



30 **Flagship Actions for the Ocean 2030**

ACTION PLAN – NATIONAL OCEAN STRATEGY 2021-2030



National Ocean Strategy 2021-2030 Action Plan

The aim of the National Ocean Strategy 2021-2030 (NOS 2021-2030) Action Plan is to be a roadmap to the implementation of the NOS itself and corresponding strategic goals and targets, as well as a guide to its monitoring and assessment.

Regarding the implementation of the NOS 2021-2030, the Action Plan includes several actions distributed by the various priority intervention areas.

Table 1 highlights 30 flagship actions, set as so for their scope and multiplier effect.

Table 2 is a matrix table outlining the structure and rationale of the Action Plan, indicating for each priority intervention area (described in rows), as well as for each strategic goal (described in columns), the group of relevant flagship actions that contribute to their implementation, allowing the user to quickly refer to the desired subareas of interest.

Now that the Action Plan has been approved, it will be analysed by the Inter-ministerial Committee for Ocean Affairs (CIAM), and the timeline for the implementation of each action will be defined, as well as the entity in charge of its coordination.

The actions listed in this Action Plan are grouped into macro-categories, such as finance and tax-benefits, administrative simplification and modernization, support of ocean literacy and qualification of human resources, development and implementation of infrastructures, generation of knowledge, data, information, implementation, security, fostering of innovation and technological development. This classification is essential to the Action Plan follow-up by the CIAM, with the goal of ensuring the implementation of the NOS 2021-2030 and its monitoring, based on the functional articulation of public and private organisations.

This Action Plan will undergo regular reviews, namely at the beginning of each legislative period, so as to include, among others, the relevant actions of each Government Programme.

The governing organisations of the Autonomous Regions may, within the scope of their remits and if they so choose, approve regional action plans with actions and projects that contribute to the strategic goals of the NOS 2021-2030.

Table 1 - 30 Flagship Actions for the Ocean 2030

Strategic Goal (SG)	Action Number	Action Description
 SG 1	1	To implement a national programme for the mapping of marine and coastal habitats, ecosystems, and services, including a status assessment and application of priority restoration measures
 SG 1	4	To classify as protected and effectively manage at least 30% of the ocean waters under Portuguese jurisdiction, pursuant to the European and international goals, including 10% of these areas under strict protection. Additionally, to implement the Portuguese Network of Marine Protected Areas (RNAMP)
 SG 2	26	To operationalize the Ocean Campus with all applicable infrastructures and networks, including establishing the Blue Hub to collect all information on biobanks and national marine collections
 SG 2	36	To draft the strategic plan for seaports infrastructure based on alternative, renewable, and sustainable fuels
 SG 2	44	To establish incentives for stimulating highly qualified blue jobs (Blue Job Voucher)
 SG 3	67	To foster the financing of entrepreneurial and innovation blue economy projects that promote and develop decarbonization, sustainability, circularity, and efficiency models with a positive impact on biodiversity
 SG 3	72	To decarbonize and foster energy transition, efficiency, and autonomy in the ocean economy sectors, the development of technology, and the production of renewable ocean energy
 SG 4	74	To implement national roadmaps for offshore aquaculture and recirculation systems, by fostering research, development, and innovation (R&D&I) geared towards innovative tech solutions for the development of such systems

