Nourishing Blue Economy and Sharing Ocean Knowledge

> Building user-focused, interdisciplinary, responsive and sustained ocean information systems that deliver services and products on the ocean, ocean climate, marine ecosystems for a sustainable development, while protecting marine vulnerability against human impacts and supporting the Blue Economy

Innovation, Technology, Training and Collaboration

Quality ocean information from observations, scientific knowledge and forecasting is crucial to support evidence-based decision making, providing a crucial framework for the sustainable development of the Blue Economy.

Ocean assessments and forecasts play a fundamental role in underpinning the scientific basis for national and international policies to regulate the use of the ocean and protect the ocean environment, and to monitor the effect of climate mitigation efforts. A sustainable Blue Economy is the key to obtaining value from the oceans and coastal regions, while respecting the long-term capacity of the oceans to regenerate and maintain a healthy ecosystem.

The harmonisation and integration of existing and new ocean knowledge will increase the availability of credible scientific evidence to inform industry and help reduce the impact of human activities on the ocean.

New services to nurture a sustainable Blue Economy

A unique group of 10 “Blue Projects” are contributing to European efforts on supporting excellence in marine research, policies & partnerships with industry and the public sector, to better address key global challenges, and contribute to achieving the goals outlined in the EU Green Deal, the Paris Agreement and the United Nations Decade of Ocean Science for Sustainable Development.

Results

Enhanced Ocean Observation Technologies and Analysis Capabilities

Evidence-based support for Ocean Management and Governance

Digital Networking & Training Platforms for Global Ocean Research Communities

Who benefits?

Blue Economy Industry

Policy makers and Funding Agencies

Research and Academia

Society and Citizens

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The impact on the Blue Economy members

- Support excellence in marine research to better answer societal and policy needs;
- Increase capacities for strategic partnerships, business uptake, economic and technological development;
- Support coordination of ocean observing at global and regional levels;
- Deliver ocean climate and ocean health monitoring tools;
- Contribute to the policy development at national, European and international levels;
- Work with industry and governmental stakeholders to use know-how to support sustainable Blue Economy;
- Educate ocean resource managers and researchers in application of an approach to ecosystem management.

The EU cluster of projects increasing sustainability of the Blue Economy

EuroSea

Brings together key European actors of ocean observation and forecasting with key end users of ocean observations for a truly truly interdisciplinary ocean observing system.

eurosea.eu

Blue-Cloud

Develop a pilot cyber platform to collect and elaborate multidisciplinary data and provide analytical instruments as well as computing facilities.

www.blue-cloud.org

atlas

Advance the understanding of the status of North Atlantic deep-sea ecosystems under past, present, and future conditions. This knowledge aims to shape international policies for the long-term conservation and sustainable use of North Atlantic marine resources.

www.eu-atlas.org

Eurofleets+

An alliance of European marine research infrastructure to meet the evolving needs of the research and industrial communities

Facilitate open free of charge access to an integrated and advanced research vessel fleet, designed to meet the evolving and challenging needs of the user community for a sustainable, clean and healthy ocean.

www.eurofleets.eu

AtlantECO

Atlantic Ecosystems Assessment, Forecasting & Sustainability

Develop and apply a novel, unifying framework for providing knowledge-based resources to design policies, support decisions making and engage with citizens.

www.atlanteco.eu

iAtlantic

INTEGRATED ASSESSMENT OF ATLANTIC MARINE ECOSYSTEMS IN SPACE AND TIME

Deliver critical knowledge to ensure responsible and sustainable management of Atlantic Ocean resources. Sharing of expertise, data, personnel, and infrastructures across the North and South Atlantic serves the achievement of long-term sustainability in an era of unprecedented global change.

www.iatlantic.eu

JERICO-S3

SCIENCE - SERVICES - SUSTAINABILITY

Provide a state-of-the-art, fit-for-purpose and visionary observational RI, expertise and high- quality data on European coastal and shelf seas, supporting world-class research and high-impact innovation.

www.jerico-ri.eu

MISSION ATLANTIC

Bring together scientists, managers and stakeholders from Brazil, South Africa, North America and the EU to identify ecosystem components most at risk from natural hazards.

missionatlantic.eu

NAUTILOS

Develop a new generation of sensors and samplers for biogeochemical, biological and physical essential ocean variables in addition to micro- and nanoplastics to improve the understanding of environmental variations and anthropogenic impacts.

www.nautilos-h2020.eu

ODYSSEA

Develop, operate and demonstrate an interoperable and cost-effective platform that fully integrates networks of observing and forecasting systems in open sea and coastal zone.

odysseaplatform.eu

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