

OCEAN AND ENVIRONMENTAL TECHNOLOGIES AND SERVICES

Part 1 : Ocean Focus

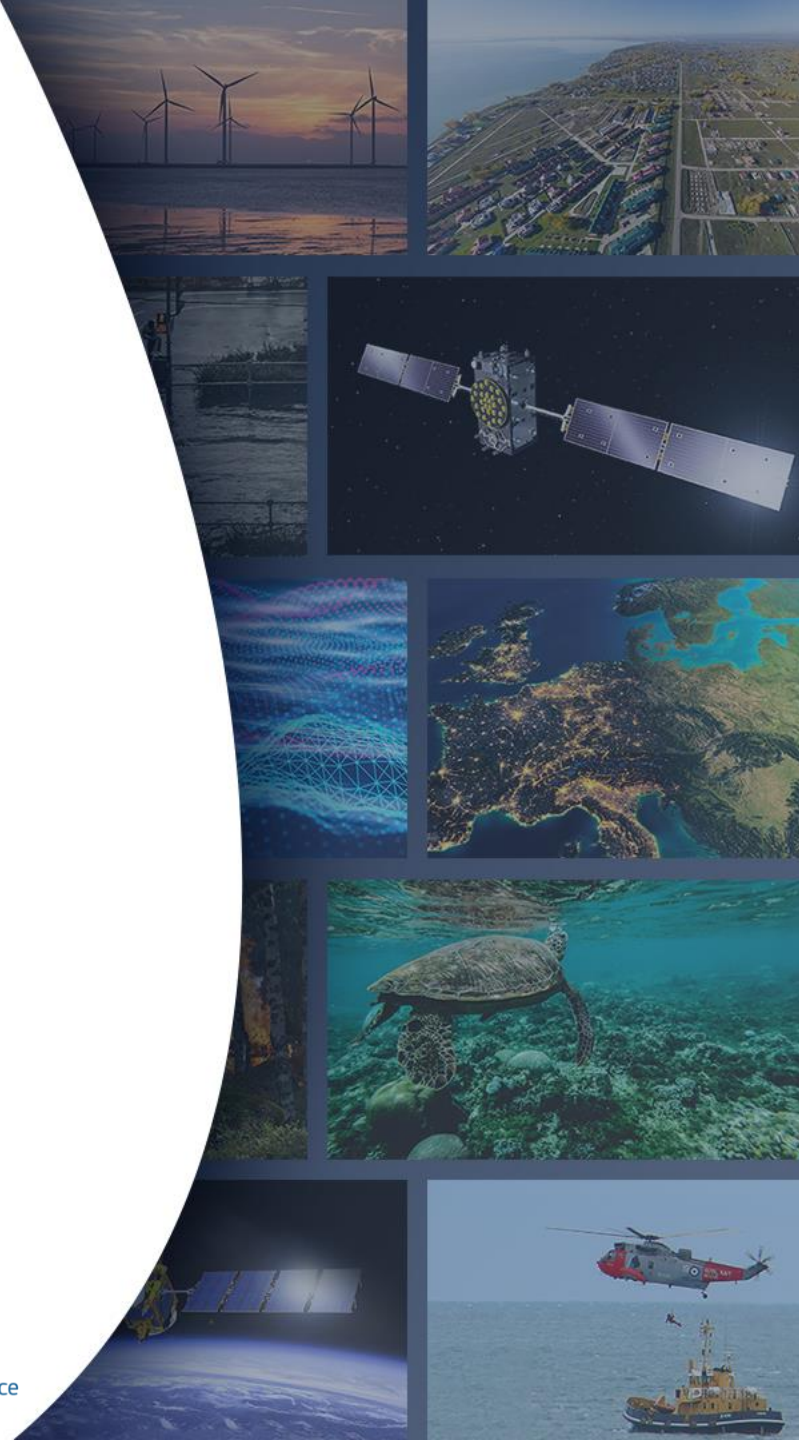
Wednesday 20 October
9:00 AM to 01:15 PM



