

**International
Science Council**

The global voice for science





There is no great
benefit enjoyed by
humanity that does
not come from the
sciences



The International Science Council: the global voice for science

Politics needs Science more than ever

Cedric Villani

Chair, Parliamentary Office for the Evaluation of
Scientific and Technological Choices (France)

MÁS VIDEOS



The International Science Council: the global voice for science

No global challenge that
we aim to solve as
scientists can be solved
without the participation
of the social sciences

MÁS VIDEOS

Heide Hackmann
Chief Executive Officer,
International Science Council



*A voice for
Science, global
and unified*

2018



ICSU


International Council for Science

1931



international social science council

1952



**A truly global
scientific institution**

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The International Science Council: the global voice for science



Compartir



International
Science Council

DAVID. 2018

More effective global policy making

Climate Change

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Environmental Degradation

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Artificial Intelligence

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Urbanisation

Anna B.

Sabine L.


Annie B.

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Global Pandemics

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Vision: Science as a global public good

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One
global partner

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ESSENTIALS



OUR VISION

The vision of the council is to advance science as a *global public good*



OUR MISSION

The mission of the Council is to be the *global voice for science*

OUR MEMBERS



140

National and Regional Scientific Organizations, including Academies and Research Councils



45

International Scientific Unions and Associations, across the natural and social sciences



70

International Affiliates, including organizations like The World Academy of Sciences, the International Institute for Applied Systems Analysis, the Global Young Academy

We maintain **active partnerships** with:
Other international scientific bodies, including the InterAcademy Partnership, the World Federation of Engineering Organizations and the Global Research Council

iap



**GLOBAL
RESEARCH
COUNCIL**

OUR GOVERNING BOARD

Our Governing Board is elected by the ISC membership.



PETER GLUCKMAN

PRESIDENT

New Zealand



SAWAKO SHIRAHASE

VICE PRESIDENT FOR FINANCE

Japan



ANNE HUSEBEKK

VICE-PRESIDENT FOR FREEDOM AND
RESPONSIBILITY IN SCIENCE

Norway



MOTOKO KOTANI

VICE PRESIDENT FOR SCIENCE AND
SOCIETY

Japan



SALIM ABDOOL KARIM

VICE PRESIDENT FOR OUTREACH
AND ENGAGEMENT

South Africa

OUR REGIONS



Latin America and the Caribbean

Based at the
Colombian Academy
of Exact, Physical and
Natural Sciences



Asia and the Pacific

Based at the Australian
Academy of Science



Africa

Agreement with Future
Africa to co-design the ISC's
presence in Africa.

The ISC has Members and partners across the world and is active in all regions.

The **ISC Regional Offices** convene the scientific community and act as a hub for ISC Members and activities in **Latin America and the Caribbean, Asia and the Pacific and Africa.**



A STRATEGIC VISION FOR THE REGIONAL VOICE OF SCIENCE IN LATIN AMERICA AND THE CARIBBEAN

Members of the Liaison Committee: Enrique Forero, Chair, RFP-LAC-ISC, Dora-Luz Flores, Graciela Díaz de Delgado, Germán Gutiérrez, Elisa Reis, Ana Rada, Daniel Peluffo, Luis Sobrevia, Luisa Echeverría-King, Silvina Ponce Dawson, Carmen Samayoa, Adelle Thomas.



