



**International
Science Council**

The global voice for science

Mapping and Mobilizing International Science and Technology for the SDGs

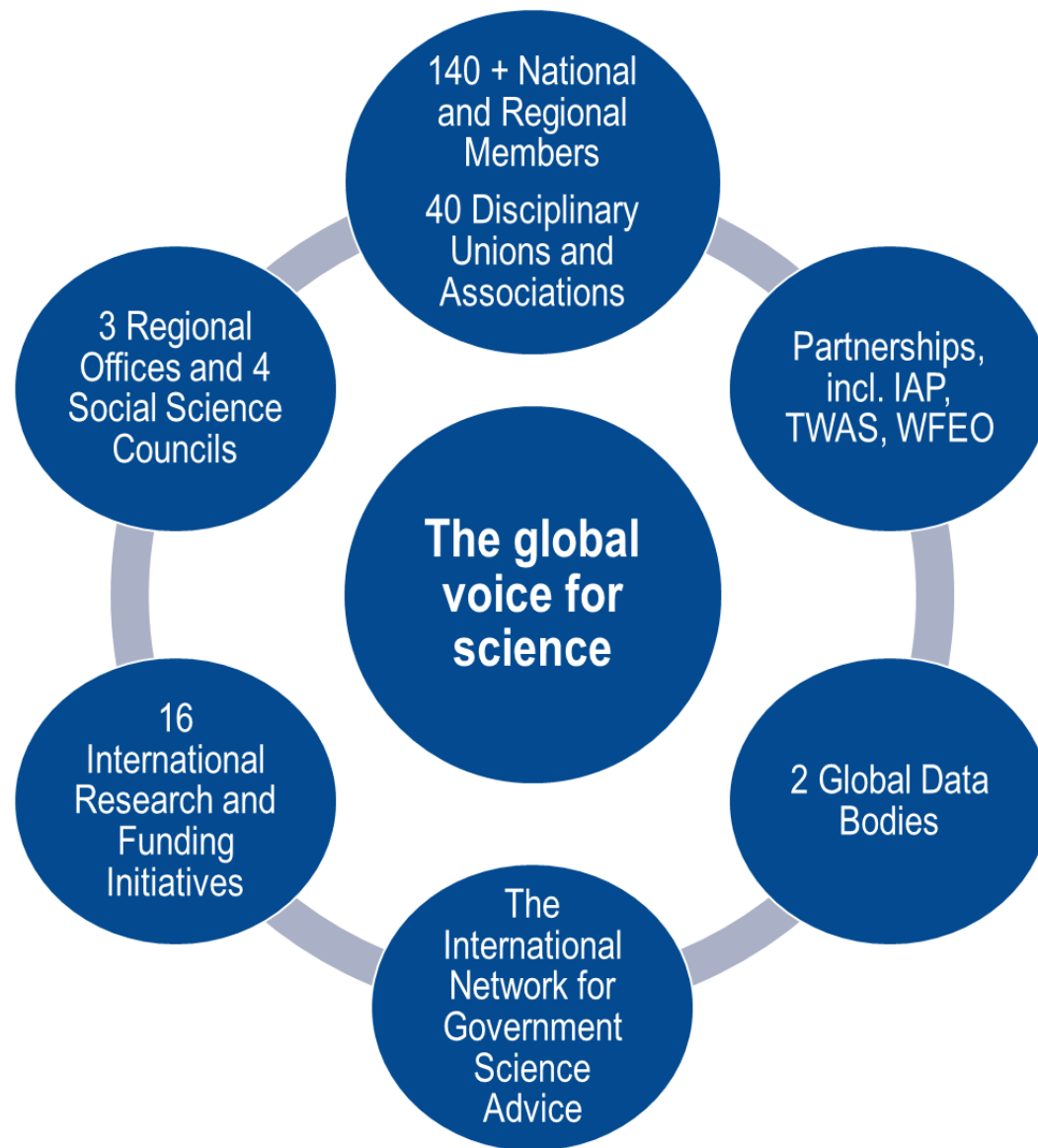
Katsia Paulavets, Senior Science Officer