WELCOME THE EIB BLUE DIGITAL AGENDA

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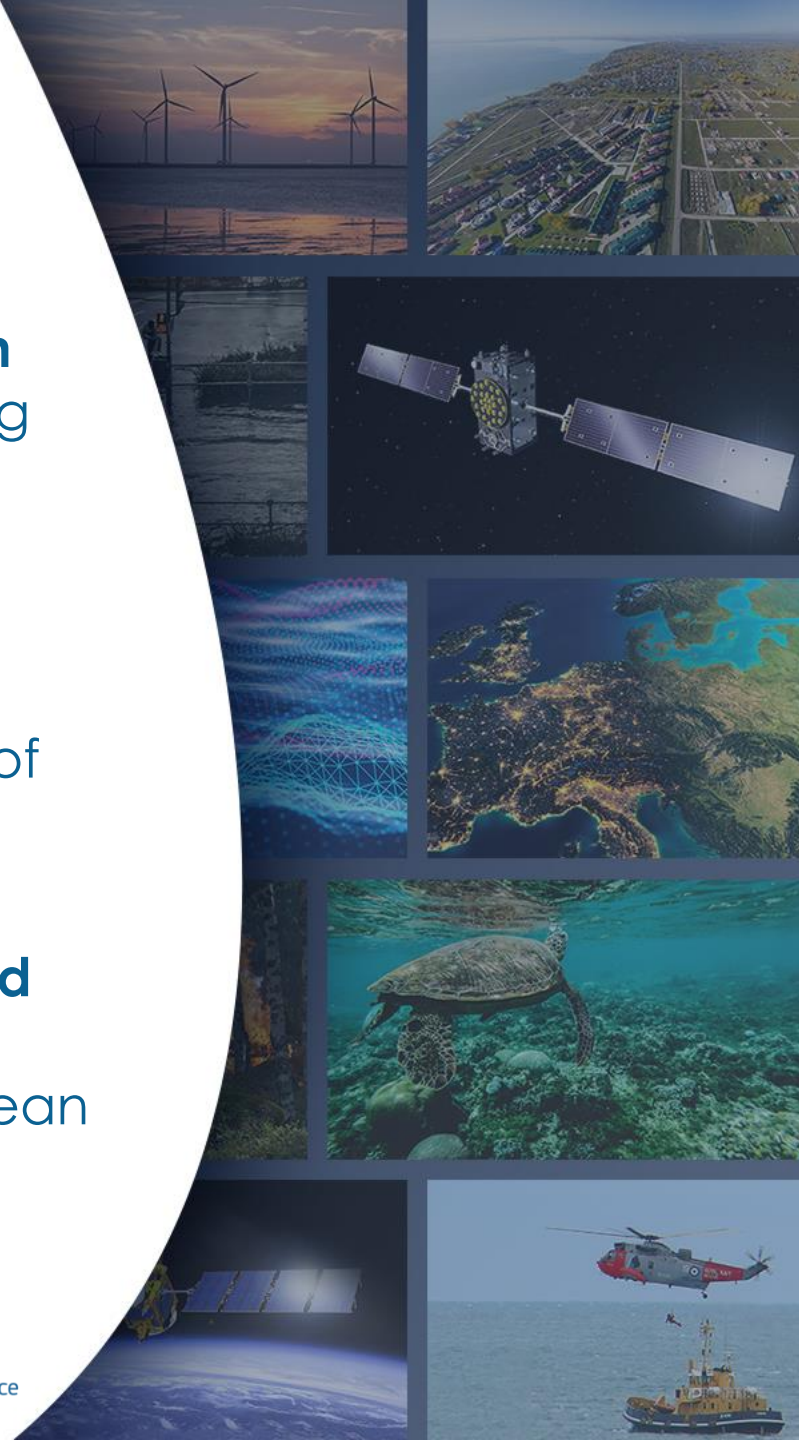
NEED FOR AN OCEAN BLUE DIGITAL AGENDA

- **Digital solutions could be ready to be implemented** to monitor and protect our seas
- **Pilots exist of blue digital systems** embodying Artificial Intelligence (AI), cloud computing, the Internet of Things (IoT), processes automation, robotics, high-performance sensors solutions
- **However, uptake of digital solutions has been markedly slower** and uneven across countries and regions
- **There is an urgent need to scale up investments** in the Blue Digital Agenda in all regions of the EU



AN EFFECTIVE BLUE DIGITAL SYSTEM

- **Impressive advances in digital innovation in ocean observation and protection have been fostered in the last decade**, including ocean sensing and imaging instruments, the expanding spatial coverage of float arrays and fixed observation platforms; the increasing autonomy in mobile platforms
- **Some demonstration projects, ready to be deployed, will be presented today**, asking you to engage for the developments of these innovations and infrastructures, so that Europe regains leadership
- **Stakeholders' engagement, inter-institutional collaborations and investments** are the building blocks for combining all of these advances into a functioning and effective digital system of ocean data collection, analysis and action at EU level



BLUE DIGITAL CHAMPIONS

- **Many of those innovations require strong supportive, organisational and collaborative actions at local level**
- **A local demand-based push is key** to reduce the cost of innovating and scaling up production, including the creation of new markets and the testing of new business models for ocean observation systems
- **Urgent investments are needed to extend coverage** of ocean observation infrastructure and capacity: the “Blue-Digital-Roads”



THE RECOVERY PLAN

- **Recovery Funds could accelerate the blue digital agenda and know-how:** Member States should not miss this historical opportunity
- **In particular co-operation across various stakeholders in the various industries,** telecommunications cable companies, the fisheries sector and the tourism and leisure industries would **bring greater standardisation** of data and interoperability



DIGITAL BLUE LABs

- **The EU and EIB would support initiatives** to provide a more systematic approach to accelerate innovation
- Committed regions and national authorities, would promote funding **through the whole value chain and set up Digital Blue Labs**
- **The EIB could support these promoters to develop a local Blue Digital Agenda** on bringing technology/services to the market and reinforce monitoring infrastructure



Today Agenda

- Show our best-in-the-class Copernicus capabilities
- Present Copernicus Marine Service and very promising user cases
- Highlight our state-of-the-art capabilities in rescue and search at sea
- Dive into the new innovation landscape of Ocean technologies
- List the gaps in terms of in-situ monitoring infrastructure
- Discuss next steps as part of the EU Sustainable Ocean Strategy