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PRIORITIES

ISC PRIORITIES



The ISC in Global Policy
and the UN



Membership



Freedom and
Responsibility in Science



Global Commission on
Science Missions for
Sustainability



Regional presence



ISC Fellowship



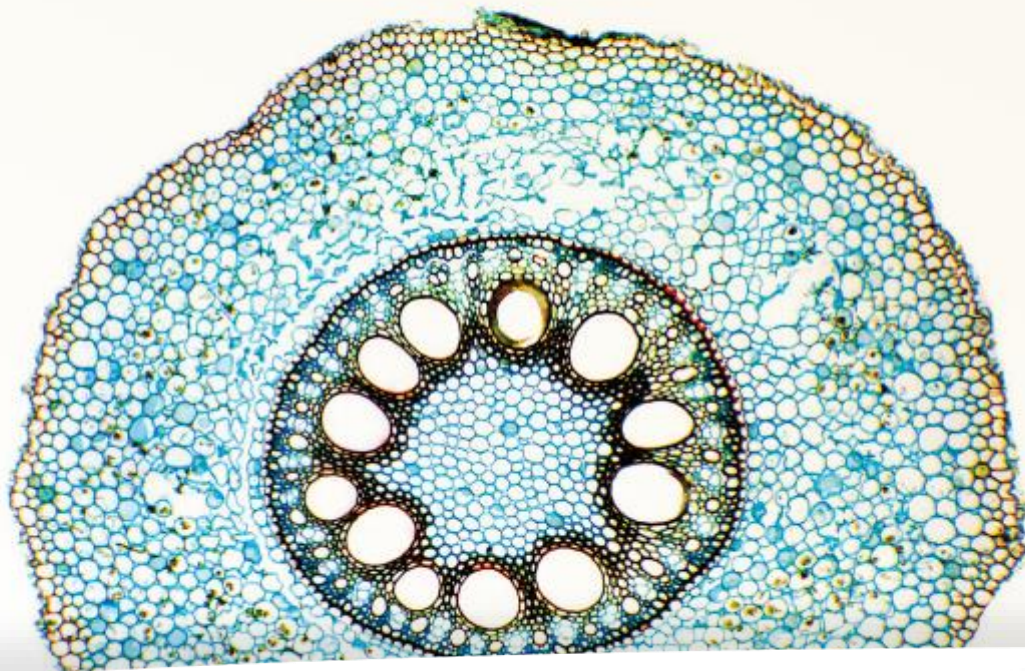
Centre for Science Futures



ISC Charitable Trust

SCIENCE AND SOCIETY IN TRANSITION

ISC ACTION PLAN: 2022–2024



THE ISC ACTION PLAN

The ISC works with its members, partners and sponsored initiatives on a set of targeted, priority projects, which are set out in regular multi-year Action Plans.

Our 2022-2024 Action Plan sets out an agenda for transformative action across five domains of impact:

- Global Sustainability
- Converging Science and Technology in a Digital Era
- Science in Policy and Public Discourse
- Changing Practices in Science and Science Systems
- Freedom and Responsibility in Science

The next slides reflect some of the issues we're actively working on – and thinking about – under each domain.

