



## PARTNERS



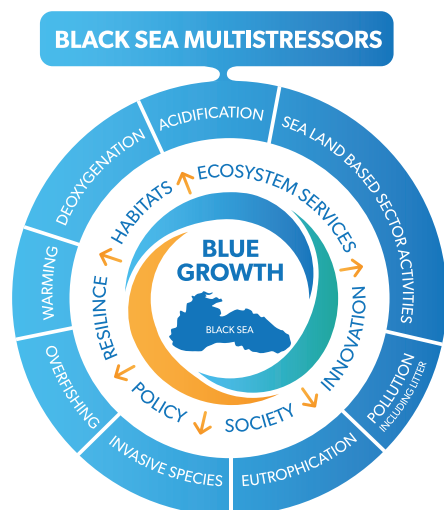
## ADVANCING KNOWLEDGE DELIVERING INNOVATION EMPOWERING CITIZENS

FOR A SUSTAINABLE AND  
CLIMATE-NEUTRAL BLACK SEA



## INTRODUCTION

With unique habitats, abundant resources, and rich cultural heritage, **the Black Sea is vital** to its coastal communities and the broader population of over 160 million inhabiting its watershed. The Black Sea is a distinctive semi-enclosed basin with 10 large rivers flowing into a highly coupled coastal-deep-sea system introducing anthropogenically generated nutrients and pollutants nourishing the largest anoxic-sulfidic water body of the Earth.



## THE CHALLENGE

The Black Sea ecosystem is also unique in being susceptible to increasingly **negative impacts** from several human-induced stressors, such as eutrophication and hypoxia, overfishing, and the introduction of alien species. These **multistressors** are a central challenge to be tackled by BRIDGE-BS.

BRIDGE-BS will develop predictive tools and capabilities necessary to understand and predict the impacts of climate-driven and anthropogenic **multistressors** on the services stemming from Black Sea ecosystems. These services and their responses to stressors will be mapped, monitored, and modeled to identify **a safe operating space** within which a sustainable blue economy can flourish.

## AT A GLANCE

<b>Programme</b>	H2020-BG-2018-2020 (Blue Growth)
<b>Type of Action</b>	Research and Innovation Action
<b>Topic</b>	BG-11-2020
<b>Duration</b>	June 2021 – November 2025
<b>Consortium</b>	33 partners – 15 Countries
<b>Coordinator</b>	Middle East Technical University (METU)
<b>Total Budget</b>	€9 Million

## INTERCONNECTED NODES OF BRIDGE-BS

BRIDGE-BS will advance knowledge and deliver research under three NODES: **Ecosystem Service Dynamics**, **Blue Growth Incubators** and **Empowered Citizens**. The NODES will be highly interlinked, feeding on and into each other.



### NODE1. ECOSYSTEM SERVICE DYNAMICS

Node 1 will assess the status, and develop the multidisciplinary understanding and predictive tools on ecosystem functioning necessary to implement adaptive management.



### NODE2. BLUE GROWTH INCUBATORS

Providing an operational platform to translate scientific ideas into business opportunities and stimulating the ocean economy in the Black Sea will be the main objective of Node 2.



### NODE3. EMPOWERED CITIZENS

Node 3 will support the development of a cohesive, knowledgeable, and literate Black Sea international community.

## WORK PACKAGES

BRIDGE-BS builds its methodology around the three NODES of **Ecosystem Service Dynamics**, **Blue Growth Incubators** and **Empowered Citizens**. A total of **10 work packages** will support the implementation of the project.