Strategic Goal (SG)	Action Number	Action Description
 SG 4	76	To foster the full valorisation of fish and fish products by continuing to invest in innovation, by improving working conditions and safety on board, food safety, and energy efficiency in fish storage, and implementing molecular tracing of fish source
 SG 4	77	To convert Portuguese fisheries into one of the most sustainable and low-impact sectors worldwide by 2030, stimulating the allocation of grants for the promotion of sustainable fishing and eliminating all grants harmful to the conservation of the marine environment
 SG 4	81	To prioritize the development of sustainable and circular aquaculture, offshore and in transition and inland waters, and nurture closed-circuit multitrophic production
 SG 5	87	To foster the development of desalinating technology by implementing a domestic 2030 roadmap for desalination, subject to a Strategic Environmental Assessment, so as to gauge the impact its implementation has on the environment
 SG 5	88	To develop quantification and projection models over ten years for the deficit of supply-over-demand of water in coastal areas all year round, by type of use (human consumption, tourism, industry, agriculture, irrigation), and that take into account water from other sources, namely the reuse of treated wastewater and the promotion of water efficiency policies across all sectors
 SG 6	90	To ban, by 2021, specific types of single-use plastics for which there are more sustainable alternatives and to promote a reduction in plastics' use, as well as their reuse and recycling
 SG 6	91	To develop and validate tools that allow to monitor emerging pollutants and toxins in marine-sourced products meant for human consumption or animal feed production
 SG 6	92	To develop an innovative programme on Tourism and Health with three action areas: knowledge, innovation, and community
 SG 6	96	To implement a national programme for the observation, high-resolution mapping, and knowledge of the deep sea in the Exclusive

Strategic Goal (SG)	Action Number	Action Description
SG 7		Economic Zone (EEZ) and extended continental shelf
 SG 7	98	To promote a multidisciplinary R&D&I financing programme for ocean sciences, involving the Portuguese scientific and technological system and the industry, for the development of innovative goods and services in the blue economy
 SG 7	105	To develop technology and to promote surveys to assess the environmental, social, and economic impacts of deep-sea mining
 SG 8	112	To build an integrated strategy to develop inclusive and holistic ocean literacy, including education, qualification, culture, science, and environment
 SG 8	118	To identify strategic areas and update the National Qualifications Catalogue through the ocean-specific Sectoral Council for Qualification
 SG 8	123	To promote Portuguese ocean culture and history by directly supporting various initiatives and ocean-related contemporary and traditional art forms, in Portugal and in Portuguese schools abroad
 SG 8	127	To promote the inventory, scientific knowledge, and classification of nautical and underwater cultural heritage (using robotics), including it into coastal management and policy-decision tools, namely the Maritime Spatial Planning Plan
 SG 9	140	To establish an open access national database with ocean information that includes data collected by foreign research vessels in waters under Portuguese jurisdiction
 SG 9	144	To promote the digitalization of fisheries, fish-processing, and aquaculture 4.0 industries to increase production efficiency and sustainability
 SG 9	152	To create a reindustrialization programme in the blue economy, prioritizing bioeconomy, clean technology, natural engineering, robotics, and sensors, and the full digitalization of the ocean economic sector

Strategic Goal (SG)	Action Number	Action Description
 SG 10	163	To ensure the implementation of NOS 2021-2030 using the available financial resources as well as those of the Implementation Commission for Ocean Integrated Territorial Investment (ITIMar), as included in Portugal 2020, and the future articulation with Portugal 2030, as well as its monitoring by the SEAMInd Platform
 SG 10	165	To operationalize the Atlantic Observatory in coordination with the Atlantic International Research Centre (AIR Centre), involving the Autonomous Regions of the Azores and Madeira
 SG 10	170	To develop a National Maritime Security Strategy in line with the EU Maritime Security Strategy
 SG 10	172	To develop a programme to build manned and unmanned naval and aerial means for the surveillance, inspection, and control of the ocean and coast

Legend:

- SG1** - Fight Climate Change and Pollution and Protect and Restore Ecosystems
- SG2** - Foster Employment and a Circular and Sustainable Blue Economy
- SG3** - Decarbonise the Economy and Promote Renewable Energies and Energy Autonomy
- SG4** - Invest in the Assurance of Sustainability and Food Security
- SG5** - Facilitate Water Access & Supply
- SG6** - Promote Health and Wellbeing
- SG7** - Stimulate Scientific Knowledge, Technological Development and Blue Innovation
- SG8** - Improve Education, Qualification, Culture, and Ocean Literacy
- SG9** - Incentivize Reindustrialization and Productive Capacity and Ocean Digitalization
- SG10** - Ensure Safety, Sovereignty, Cooperation, and Governance

