographic conditions in real-time.	Wave height, Wave Period, Wave direction. Sea Temperature and salinity.	Marine Institute	To improve weather forecasts and safety at sea around ireland. The buoy network provides vital data for weather forecasts, shipping bulletins, gale and swell warnings as well as data for general public information and research.		Alan Berry (Team Leader) Rinville, Oranmore, Co. Galway. H91 R673 Phone: (+)353 (0)9 138 7200 Fax (+)353 (0)9 138 7201 Email: institute.mail@marine.ie		http://www.marir
SPAIN	REDCOS Coastal buoy network	10 stations with Shallow water buoys. A set of buoys anchored at depths of less than 200 metres in the vicinity of harbour areas.	Directional waves and Sea Surface Temperature. 2 multi-parametric stations	Puertos del estado	They therefore provide information on local wave characteristics. This network has a series of more than 20 years of data and is therefore of fundamental importance when defining the average and extreme wave conditions in the coastal environment.				https://www.pue
	MONICAN (Nazaré Canyon Observatory)		hourly measurements of waves, meteorological parameters, currents, water temperature and costal sea level.	Instituto Hidrografico	To contribute to the network of coastal ocean observatories gathered under H2020 project JERICO-NEXT				https://monican.
	RAIA (Oceanic observatory for the lberian shelf)	A cross-border Observatory brings together a large number of entities on the Atlantic coast of the Iberian Peninsula with relevant activity in the field of operational oceanography.			Improve the oceaninc observation at the Western Iberian Peninsula in terms of meteorological, oceanographical and water quality data. Improve operational forecasting models, hydrodynamic and biogeochemical. Prepare specific tools to end-users;				
Portugal		Distributed multiplatform Real-Time monitoring infrastructure comprising 4 multiparametric buovs located			To provide reliable and useful information on the state of the sea to public administrations. companies and citizens in			Contribution to the	

Ongoing mapping exercise

EU ATLANTIC AREA

Alert and Observing systems



t□ **ALERT AND OBSERVATION** SYSTEMS DIRECTORY.

IRELAND

& Waves stations 🔛 Tide gauges

ITGN led by Marine Institute, 35-40 stations

Temperature,

Coastal tide gauges: water

SONEL led by French institutes, 88 stations

Height difference; Water height; Geocentric height;

RONIM in the REFMAR network led by SHOM, 50

RESIF-RENAG by French research labo, 10 tide gauges

Tide gauge/GNSS co-location: corrected water level

MONIZEE led by Instituto Hidrografico, 16 buoys, 22

waves, water temperature and currents, water level

atmospheric pressure, water level

ITGN

SONEL

stations

Gravity field strength.

REFMAR

Digital coastal tide gauges

RESIF - RENAG

stations from SONEL network.

MONIZEE 🚣 🚟

measurement

tide gauges.

changes

IMOS 🚣

IMOS led by Marine Institute, 5 offshore stations (buoys). Wave height, Wave Period, Wave direction. Sea Temperature and salinity

FRANCE

Coast-HF 🚣

Coast-HF led by Ifremer & CNRS, 14 stations Wave direction and period, Wind direction and speed, Atmospheric pressure; Current speed.

CANDHIS 🚣

CANDHIS led by CEREMA, 30 stations waveforms, acoustic sensors, houlograph buoys (wave height/direction, water temperature)

CENALT 🚣

CENALT led by CEA, + 40 stations Seismological data from CEA and CNRS-INSU, tide gauge data from SHOM and METEO France

PORTUGAL

MONICAN 🚣 🚟

MONICAN led by Instituto Hidrografico, 4 stations in the nazaré canyon (2 waveform buoys and 2 tide gauges). Measurements of waves, meteorological

parameters, currents, water temperature and costal sea level

The Atlantic Strategy Committee

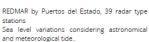
Cascais and Lagos 🔛 tide gauges

Cascais and Lagos tide gauges led by DGT Measure of water level, water temperature, atmospheric pressure and atmospheric temperature

SPAIN

REDCOS

REDCOS by Puertos del Estado, 10 stations in shallow waters Directional waves and Sea Surface Temperature.



