

## G7 Science and Technology Cooperation: The Future of the Ocean



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# seas and oceans are important

4 – Life under water

97% OF EARTH'S WATER

COVERS 75% OF THE EARTH'S SURFACE



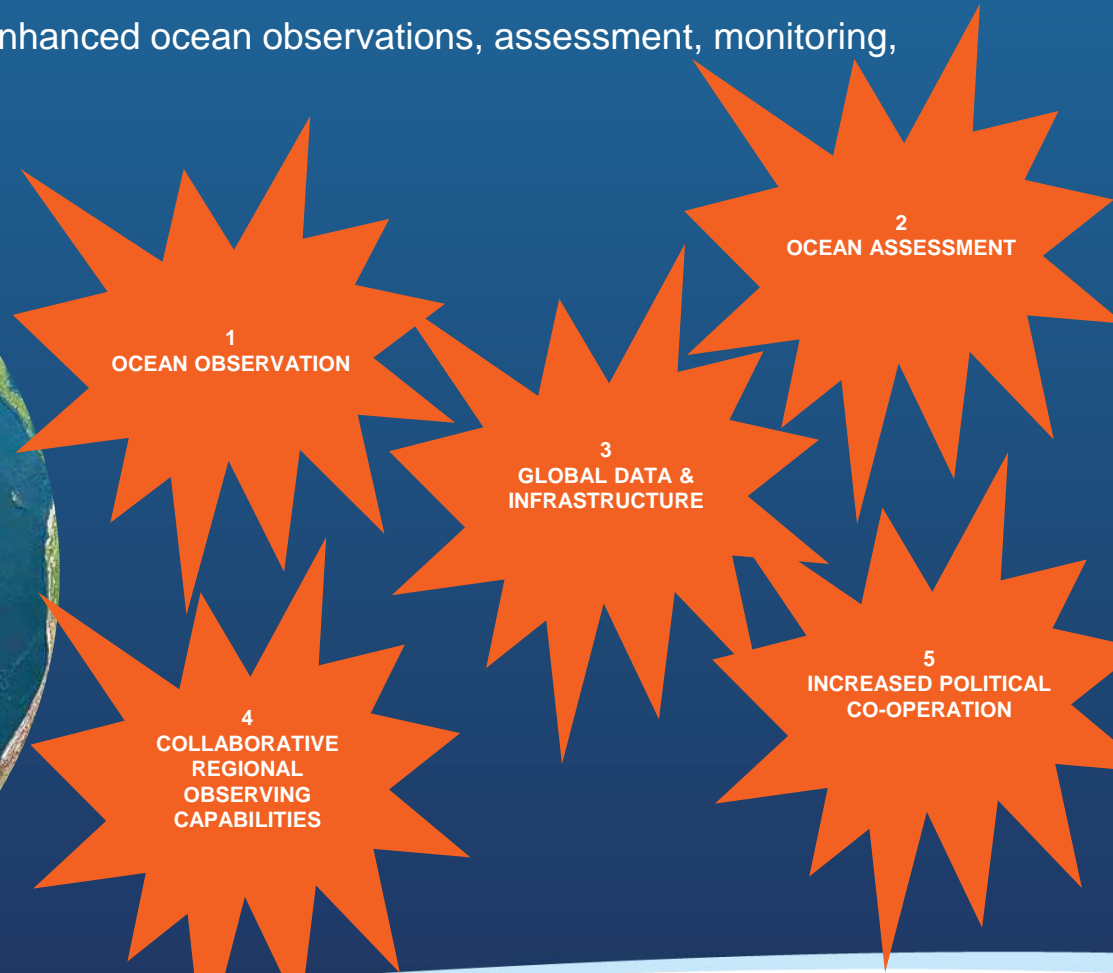
SOCIOECONOMICS

HUMAN HEALTH

SUSTAINABLE ENVIRONMENT

# - 5 actions

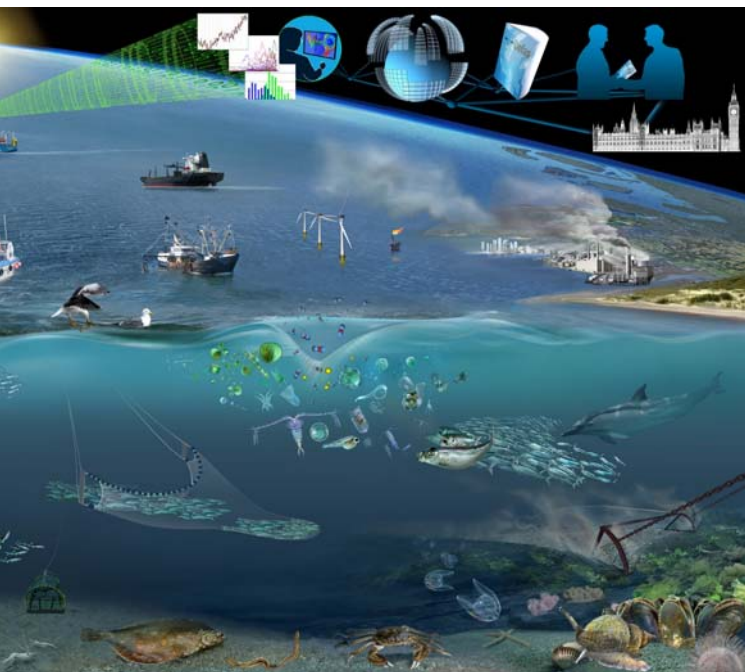
Recognised this is will be achieved by enhanced ocean observations, assessment, monitoring, and data collection, and increased political co-operation and data collection.



## Section 1

able deeper understanding of our seas and how & why they are changing.

ed, global, sustained sea & ocean observing system



### JPI Oceans

JPI Oceans covers all European sea basins with 22 participating countries and provides a long-term integrated approach to marine and maritime research and technology development in Europe.

The SRIA presents ten Strategic Areas, developed and agreed by JPI Oceans (with the support of CSA Oceans) as strategic priorities for marine and maritime research in Europe. Including:

