



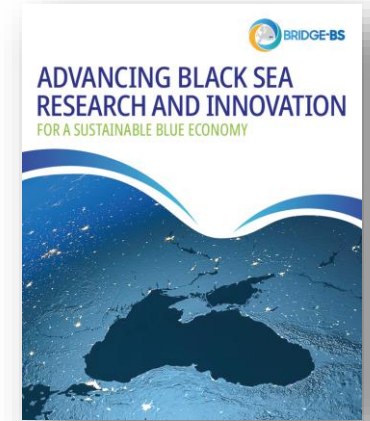
# THE POLICY IMPACT

3 main results, based on scientific outputs and science-policy interaction:

- BRIDGE-BS POLICY BRIEF

*dialogue*

A short, **high-level summary** of key policy-relevant results and recommendations for policymakers



- GUIDING MANUAL FOR POLICYMAKERS AND KNOWLEDGE TRANSFER IN THE BLACK SEA

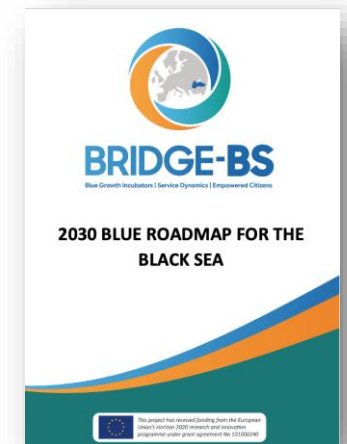
*upskilling*

A **handbook** to strengthen users' capacity to utilize the knowledge generated by BRIDGE-BS for future evidence-based policymaking

- 2030 BLUE ROADMAP FOR THE BLACK SEA

*knowledge transfer*

A **structured framework** to maintain this active science - policy synergy after the project, guiding further action to secure long-term exploitation of BRIDGE-BS results in support of regional and EU policies



38 KNOWLEDGE OUTPUTS | 8 THEMATIC GROUPS | 36 EXPLOITATION ACTIONS

Analysis BRIDGE-BS contribution to the BS-SRIA implementation

Exploitation Plan Actions to facilitate the uptake and materialisation of the project impact

**C. TOWARDS A BLACK SEA INTEGRATED ENVIRONMENTAL OBSERVATION**

**C1. Support improved ecosystem assessment in the BS through data gap identification and readiness analysis**

BRIDGE-BS provides a critical assessment of the availability, quality, and suitability of datasets relevant to marine observation and ecosystem assessments in the Black Sea. Key gaps in variables, geographic coverage, and accessibility were identified, offering targeted recommendations to improve regional data infrastructures and monitoring frameworks. Some of these gaps have been partially addressed by BRIDGE-BS, while others have emerged during the project development in relation to the specific data needs of the newly implemented tools and methodologies.

These findings are relevant for enhancing the monitoring programmes in the BS, particularly the BSIMAP. The analysis is also relevant for marine data infrastructures and modelling initiatives, both at regional and European level, including EMODnet, Copernicus and EU DTO, where the identification of data gaps is a prerequisite for integration and alignment. Recommendations to progress in this area include:

- Engage with the Black Sea Commission to assess the relevance of this approach within the framework of the Bucharest Convention and explore its potential to enhance the BSIMAP.
- Engage with Mercator Ocean International to support the development of the Black Sea Digital Twin demonstrator in alignment with EU DTO.

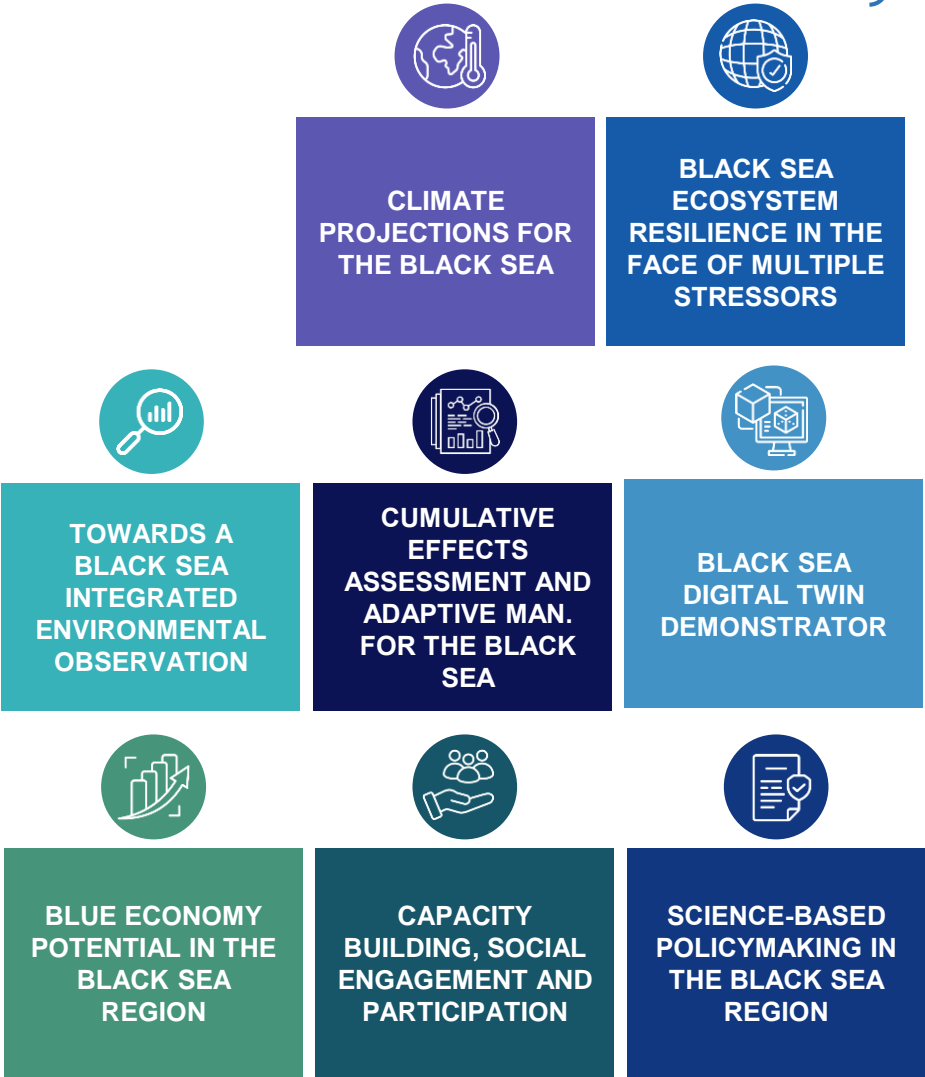
ACTION	OBJECTIVE	
<b>C1</b> Support improved ecosystem assessment in the BS through data gap identification and readiness analysis	Improve the availability and usability of marine data based on BRIDGE-BS results, to enhance the effectiveness of Black Sea environmental policies and ecosystem-based governance.  Contributes to SRIA Pillar 1	<b>Geographic scope:</b> Regional <b>Timeframe:</b> 2025-2027 <b>Required actors:</b> METU, NIMRD, CNR, SU, IBER-BAS, GEOECOMAR, TUBITAK MAM, Black Sea Commission Mercator Ocean International National environmental and research agencies/ ministries departments. <b>Policy relevance:</b> Bucharest Convention; 2025 EU Joint Communication on the Strategic Approach to the Black Sea; MSFD; EU Ocean Pact – Ocean Observation Initiative; Copernicus Marine Service; EMODnet; EU DTO; National marine monitoring and data strategies. <b>Suggested approach:</b> Bi/ Multilateral interaction with specific actors. Coordination and support action. <b>Funding to consider:</b> EU DTO – related calls, Horizon Europe (Cluster 6), Interreg NEXT BSB, national research programmes