The Mapping Research workshop, 4 September 2020



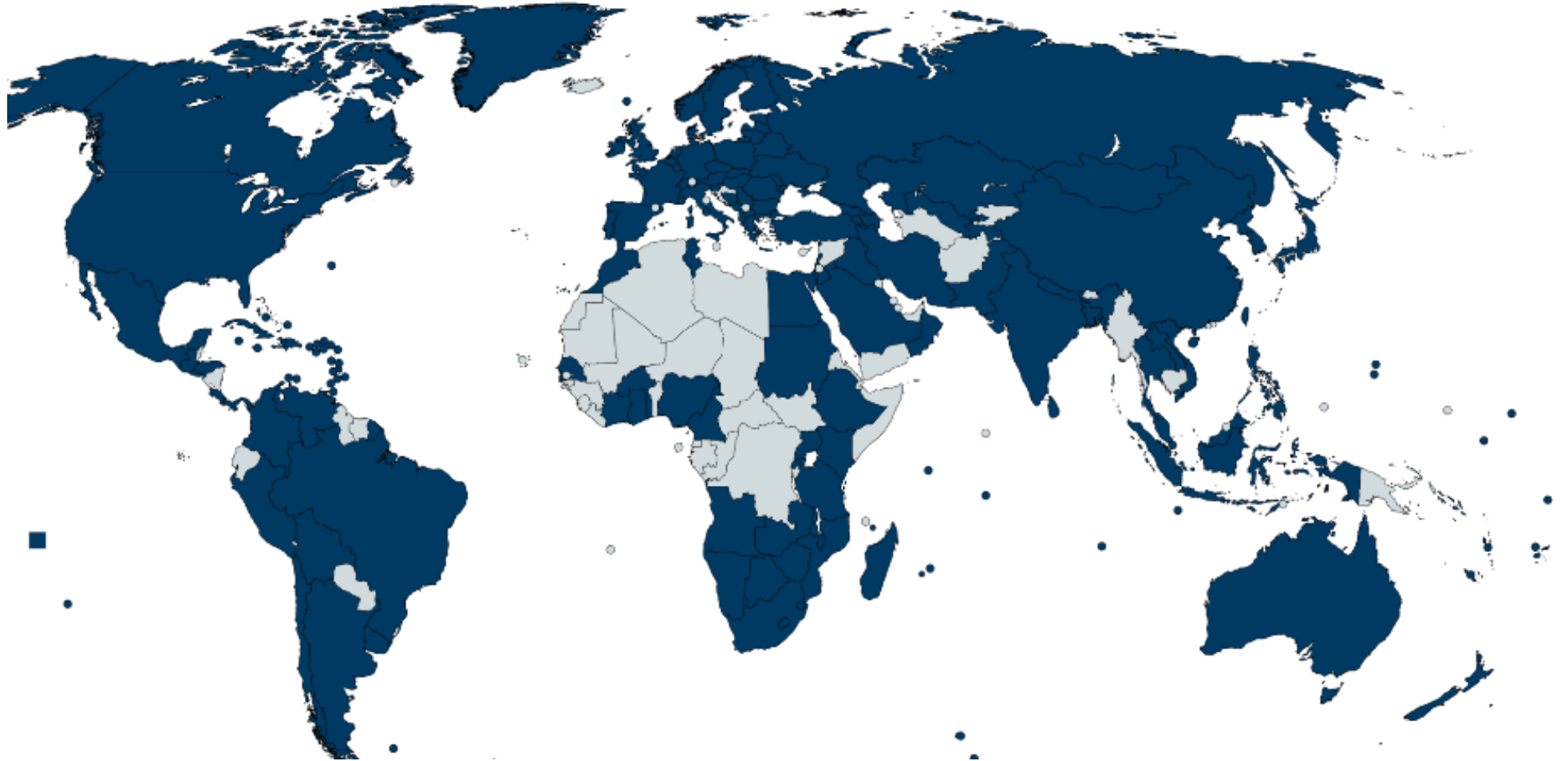
The **International Science Council** (ISC) was launched on 3-5 July 2018 following a merger of the **International Council for Science** (ICSU), which was created in 1931, and the **International Social Science Council** (ISSC), created in 1952.

