There is no great benefit enjoyed by humanity that does not come from the sciences.
Politics needs Science more than ever
No global challenge that we aim to solve as scientists can be solved without the participation of the social sciences.
A voice for Science, global and unified
The International Science Council: the global voice for science

A truly global scientific institution
The International Science Council: the global voice for science

More effective global policy making
Climate Change
Environmental Degradation
Artificial Intelligence
Global Pandemics
Vision: Science as a global public good
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.
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

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.

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

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
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/
CORE AND ONGOING ACTIVITIES
ISC SPONSORED AND AFFILIATED INTERNATIONAL SCIENTIFIC BODIES

**The International Network for Governmental Science Advice (INGSA)**

**International Scientific Committees**
- Antarctic Research (SCAR)
- Frequencies for Radio Astronomy and Space Science (IUCAF)
- Oceanic Research (SCOR)
- Space Research (COSPAR)
- Solar Terrestrial Physics (SCOSTEP)

**International Data Bodies**
- Committee on Data for Science and Technology (CODATA)
- World Data System (WDS)

**Global Observing Systems**
- Global Climate Observing System (GCOS)
- Global Ocean Observing System (GOOS)

**International Research Programmes**
- Future Earth
- Climate Research Programme (WCRP)
- Integrated Research on Disaster Risk Programme (IRDR)
- Urban Health and Wellbeing Programme (UHWB)
- Comparative Research on Inequality (GRIP)

**International Scientific Committees**
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.

**UNESCO**
The ISC a key partner for UNESCO on Open Science, and The Ocean Decade through the Intergovernmental Oceanographic Commission

**UNEP**
We collaborate with UNEP in the context of co-sponsoring the international sustainability research programme, Future Earth

**UNDP**
Phase one of Rethinking Human Development has been completed, a major achievement in including the natural environment in future human development reports. Phase two is underway

**UNDESA**
The ISC represents the international scientific community in the annual High Level Political Forum on the Sustainable Development Goals

**WMO**
WMO is one of our partners in the World Climate Research Programme

**UNDRR**
The Council, working with its members has produced a comprehensive Hazard Definition & Classification Review: Technical Review
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
ISC strategy: key pillars

- **CONTINUE TO ENHANCE CAPACITY WITHIN THE SCIENTIFIC COMMUNITY**
  1. Map the competences of the ISC
  2. Invest in an ambitious capacity building programme
  3. Partner with other organisations to deliver scientific advice
  4. Engage in existing intergovernmental scientific mechanisms

- **CONNECT THE NATIONAL, REGIONAL AND GLOBAL LEVELS OF GOVERNANCE**
  5. Strengthen connections of scientists with global processes.
  6. Encourage the creation of a coalition of countries to champion science for decision-making

- **STRENGTHEN RELATIONSHIPS IN THE INTERGOVERNMENTAL SYSTEM**
  7. Support the re-establishment of the UN Secretary General Scientific Advisory Board
  8. Seek Permanent Observer status to the UN General Assembly
  9. Set up a liaison function in New York
  10. Establish a group of ISC Ambassadors

- **CHAMPION SCIENCE AS A GLOBAL PUBLIC GOOD**
  11. Strengthen the public understanding of science
  12. Develop regular engagement with scientific and mainstream media
  13. Support the recognition and raise the profile of transdisciplinary science
Evidence-informed decision-making, STI systems, science diplomacy, trust in science
ISC's roles

- Representing the science community
- Advocating for science
- Coordinating scientific inputs
- Building capacity
- Advising
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
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

- 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)

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
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
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.
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

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
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
<table>
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<tr>
<th>EVENTS</th>
<th>The International Science Council at the United Nations Climate Change Conference (COP28)</th>
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<td></td>
<td>The 2023 United Nations Climate Change Conference (COP28) will be held from 30 November to 12 December in Dubai, United Arab Emirates (UAE).</td>
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<th>EVENTS</th>
<th>ISC / Royal Society side event at COP28: “Better understanding economic impacts of climate change and accelerating science-based climate action”</th>
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<td>Hybrid event at COP28, Dubai and online</td>
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<th>EVENTS</th>
<th>Global Young Academy webinar on Climate Change Policy: A Non-Specialist Toolkit</th>
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<td></td>
<td>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.</td>
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<td>04.12.2023</td>
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<th>EVENTS</th>
<th>Virtual Knowledge Sharing Dialogue on Climate Change on 4 December</th>
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<td>4 December 2023</td>
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<td>16.11.2023</td>
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<th>EVENTS</th>
<th>Large Ocean States and climate change: a plea for adaptation</th>
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<td></td>
<td>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.</td>
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<td>21.12.2023</td>
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**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 ISCU's Affiliated Body, the Scientific Committee on Antarctic Research, remind us of the vulnerability of Antarctica in our era of climate change.

26.07.2023

**Blogs**

**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