Relevant BRIDGE-BS Outputs

- Gap analysis and assessment
- Portal & DB
- BS-DTO
- CEA tool
- Improved knowledge ecosystem BS
- Interactions between multiple stressors

Contribution to SRIA Pillar 1 – crosscutting

- Strengthen the foundation for coordinated marine observation by identifying and addressing critical data gaps
- Improve alignment between regional data frameworks and emerging European infrastructures such as the Digital Twin Ocean





- Water Resilience Strategy
- Water Framework Directive (WFD)
- Nature Restoration Regulation (NRR)
- Nature Directives (Habitats and Birds)
- EU Biodiversity Strategy for 2030
- EU Green Deal

- National Blue Economy Strategies and Smart Specialisation Strategies
- Sustainable Blue Economy
- Bucharest Convention and BSIMAP



# THE CONTRIBUTION OF THE BRIDGE-BS TO THE EU OCEAN PACT AND EU'S STRATEGIC APPROACH TO THE BLACK SEA



## The European Ocean Pact

Sustaining the ocean that sustains us

June 2025  
#EUOceanPact

A COMPETITIVE & SUSTAINABLE EU BLUE ECONOMY

OCEAN HEALTH, OCEAN PRODUCTIVITY & RESILIENCE

A ROBUST MARINE KNOWLEDGE FRAMEWORK

GLOBAL OCEAN GOVERNANCE AND OCEAN SCIENCE DIPLOMACY

ENHANCED RESILIENCE FOR COASTAL COMMUNITIES & CITIES

GOVERNANCE



### SUPPORT TO MANAGEMENT AND DECISION-MAKING

data integration risk assessment multistressor projections ecosystem-based management visualisation tools resilience assessment **Black Sea DTO** cumulative effects assessment climate projections modelling frameworks early-warning systems maritime spatial planning adaptive management future scenario projections



### BLACK SEA INTEGRATED ENVIRONMENTAL OBSERVATION

integrated data infrastructures environmental status updates **harmonised monitoring** basin-wide assessment multistressor impact assessment smart monitoring ecosystem-based observation near real-time multidisciplinary oceanographic data advanced marine sensors joint observation data integration



### CAPACITY DEVELOPMENT AND OCEAN LITERACY

black sea young ambassadors climate awareness ocean knowledge **marine environmental awareness** understanding human-ocean interaction ecosystem understanding ocean data literacy ocean citizenship marine stewardship risk awareness informed decision-making community engagement



### SCIENCE-BASED POLICYMAKING IN THE BS REGION

adaptive policy frameworks cross-border policy coordination long-term foresight risk-aware decision-making intersecting policy coherence **evidence-based policymaking** knowledge uptake knowledge transfer environmental policy blue economy **science-policy interaction** climate-responsive policymaking marine & maritime policy ecosystem-based policy approach



## The EU's strategic approach to the Black Sea

May 2025

SECURITY, STABILITY & RESILIENCE

FLAGSHIP INITIATIVE: BLACK SEA MARITIME SECURITY

SUSTAINABLE GROWTH & PROSPERITY

FLAGSHIP INITIATIVE: CONNECTIVITY AGENDA

ENVIRONMENTAL PROTECTION, CLIMATE CHANGE RESILIENCE & PREPAREDNESS, & CIVIL PROTECTION

FLAGSHIP INITIATIVE: REINFORCING PREPAREDNESS OF COASTAL COMMUNITIES AND BLUE ECONOMY SECTORS