Our vision is of science as a global public good



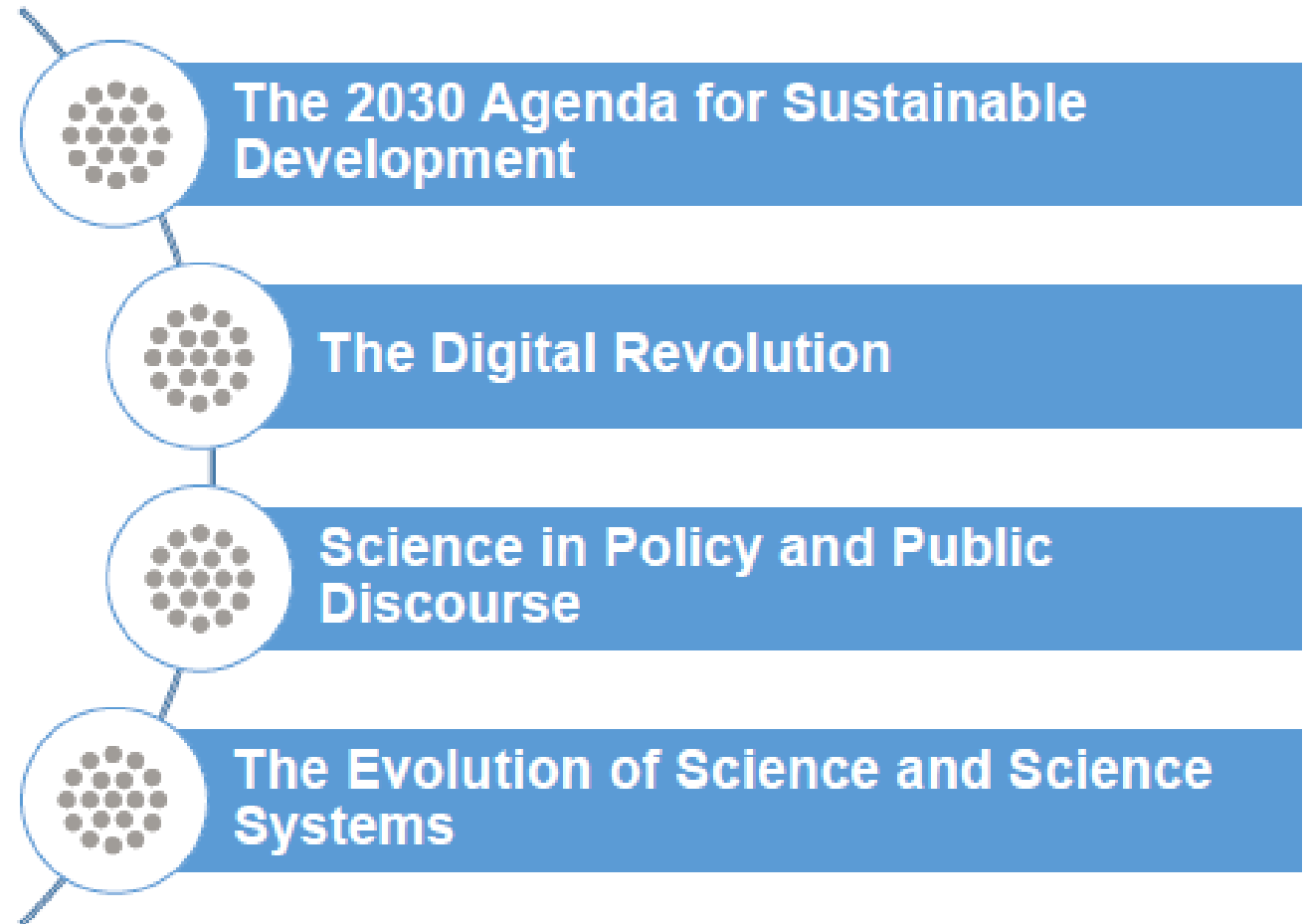
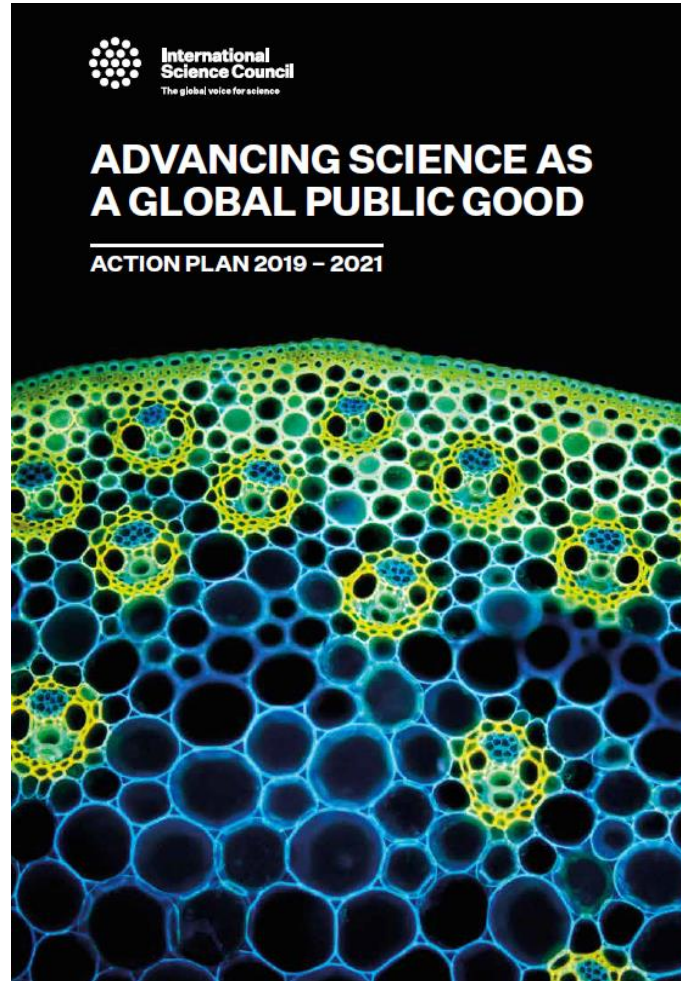


