



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

Global Ecosystem for Ocean Solutions (GEOS) Decade Programme

Lead Institution

Ocean Visions

Contact

Emanuele Di Lorenzo
edl@oceanvisions.org

Jessica Keith
jessica.keith@oceanvisions.org

KEY PARTNERS

- Future Seas & CSIRO
- 1000 Ocean Startup
- American Geophysical Union
- Ocean & Climate Platform
- Ocean Network Canada
- BlueTech Cluster Alliance
- ESSO - Indian National Center for Ocean Information Services
- North Pacific Marine Science Organization

DECADE CHALLENGES ADDRESSED

CHALLENGE 4: Develop a sustainable and equitable ocean economy

CHALLENGE 5: Unlock ocean-based solutions to climate change

CHALLENGE 6: Increase community resilience to ocean hazards

CHALLENGE 9: Skills, knowledge and technology for all

OCEAN BASINS

| | |
|----------------|---------------|
| North Atlantic | South Pacific |
| South Atlantic | Indian |
| North Pacific | Arctic |



@Ocean_Visions



Ocean Visions



Ocean Visions

Summary

GEOS will support the development, testing and deployment of equitable, durable and scalable ocean-based solutions for addressing complex ocean health and climate challenges. The GEOS ecosystem will work through three building blocks: (1) GEOS Network - which brings together international partners representing a multi-sector community of researchers, engineers, innovators, investors and decision-makers (2) GEOS Task Forces - which will engage the Ocean Decade's Community of Practice and the GEOS Network to co-design solutions "roadmaps" that identify critical research and innovation needs and articulate a shared vision and agenda to advance ocean-based solutions and (3) GEOS Innovation Engine - which will use the roadmaps as blueprints to catalyze action for co-creating new Decade Actions and activating the research, startup, industry and civil society innovation ecosystem to prototype and deploy those solutions for system-level impacts.

Duration: 18/05/2021 - 31/12/2030

Priority Activities (first 2 years)

1) Establish a series of GEOS Task Forces to begin the co-design and deployment of Ocean Solutions Roadmaps in the following areas:

- ocean-based solutions to climate
- ocean-based food security & nutrition
- equitable coastal climate solutions
- climate justice & equity
- ecosystem & biodiversity climate resilience

2) Advance an initial portfolio of GEOS projects that address critical gaps identified by the GEOS Roadmaps or target Transformational Opportunities (see Blue Climate Initiative Compendium articles). Priorities will be given to projects developing resources that enhance the functions of the GEOS ecosystem, including defining and measuring the impact of ocean innovation, developing leadership training opportunities in ocean solutions, engaging the the Ocean Solutions and Innovation Community of Practice.

3) Host series of ideation and capacity building events such as:

- The Ocean Visions Summit 2023
- Regional Capacity Building Workshops in South America and Africa

"GEOS will bring a multi-sector global community to source, create and catalyze ocean solutions that require integration and synergy from across dimensions - environmental, social, finance, industry, and policy."

*Fiorenza Micheli, Stanford University, GEOS Co-Chair
Anna Zivian, Ocean Conservancy, GEOS Co-Chair
Emanuele Di Lorenzo, Georgia Tech, Chairman of Ocean Visions*



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development
GLOBAL ECOSYSTEM FOR OCEAN SOLUTIONS
GEOS DECADE PROGRAMME