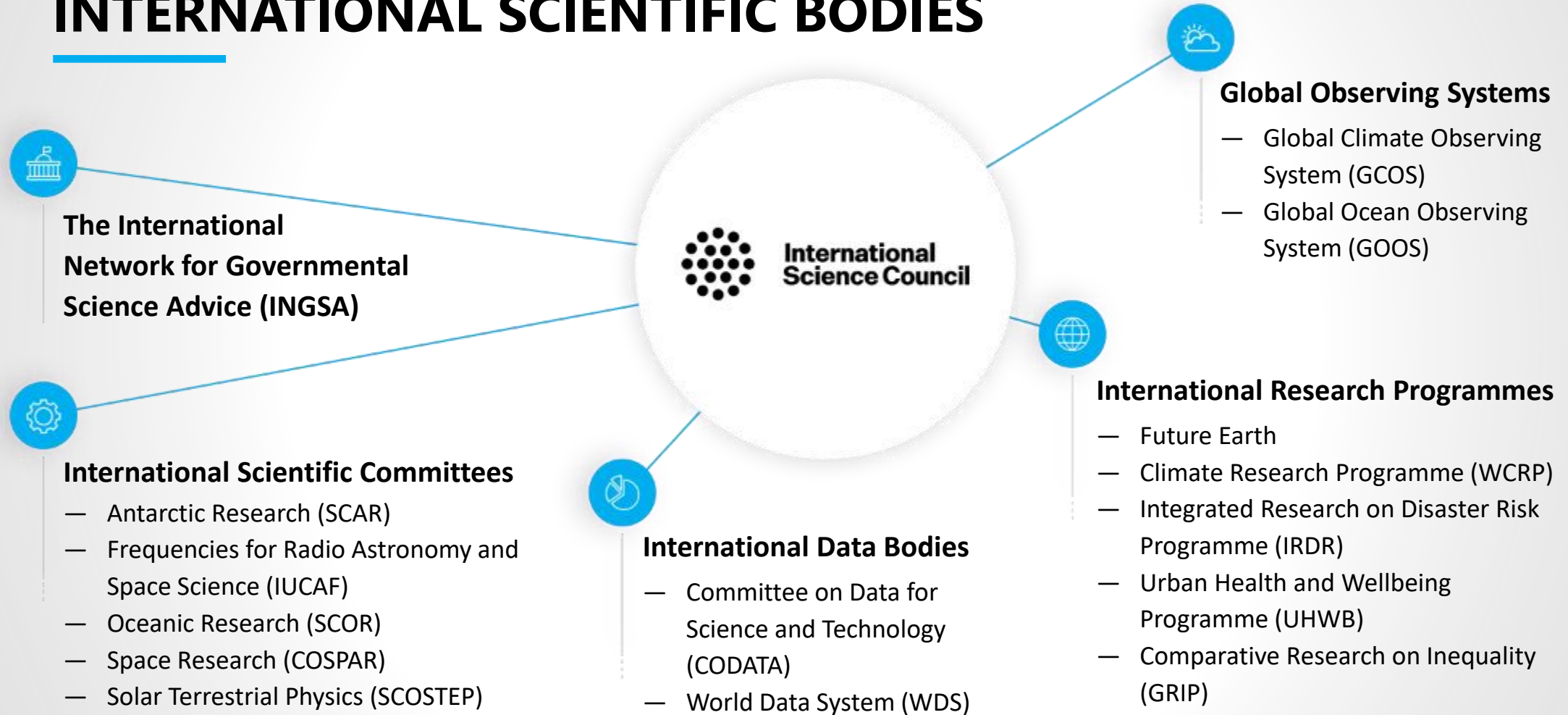
<https://council.science/actionplan/>



3

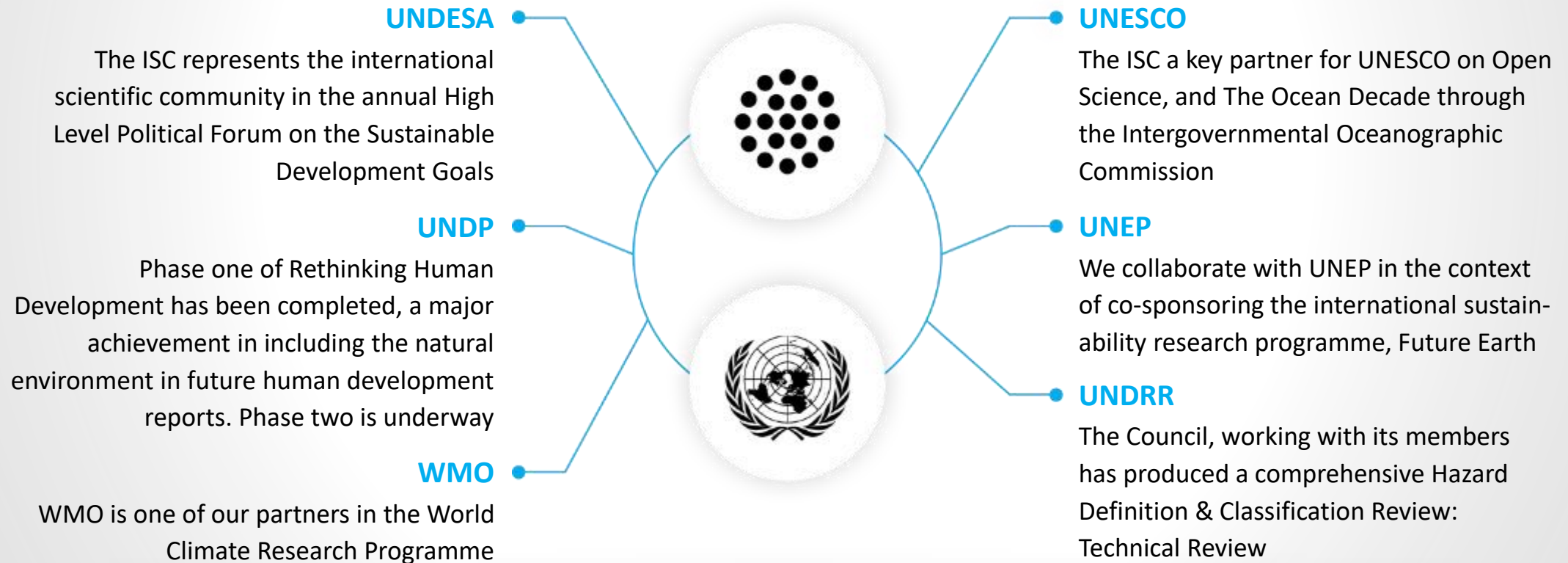
CORE AND ONGOING ACTIVITIES

ISC SPONSORED AND AFFILIATED INTERNATIONAL SCIENTIFIC BODIES



THE ISC LEADS ON INTERFACING AT THE UN

The ISC is a Lead Coordinator of the UN Major Group for Science and Technology. In this role the Council works with the World Federation of Engineering Organizations (WFEO) to secure a mandate for science at the UN.

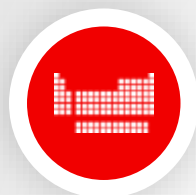


ENGAGING IN GLOBAL POLICY PROCESSES

Representing science in major global policy processes, focusing on the post-2015 development agenda, including the:

- 2030 Agenda for Sustainable Development
- Sendai Framework for Disaster Risk Reduction (UNDRR)
- Intergovernmental Oceanographic Commission of UNESCO
- Paris Agreement on Climate Change (UNFCCC)
- New Urban Agenda (UN-Habitat)
- Convention on Biodiversity