Countries represented in the membership of the Council





ISC Action Plan 2019-2021





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Science for the 2030 Agenda for Sustainable Development





Science for the 2030 Agenda for Sustainable Development



Scientific Committees

- Antarctic Research (SCAR)
- Oceanic Research (SCOR)

Data Bodies

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

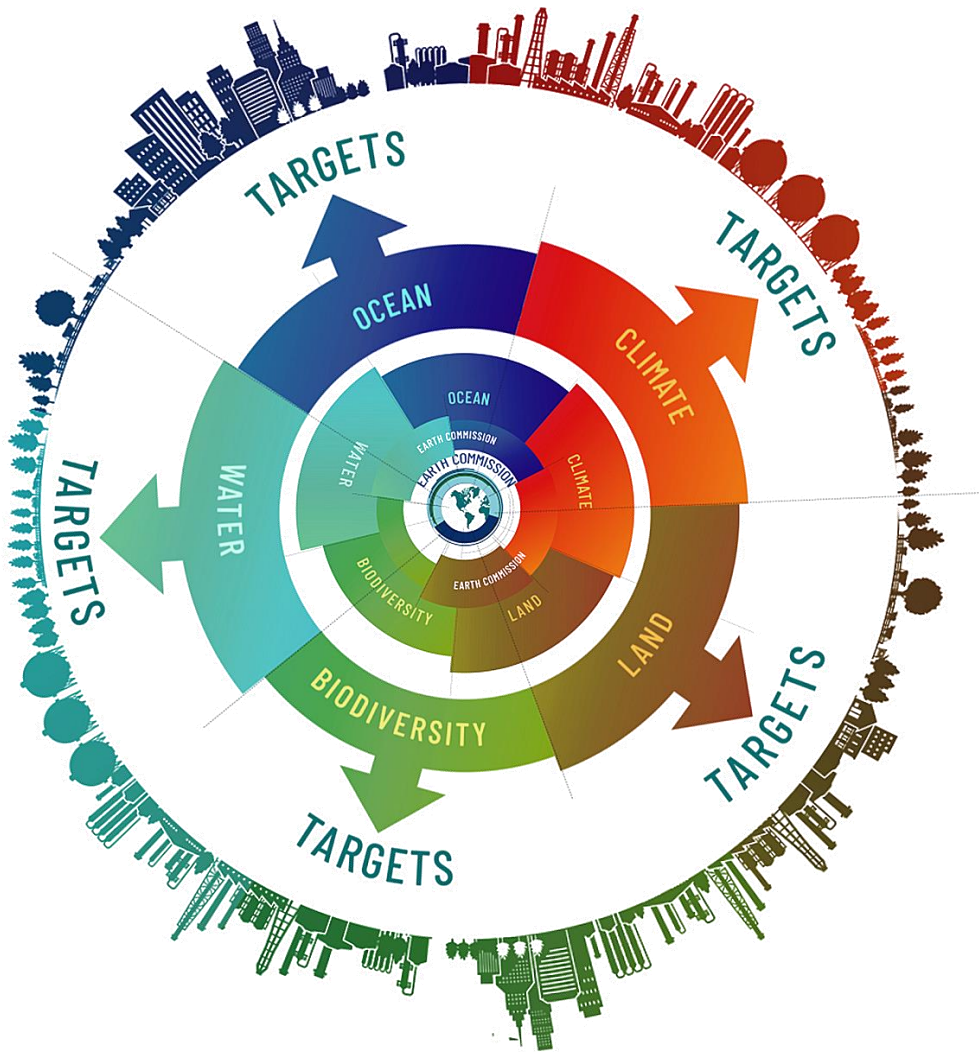
Observing Systems:

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

International Network for Government Science Advice - INGSA



Future Earth SDGs-related initiatives



- Science-Based Pathways for Sustainability
- The Earth Commission
- Sustainability in the Digital Age
- Sustainability Research & Innovation Congress, 12-15 June, 2021, Brisbane, Australia



Putting science at the service of the SDGs implementation



The SDGs interactions: in 2017, the ISC developed a framework for understanding the complex linkages across SDGs domains and the many synergies and trade-offs that need to be addressed to support effective and coherent SDG implementation.