REDMAR 🚟

• Organise our own workshops







Resilience of coastal territories: from decision to action through observation and services

Atlantic Action Plan 2.0

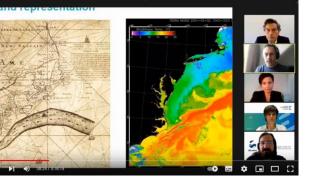
Elise Wattrelot Executive Secretary of CPMR Atlantic Arc Commission



SECOND PILLAR II and IV WORKSHOP The Blue Economy and the Digital Transition

3 NOV 2021 I 09:15 GMT+1 I REGISTER NOW





Promote European Commission initiatives (thanks to National Hubs)

- Synergies on social media (twitter) (60+ per month on average)

National Hub France @EUAtlantic_Fr · 4 mars à vos agendas totalement en ligne avec le pilier I (ports) du plan d'action Atlantique 2.0 @EUAtlantic @SGMer @PoleMerBA @CeremaCom @shom_fr

Pôle Mer Bretagne Atlantique @PoleMerBA · 4 mars Les Pôles Mer vous invitent à un webinaire de présentation de l'appel à projets d'innovation du @shom_fr & @CeremaCom, sur le thème "trafic maritime : du large au port"

mars de 11H00 à 12H00

Anno Linear

Pour s'inscrire Fattendee.gotowebinar.com/register/43999...

- Monitoring 'news' to provide inputs to NH

17 Vous avez retweeté

- manage

National Hub France @EUAtlantic_Fr · 28 janv. save the date and register @EUAtlantic @PoleMerBA @WestMedStrat @PoleMerMed #OOS

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SGMer CONTROLL
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Raise awareness and discussions (workshops / tradeshow) / Contributions



Improve the capacity of Atlantic territories to monitor, prevent and remove litter

Supporting Implementation of Maritime Spatial Planning in the Atlantic

SIMAtlantic



Create marine services at regional and subregional scale using the EU Atlantic Waters as case study





oceanology

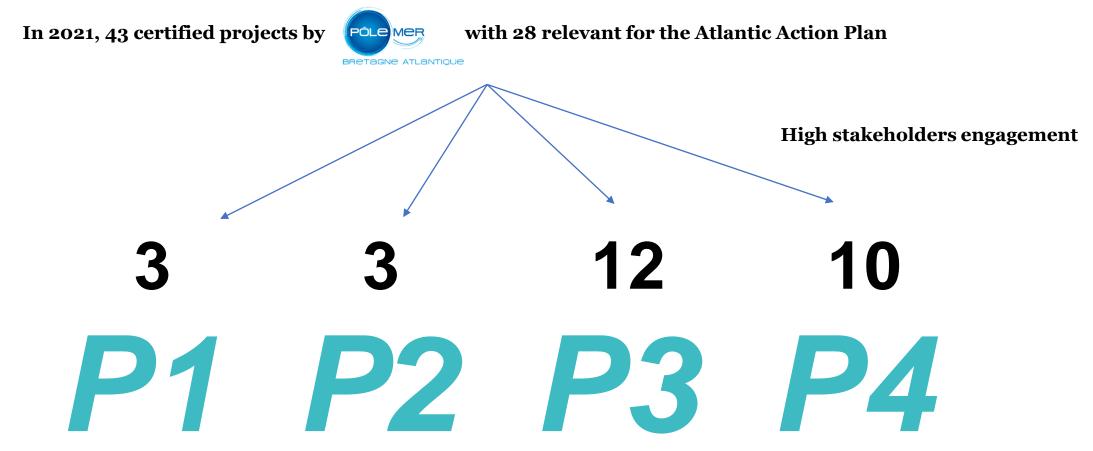
international

15-17 MARCH 2022

The Atlantic Strategy Committee

Map coastal wetlands for preservation and to monitor their role as c

Support innovative projects with our National Hub Support



Pillar IV – What we will try to achieve till June!

• One more workshop

In coordination with pillar III – May 2022

- Deliverables
 - #1 An inventory/map (nice infographic) of observing systems and key infra on the Atlantic fringe
 - **#2 Small report/review on coastal adaptation strategy and measures**
 - **#3** Examples/selection of innovative tools for identifying pollution
 - #4 Similar synthesis : review of innovative actions/measures against marine litter/noise



Merci Thank you Obrigado Gracias