2019

IUPAC

International Year
of the Periodic
Table of Chemical
Elements

2020

ICA

International
Year of Sound

2021-2030

UNESCO-IOC

International
Decade of Ocean
Science for
Sustainable
Development

2022

IUPAP

International Year
of Basic Sciences
for Development

2022-2023

**ISC Global
Knowledge
Dialogue**

Towards a new series
of multi-stakeholder
Global Knowledge
Dialogues

2034

UN

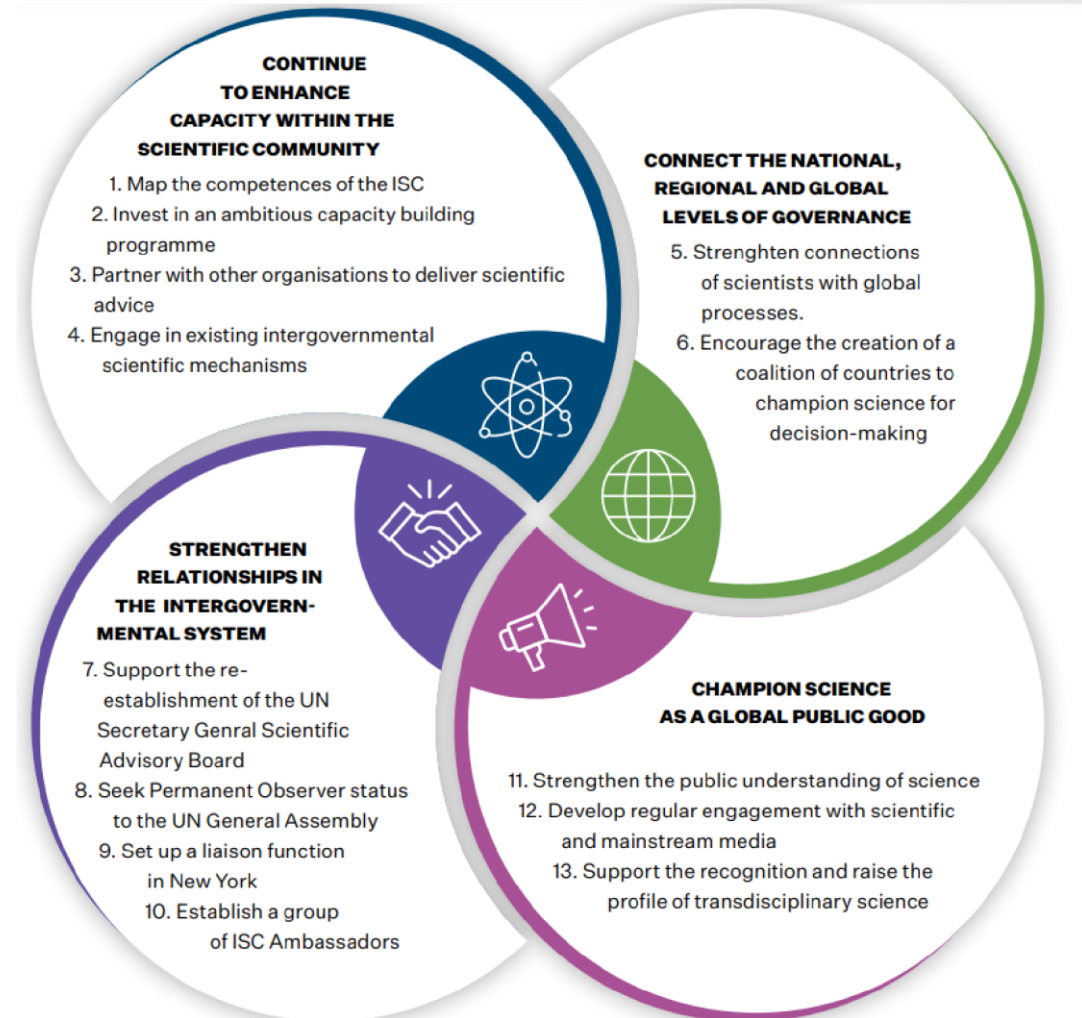
International
Decade of
Sustainability

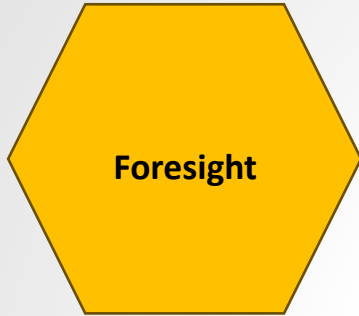
Final report of the Steering Group advising the ISC on its

STRATEGY IN THE INTERGOVERNMENTAL SYSTEM

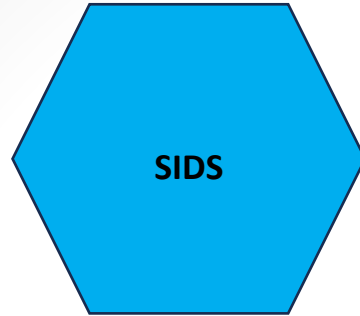
December 2021

ISC strategy: key pillars





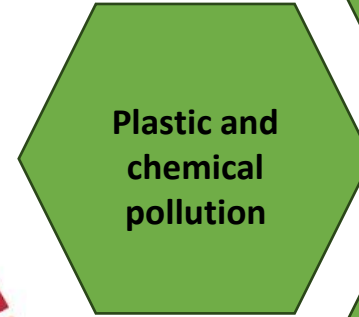
Foresight for decision-making
Environmental Foresight