- Technology and Sensor Developments
- Observing, Modelling and Predicting Oceans State and Processes
- Climate Change Impact on Physical and Biological Ocean Processes

## Section 2

Understand the state of the marine environment.

Global ocean assessment



JPI Oceans - 22 countries

- Belgium
- Estonia
- Germany
- Ireland
- Malta
- Poland
- Spain
- United Kingdom
- Croatia
- Finland
- Greece
- Italy
- Netherlands
- Portugal
- Sweden
- Denmark
- France
- Iceland
- Lithuania
- Norway
- Romania
- Turkey

## Section 3

Improve global data sharing infrastructure.

Address the challenges of physical, chemical & biological data

<http://www.jpi-oceans.eu/multi-use-infrastructure-monitoring>



## Section 4

Strengthen collaborative approaches to encourage regional observing capabilities & knowledge networks.

Enable coastal observations for sustainable blue economies

JPI Oceans



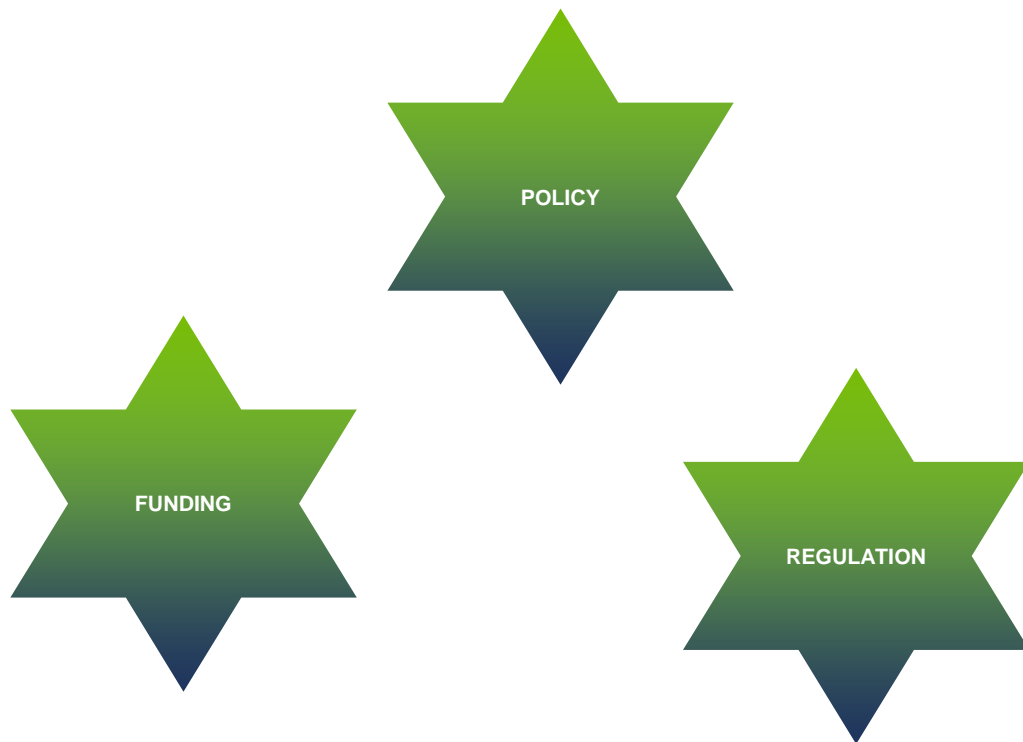
## EUROPEAN MARINE SENSORS CALIBRATION NETWORK



