

Southern Ocean Decade Survey

Based on the recommendations in the global implementation plan of the United Nations Decade of Ocean Science for Sustainable Development (2021-2030), members of the Southern Ocean community set up a [Task Force](#) to develop the Southern Ocean Action Plan. This Action Plan will provide a framework for Southern Ocean stakeholders to formulate and develop concrete activities that support the [Decade vision](#).

To ensure this Action Plan represents the diverse perspectives and priorities of a wide range of Southern Ocean stakeholders, the Southern Ocean Task Force is now soliciting your input. Whether you are an early career professional or have an extensive background in polar activities, or you represent an institute, programme or initiative, your insights into how Southern Ocean science should evolve over the coming years to achieve the [UN Sustainable Development Goals](#) will provide valuable information to develop an inclusive Action Plan.

Together with outputs from the [First Southern Ocean Workshop](#), the Task Force collated strategic and scientific priorities from our individual implementation plans, together with those outlined in previous polar and Antarctic initiatives, including the SCAR Horizon Scan (2014), COMNAP Antarctic Roadmap Challenges (2016) and EU-PolarNet (2016). These are outlined in our report entitled 'Review of identified priorities for the Southern Ocean in the context of the UN Ocean Decade'.

We kindly ask that you **read our [report](#)** and complete the attached questionnaire **no later than 23:59 UTC on 18 June 2021**. We anticipate that it will take you about an hour to read the report and complete the survey. We encourage you to provide as much additional information you feel is relevant at the end of the survey.

The information that you provide will be used exclusively by the Southern Ocean Task Force to develop a Draft Southern Ocean Action Plan, which will be open for consultation at the 2nd Southern Ocean Regional Workshop in September 2021.

Thank you for taking the time to share your insights on the Southern Ocean contribution to the UN Decade of Ocean Science for Sustainable Development.

Demography data

Are you filling this survey as a representative of an Organisation/Community?

Yes, as a representative of an Organisation/Community

No, on a personal basis

What is the name of your Organisation/Community? *

Contact information *

example@example.com

Professional affiliation *

Scientist/Academic (University or Research Institute)

Non-governmental organisation

Public sector

Government and/or international governmental organisation

Business & Industry sector

Main area of interest *

Physical oceanography

Marine ecosystems and biodiversity

Cryosphere

Marine geology/ Geophysics

Life sciences

Human welfare (education, human health)

Conservation / Environmental Management

Chemical oceanography / Marine biogeochemistry

Climate system

Palaeoceanography / Palaeoclimate

Astronomy, astrophysics, and space

Social sciences

Business & Industry (fisheries, tourism, etc.)

Country of current residence *

Years working in Southern Ocean science, research, governance, and other activities and/or related fields. *

< 2 years

2-5 years

5-10 years

10+ years

Gender *

F

M

Non-binary

Please refer to the section entitled "Cross-cutting themes" on page 3 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

Continue

Are your current and future objectives and/or those of your organisation/programme/other well represented in this section of the report? *

Well

Fair

Poor

Are there priorities that have not been addressed in this section of the report? *

Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 6 (lowest).

1 2 3 4 5 6

Ensure capacity development and access to knowledge

Sharing data and infrastructure

Technological improvements

Capacity building

Improve interdisciplinary capacity and knowledge integration

Science

Policy

Business & Industry

Facilitate transnational cooperation and complementarity

Ensure long-term funding

Frame Southern Ocean questions and issues in terms of social needs

Create synergies with the Arctic community

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 1 - A clean ocean where sources of pollution are identified, reduced or removed" on page 7 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

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Well

Fair

Poor

Are there priorities that have not been addressed in this section of the report? *

Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 4 (lowest).

1 2 3 4

Understand the extent of pollution

Understand the effects of pollution on the natural world

Prevent and recover from environmental damages

Transition to a greener industry

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 2: How to achieve - A healthy and resilient ocean where marine ecosystems are understood and managed" on page 8 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

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Well

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Poor

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Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 4 (lowest).

1 2 3 4

Improve understanding of key drivers of change and their impacts on Southern Ocean species and ecosystems

- *Food webs*
- *Invasive Alien Species*
- *Resilience & Adaptation*

Improve understanding of sea ice, including its role in ecological processes of the Southern Ocean

Improve understanding of Southern Ocean biogeochemical cycling. The Southern Ocean plays a key role in biogeochemical cycling, particularly in regulating air-sea exchange of carbon dioxide in the global carbon cycle

Improve understanding of the Southern Ocean's role within the Earth Climate System (Cross-cuts Outcome 4)

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 3: How to achieve - A productive ocean supporting sustainable food supply and a sustainable ocean economy" on page 11 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

Continue

Are your current and future objectives and/or those of your organisation/programme/other well represented in this section of the report? *

Well

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Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 3 (lowest).

1 2 3

Increase the suite, types and reliability of measurements, including those focused on ecosystem change, needed to inform management and policy

Ensure a sustainably harvested and productive Southern Ocean by working towards a stronger interface between science and policy

Ensure science-based and effective MPAs and uphold sustainable fisheries management and tourism development

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 4: How to achieve

- A predicted ocean where society understands and can respond to changing ocean conditions" on page 13 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

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No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 3 (lowest).

1 2 3

Understand the likely change of fundamental processes in the Southern Ocean in the future

Enhance and expand observational capability to support predictions

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 5: How to achieve - A safe ocean where life and livelihoods are protected from ocean-related hazards" on page 15 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

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Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 4 (lowest).

1 2 3 4

Improve forecasting capabilities

Understand the impacts of changing environmental conditions on risk and vulnerability

Improve emergency response competences

Engage with policy-makers

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 6: How to achieve - An accessible ocean with open and equitable access to data, information and technology and innovation" on page 16 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

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Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 3 (lowest).

1 2 3

Ensure knowledge access and capacity building - *See-cross cutting 1*

Facilitate transnational cooperation and complementarity - *See-cross cutting 3*

Promote stakeholder participation - *See-cross cutting 2*

Any further comments

0/500

Please refer to the section entitled "Societal Outcome 7: How to achieve - An inspiring and engaging ocean where society understands and values the ocean in relation to human wellbeing and sustainable development" on page 17 of the report to fill out the following questions.

If this section is not relevant for you or, if your knowledge/experience around this theme is limited, you may opt out and skip to the next section. *

Opt out

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Well

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Poor

Are there priorities that have not been addressed in this section of the report? *

Yes

No

If yes, please indicate which one(s) *

0/500

Please rank the objectives in order of priority from 1 (highest) to 2 (lowest).

1

2

Recognize the value of the Southern Ocean

Increase stakeholder engagement - *See cross-cutting 2*

Any further comments

0/500

Any final comments?

If you wish to be kept informed, please fill in your contact information below.

This information will be kept confidential and solely used for the mentioned purpose above.

Name

First Name

Last Name

Email

example@example.com