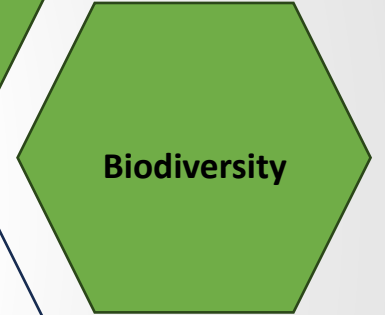
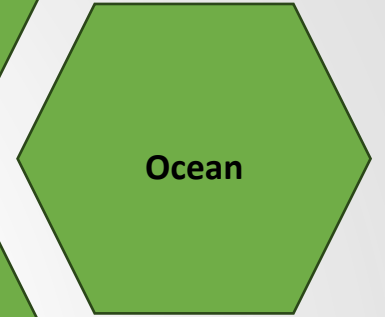
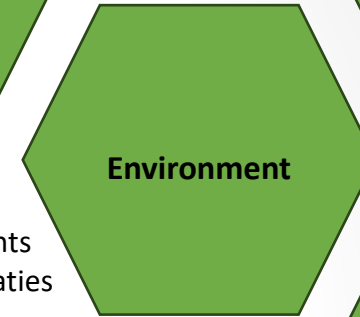
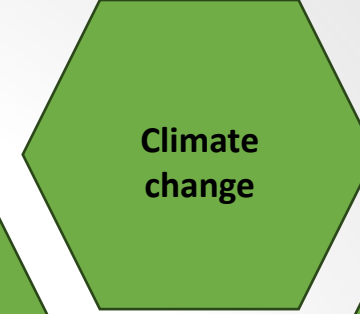
SIDS-4 conference



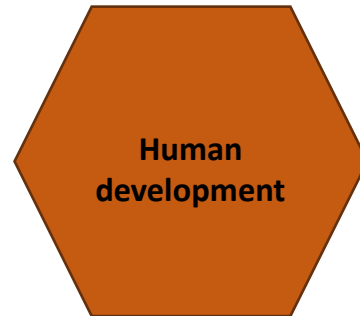
STI Forum
High Level Political Forum
Global Sustainable
Development Report
International Decade of
Sciences for Sustainable
Development



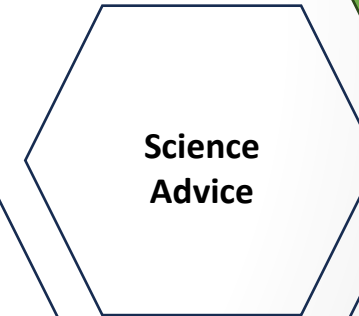
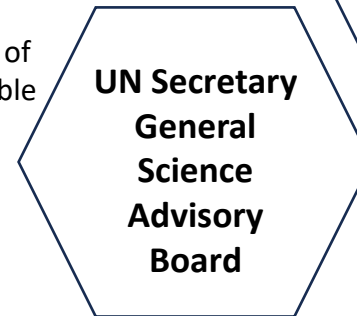
Global assessments
Conventions, treaties



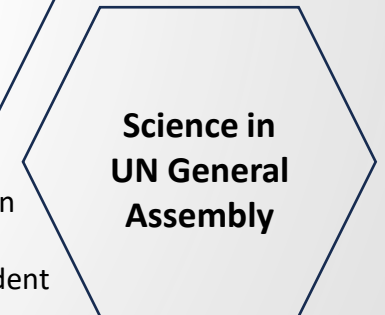
Hazard Definition and classification
Sendai Mid-term Review



Alternative definition and measures
of development and well-being



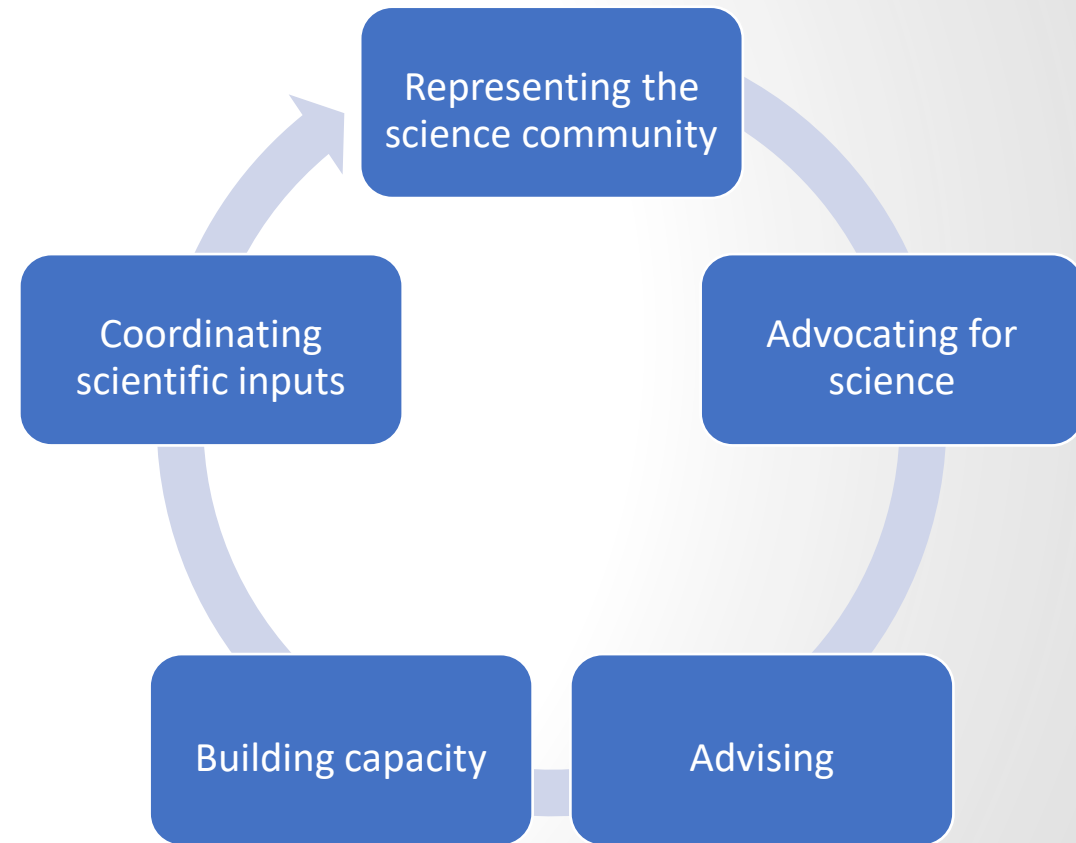
Group of Friends on
Science for Action
Office of the President
of the UN General
Assembly