## Action 5

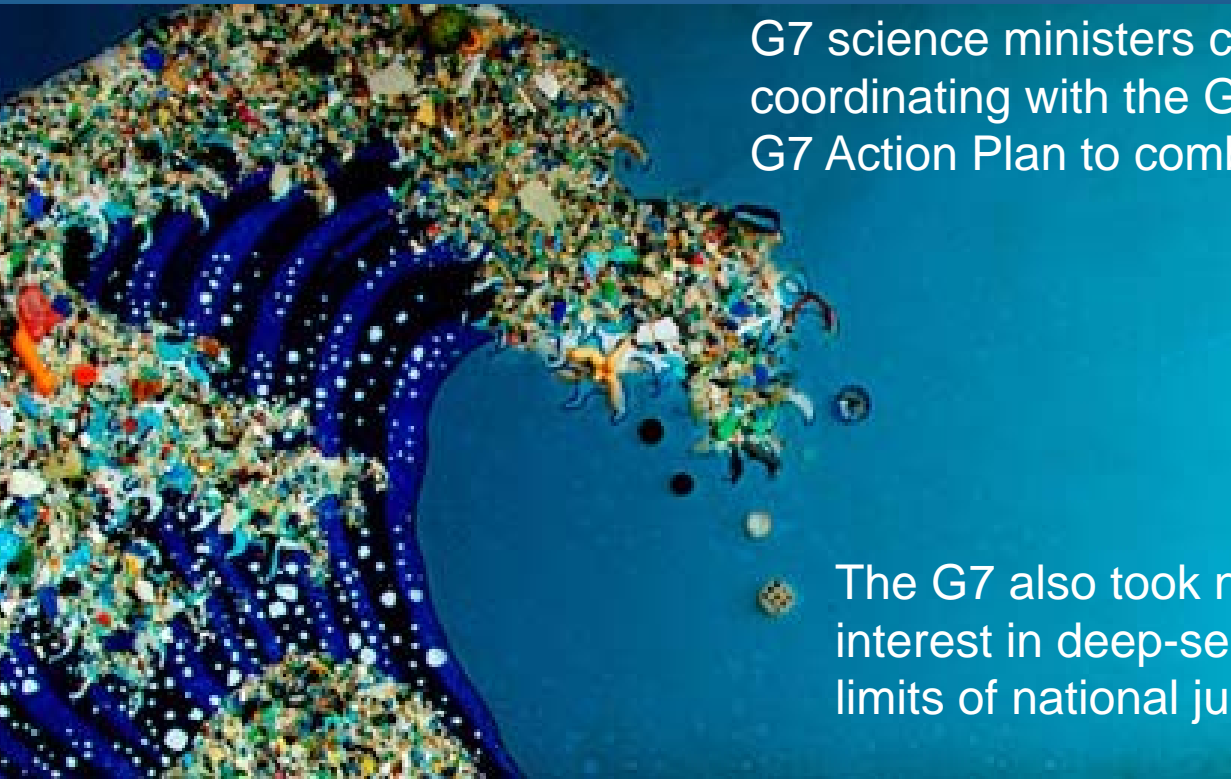
note increased G7 political cooperation

Identifying additional actions to enhance future routine observations





litter & deep sea mining



G7 science ministers committed to coordinating with the G7 countries on the G7 Action Plan to combat marine litter.

The G7 also took note of the growing interest in deep-sea mining beyond the limits of national jurisdiction.



# JPI OCEANS

THANK YOU