Table 2 – Matrix of Flagship Actions by Strategic Goal (SG) and Priority Intervention Area (PIA)

	 SG 1	 SG 2	 SG 3	 SG 4	 SG 5	 SG 6	 SG 7	 SG 8	 SG 9	 SG 10
PIA 1	1, 26, 36, 67, 72, 77, 90, 105, 165	1, 26, 36, 44, 67, 72, 74, 76, 77, 81, 90, 96, 98, 105, 140, 144, 152, 163, 172	26, 36, 67, 72, 76, 90, 96, 98, 105, 140, 152	26, 72, 74, 76, 77, 81, 90, 91, 98, 140, 144, 152, 172	26, 72, 88, 98, 152	26, 76, 81, 90, 91, 98, 152	1, 26, 36, 67, 72, 74, 76, 81, 88, 90, 91, 96, 98, 105, 127, 140, 144, 152, 163, 165, 172	26, 112, 127	1, 26, 36, 72, 74, 81, 90, 98, 105, 140, 144, 152, 172	1, 96, 140, 163, 165, 172
PIA 2		44, 118, 163					127, 163	112, 118, 123, 127		163
PIA 3	1, 4, 26, 67, 77, 90, 165	1, 4, 26, 44, 67, 77, 81, 87, 90, 96, 98, 140, 163, 172	26, 67, 90, 96, 98, 140	4, 26, 77, 81, 87, 90, 98, 140, 172	26, 98	4, 26, 81, 90, 98	1, 26, 67, 81, 90, 96, 98, 127, 140, 163, 165, 172	26, 112, 127	1, 26, 81, 90, 98, 140, 172	1, 4, 87, 96, 140, 163, 165, 170, 172
PIA 4	1, 4, 26, 67, 72, 77, 90, 105	1, 4, 26, 44, 67, 72, 74, 76, 77, 81, 87, 90, 92, 96, 98, 105, 140, 144, 152, 163	26, 67, 72, 76, 90, 96, 98, 105, 140, 152	4, 26, 72, 74, 76, 77, 81, 87, 90, 98, 140, 144, 152	26, 72, 98, 152	4, 26, 76, 81, 90, 92, 98, 152	1, 26, 67, 72, 74, 76, 81, 90, 96, 98, 105, 140, 144, 152, 163	26	1, 26, 72, 74, 81, 90, 98, 105, 140, 144, 152	1, 4, 87, 96, 140, 163

	 SG 1	 SG 2	 SG 3	 SG 4	 SG 5	 SG 6	 SG 7	 SG 8	 SG 9	 SG 10
PIA 5	1, 4, 26, 67, 72, 77, 105	1, 4, 26, 44, 67, 72, 74, 76, 77, 81, 87, 96, 98, 105, 140, 144, 152, 163, 172	26, 67, 72, 76, 96, 98, 105, 140, 152	4, 26, 72, 74, 76, 77, 81, 87, 91, 98, 140, 144, 152, 172	26, 72, 98, 152	4, 26, 76, 81, 91, 98, 152	1, 26, 67, 72, 74, 76, 81, 91, 96, 98, 105, 140, 144, 152, 163, 172	26	1, 26, 72, 74, 81, 98, 105, 140, 144, 152, 172	1, 4, 87, 96, 140, 163, 172
PIA 6	1, 26, 36, 67, 72, 77, 105	1, 26, 36, 44, 67, 72, 74, 76, 77, 81, 96, 98, 105, 140, 144, 152, 163, 172	26, 36, 67, 72, 76, 96, 98, 105, 140, 152	26, 72, 74, 76, 77, 81, 98, 140, 144, 152, 172	26, 72, 98, 152	26, 76, 81, 98, 152	1, 26, 36, 67, 72, 74, 76, 81, 96, 98, 105, 127, 140, 144, 152, 163, 172	26, 127	1, 26, 36, 72, 74, 81, 98, 105, 140, 144, 152, 172	1, 96, 140, 163, 172
PIA 7	26, 36, 67, 72, 105	26, 36, 44, 67, 72, 96, 98, 105, 140, 152, 163	26, 36, 67, 72, 96, 98, 105, 140, 152	26, 72, 98, 140, 152	26, 72, 98, 152	26, 98, 152	26, 36, 67, 72, 96, 98, 105, 140, 152, 163	26	26, 36, 72, 98, 105, 140, 152	96, 140, 163
PIA 8	4, 26, 67, 72	4, 26, 44, 67, 72, 92, 98, 163	26, 67, 72, 98	4, 26, 72, 98	26, 72, 98	4, 26, 92, 98	26, 67, 72, 98, 127, 163	26, 123, 127	26, 72, 98	4, 163
PIA 9	26, 36, 67, 72	26, 36, 44, 67, 72, 74, 96, 98, 152, 163	26, 36, 67, 72, 96, 98, 152	26, 72, 74, 98, 152	26, 72, 98, 152	26, 98, 152	26, 36, 67, 72, 74, 96, 98, 152, 163	26	26, 36, 72, 74, 98, 152	96, 163, 170