Evidence-informed decision-making, STI systems, science diplomacy, trust in science



ISC's roles



ISC and the UN: avenues for cooperation

UN bodies

- Partnership agreements including with ECOSOC, WHO, UNDP, UNEP, UNDRR, ITU
- Formal observer role including with ECOSOC, UNESCO, ITU, IPBES, IPCC, UNFCCC
- Co-sponsorship of research programmes on global environmental change e.g. WCRP, GOOS

Member States

- Group of Friends on Science for Action convened by South Africa, India and Belgium and supported by ISC and UNESCO as joint Secretariat

Civil society

- Co-convenor of the UN Science and Technology Major Group together with WFEO for Agenda 2030 policy processes and for the Sendai Framework for Disaster Risk Reduction

The ISC in New York



What we're doing:

- Raising the ISC's profile at the UN
- Serving as trusted knowledge broker
- Advancing the science-policy interface

How we're doing it:

- Group of Friends on Science for Action
- Summit of the Future
- Meetings, events, ad hoc requests
- Building on strengths of ISC members

POLICY BRIEF: Global Sea- Level Rise

Author: International Science Council (ISC)

Contributors: Théophile Bongarts Lebbe; John Church; Florence Colleoni; Michael Elliott; Jochen Hinkel; Héliène Jacot des Combes; Michelle Mycoo; Tim Naish; Joanna Post; Michelle Scobie; Anne-Sophie Stevance; Adelle Thomas; Roderik van de Wal; D.G. Webster

Coordination: Morgan Seag, ISC Liaison to the UN System

Acknowledgments: Special thanks to the Scientific Committee on Oceanic Research, Scientific Committee on Antarctic Research, Future Earth Coasts, Future Earth Ocean Knowledge Action Network, and IOC Global Sea Level Observing System



Members' engagement

- Project-based expert groups (e.g. plastic pollution treaty)
- Event-based expert groups (e.g. 2023 UN Water Conference)
- Nominations of speakers, experts, reviewers (e.g. GSDR)
- Statements (e.g. HLPF)
- Training (2024 training on science advice with INGSA)

Modalities

- Call for nominations of experts
- Roster of experts (pilot phase)
- Interface with UN missions (pilot phase)
- AI tool to search members' database of experts

Operations

Global Science Policy Unit

Mobilizing scientific and policy expertise in the UN and intergovernmental processes



Anne-Sophie Stevance

Senior Science Officer



Anda Popovici

Science Officer



James Waddell

Science Officer, Political Affairs
Liaison



Morgan Seag

Liaison to the UN system



Hélène Jacot des
Combes

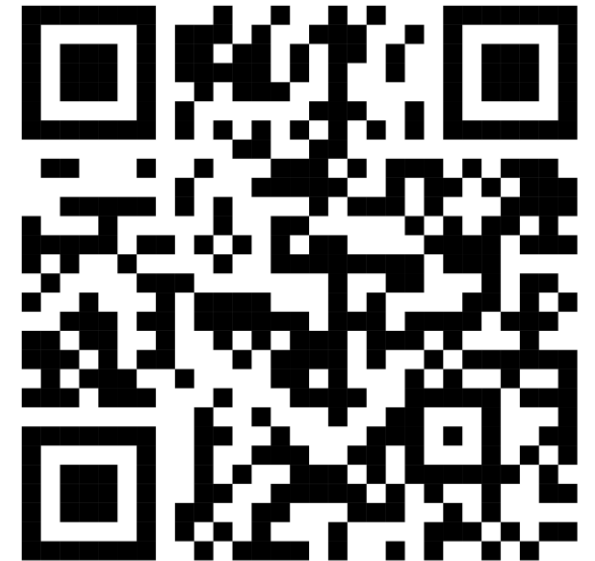
Project Manager



Olivia Tighe

Administrative Officer

- Dedicated unit within the ISC secretariat
- Full time ISC representation in NYC and regular delegations to Geneva
- Seconded-experts from members and partners on specific projects (eg. UNEP Foresight)





HAVING IMPACT

1 **HELP SOURCE DIVERSE EXPERTISE**

Circulate the call for expressions of interest for the ISC Roster of experts and respond to call for nominations or inputs

2 **DISSEMINATE MESSAGES**

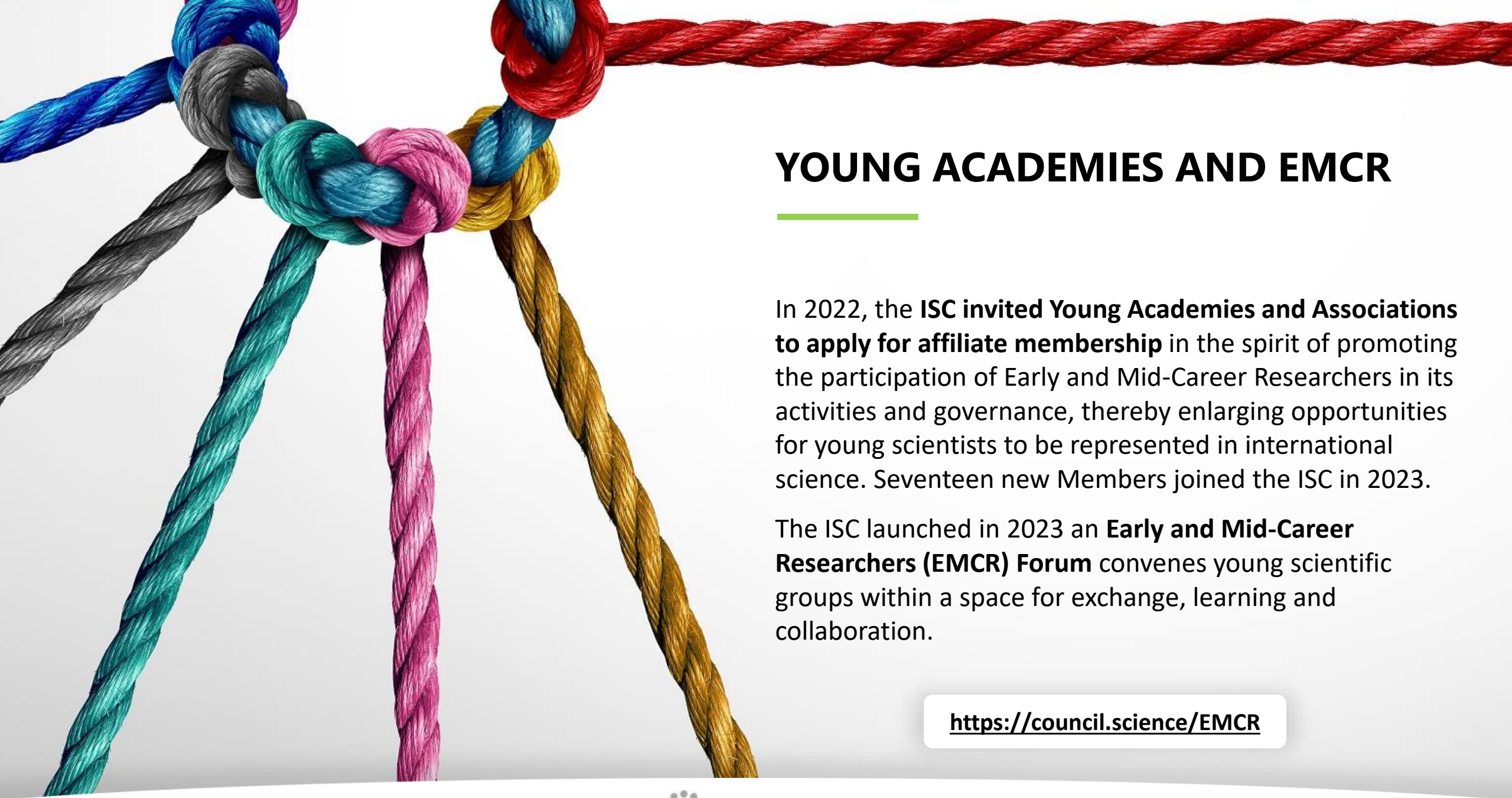
Help us disseminate knowledge products and statements to your stakeholders and governments

3 **IDENTIFY TRAINING NEEDS**

Let us know about your needs for capacity development in science advice to policy to tailor the training program with INGSA

4 **GET IN TOUCH WITH THE TEAM**

Contact point: olivia.tighe@council.science



YOUNG ACADEMIES AND EMCR

In 2022, the **ISC invited Young Academies and Associations to apply for affiliate membership** in the spirit of promoting the participation of Early and Mid-Career Researchers in its activities and governance, thereby enlarging opportunities for young scientists to be represented in international science. Seventeen new Members joined the ISC in 2023.

The ISC launched in 2023 an **Early and Mid-Career Researchers (EMCR) Forum** convenes young scientific groups within a space for exchange, learning and collaboration.