	 SG 1	 SG 2	 SG 3	 SG 4	 SG 5	 SG 6	 SG 7	 SG 8	 SG 9	 SG 10
PIA 10	26, 36, 67, 72, 77, 105	26, 36, 44, 67, 72, 74, 76, 77, 81, 98, 105, 152, 163, 172	26, 36, 67, 72, 76, 98, 105, 152	26, 72, 74, 76, 77, 81, 98, 152, 172	26, 72, 98, 152	26, 76, 81, 98, 152	26, 36, 67, 72, 74, 76, 81, 98, 105, 152, 163, 172	26	26, 36, 72, 74, 81, 98, 105, 152, 172	163, 172
PIA 11	1, 4, 26, 36, 72	1, 4, 26, 36, 44, 72, 140, 163	26, 36, 72, 140	4, 26, 72, 140	26, 72	4, 26	1, 26, 36, 72, 127, 140, 163	26, 127	1, 26, 36, 72, 140	1, 4, 140, 163
PIA 12	1, 26, 36, 67, 72, 105	1, 26, 36, 44, 67, 72, 92, 96, 98, 105, 140, 152, 163	26, 36, 67, 72, 96, 98, 105, 140, 152	26, 72, 98, 140, 152	26, 72, 98, 152	26, 92, 98, 152	1, 26, 36, 67, 72, 96, 98, 105, 140, 152, 163	26	1, 26, 36, 72, 98, 105, 140, 152	1, 96, 140, 163
PIA 13		87, 172		87, 172			172		172	87, 170, 172

Legend:

- SG1** - Fight Climate Change and Pollution and Protect and Restore Ecosystems
- SG2** - Foster Employment and a Circular and Sustainable Blue Economy
- SG3** - Decarbonise the Economy and Promote Renewable Energies and Energy Autonomy
- SG4** - Invest in the Assurance of Sustainability and Food Security
- SG5** - Facilitate Water Access & Supply
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- SG7** - Stimulate Scientific Knowledge, Technological Development and Blue Innovation
- SG8** - Improve Education, Qualification, Culture and Ocean Literacy
- SG9** - Incentivize Reindustrialization and Productive Capacity and Ocean Digitalization
- SG10** - Ensure Safety, Sovereignty, Cooperation and Governance

- PIA1** - Science and Innovation
- PIA2** - Education, Qualification, Culture and Ocean Literacy
- PIA3** - Biodiversity and Marine Protected Areas
- PIA4** - Bioeconomy and Blue Biotech
- PIA5** - Fisheries, Aquaculture, Processing and Commerce
- PIA6** - Robotics and Digital Technologies
- PIA7** - Renewable Ocean Energy
- PIA8** - Tourism, Recreational Boating and Sports
- PIA9** - Ports, Maritime Transport, Logistics and Communications
- PIA10** - Shipyards, Shipbuilding and Ship Repair
- PIA11** - Coastal Management, Construction and Infrastructures
- PIA12** - Non-living Resources
- PIA13** - Maritime Security, Defence and Surveillance