<https://council.science/EMCR>

ISC MEMBERS – YOUNG ACADEMIES AND ASSOCIATIONS

EUROPE

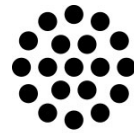
Young Academy of Spain
Young Academy of Europe
Young Academy of Belgium
Danish Young Academy
Polish Young Academy

INTERNATIONAL

TWAS Young Affiliates
International Association
of Physics Students (IAPS)

AFRICA

Nigerian Young Academy
Ghana Young Academy



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ASIA

National Young Academy of Bangladesh
Young Academy of India
National Academy of Young Scientists Pakistan
Indonesian Young Academy of Sciences
Indian National Young Academy of Science

OCEANIA

Australian Early- and Mid-Career Researcher
Forum (EMCR Forum)

NORTH AMERICA & LATIN AMERICA AND THE CARIBBEAN

College of New Scholars, Artists and Scientists
of the Royal Society of Canada
Young Academy of Colombia





**International
Science Council**

**ISC EARLY AND MID- CAREER
RESEARCHERS
(EMCR) NEWSLETTER**

[COUNCIL.SCIENCE/EMCR/NEWSLETTER](https://council.science/emcr/newsletter)

SCAN TO SUBSCRIBE





FLIPPING THE SCIENCE MODEL:

A Roadmap to Science Missions for Sustainability



International
Science Council

council.science

FLIPPING THE SCIENCE MODEL

Flipping the Science Model: A Roadmap to Science Missions for Sustainability

This report describes and advocates for mission science for sustainability as an urgently needed new form of science for the SDGs. It also serves as a call, inviting all stakeholders, both familiar and unconventional, to unite with the science community in this endeavour of collectively catalyzing science's power to drive transformative action towards a more sustainable world for all.

Published by the ISC's Global Commission on Science Missions for Sustainability, The report summarizes the conclusions reached after extensive consultation with experts, detailed in the accompanying TAG report "A model for implementing mission science for sustainability."

<https://council.science/publications/flipping-the-science-model>



International
Science Council



EVENTS

Free training on climate change, migration, and health in Latin America and the Caribbean

5 March 2024 – 5 November 2024 | Webinar Series | Online

08.02.2024

BLOGS

Large Ocean States and climate change: a plea for adaptation

This piece is part of a series of special blogs developed to raise awareness of inclusive climate perspectives, with a focus on early and mid-career researchers (EMCR) as well as scientists from the Global South. In this article, Dr. Ma. Laurice Jamero, a sustainability scientist focusing on impact and adaptation, explains how social sciences participate in mainstreaming climate change into development planning.

21.12.2023

EVENTS

Global Young Academy webinar on Climate Change Policy: A Non-Specialist Toolkit

Join the event on Wednesday, 6 December from 14:00-15:00 UTC for “Climate Change Policy: A Non-Specialist Toolkit” a webinar on climate change policy organized by the Climate Change and Disaster Risk Reduction Working Group of the Global Young Academy.

04.12.2023

EVENTS

The International Science Council at the United Nations Climate Change Conference (COP28)

The 2023 United Nations Climate Change Conference (COP28) will be held from 30 November to 12 December in Dubai, United Arab Emirates (UAE).

23.11.2023

EVENTS

ISC / Royal Society side event at COP28: “Better understanding economic impacts of climate change and accelerating science-based climate action”

Hybrid event at COP28, Dubai and online

23.11.2023

EVENTS

Virtual Knowledge Sharing Dialogue on Climate Change on 4 December

4 December 2023 | 15:00-16:30 CET | 14:00-15:30 UTC | Online

16.11.2023

EVENTS

IALS Annual Symposium: Property Law, Climate Change, Tech Disruption

23-24 NOVEMBER 2023 | 09:00 AM-10:00 PM AEDT | MOOT COURT, COLLEGE OF LAW, AUSTRALIA

10.11.2023

NEWS

Call for nomination of experts to draft an outline of the IPCC Special Report on Climate Change and Cities – deadline 15 November

Please submit your nomination by 15 November.

02.11.2023

BLOGS

Our Future Depends on Us: Antarctic climate change and the environment

Johanna Grabow and Alice Oates from the ISC's Affiliated Body, the Scientific Committee on Antarctic Research, remind us of the vulnerability of Antarctica in our era of climate change.

28.07.2023

People on the front lines of climate change must be included in climate action

The TAPESTRY project – part of the Transformations to Sustainability programme – is demonstrating the importance of collaboration on responding to climate change in local areas.

14.11.2022

BLOGS

In the face of extreme weather events, coordinated global action to address climate change is needed at COP27

A few days away from the beginning of COP27, Dr Marlene Kanga analyzes the increasingly extreme weather events unfolding in Australia, underlining the urgency to act on climate and calling for immediate coordinated global action to tackle the most crucial existential challenge of our time.

04.11.2022

BLOGS


There will be no climate change mitigation without ocean protection


On the occasion of World Ocean Day 2022 celebrated on 8 June, we look at the ocean as an integral part of the climate system, considering how climate change and rising global temperatures are affecting the ocean and their wildlife and ocean protection as an indispensable dimension to mitigate climate change.


THANK YOU


We look forward to the next steps.

For any questions, email me at
carolina.santacruz@council.science

 [company/international-science-council](https://www.linkedin.com/company/international-science-council)

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