SDG Interactions Toolkit: The ISC provides support and participates in pilot programmes and national case studies led by Stockholm Environmental Institute (SEI) and INGSA



Research funding programmes: addressing global science inequality



Leading Integrated Research for Agenda 2030 in Africa (LIRA 2030 Africa)

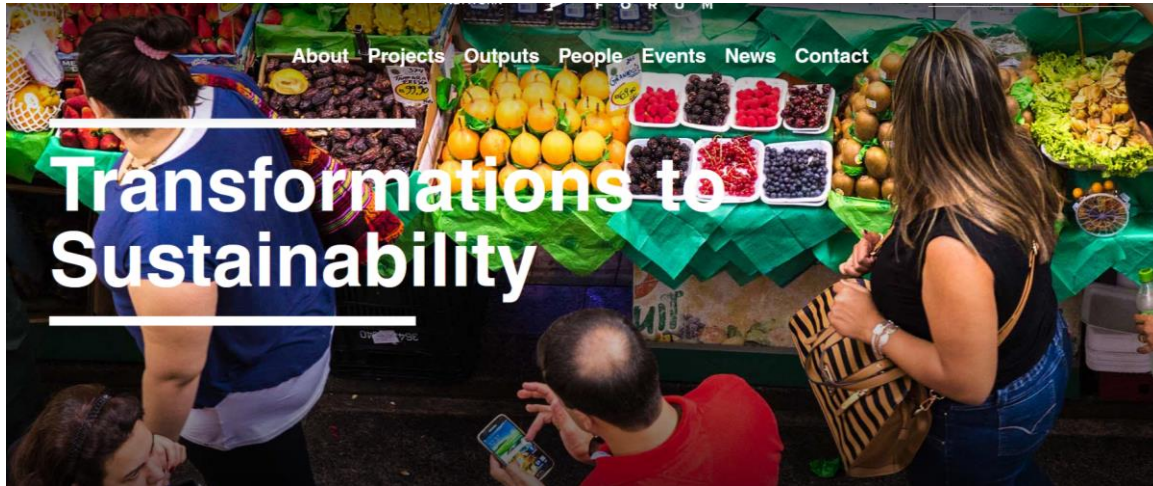
- Foster **African scientific leadership** for the implementation of the **2030 Agenda**
- Increase the production and use of contextualized **knowledge on sustainable development** in Africa cities
- Foster **research collaboration** within Africa

It provides:

- TD capacity building activities
- 2-year collaborative project grants (90 K Euro) – **28 projects covering 22 countries and 38 cities across Africa**
- Opportunities for connecting local knowledge to the global policy processes



Research funding programme: strengthening contribution from social sciences and humanities



The Transformations to Sustainability (T2S) programme supports solutions-oriented, international research for sustainability, led by social scientists and jointly produced with societal stakeholders.

- 2014-2018 ISSC T2S programme: 38 projects and 3 international research networks
- 2017-2020 NORFACE – Belmont Forum T2S programme: 12 international research networks and researchers in developing countries



Rethinking Human Development



In 2020, together with the UNDP started a global discussion on Rethinking Human Development, gathering voices from across the world

The report will be delivered to the UN Secretary General during the General Assembly in Sep 2020.



Global science for the Ocean Decade 2021-2030



The ISC joined forces with the Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO) to support the UN Decade of Ocean Science for Sustainable Development, which will begin in 2021.

This Decade will provide a common framework to ensure that ocean science can fully support countries' actions to sustainably manage the Oceans and to achieve the 2030 Agenda.

Key planned actions include:

- promoting the Ocean Decade among the scientific community,
- contributing to Decade preparations,
- accelerating scientific initiatives, and
- exploring opportunities for joint fundraising for scientific research.





Science at the UN

- Securing a mandate for science at the UN
- Integrating science in major global policy processes
- Providing scientific advice to intergovernmental policy processes
- Identifying knowledge needs and mobilising the scientific knowledge into UN policy processes through reports, policy papers, nominations and in-person interventions.

Through:

- UN Major Group for Science & Technology,
- UN Multi-stakeholder Forum on STI for the SDGs (STI Forum),
- 10-member group to support the Technology Facilitation Mechanism

Position paper for 2020 HLPF: Accelerated action and transformative pathways





Other key initiatives mobilizing international science for the SDGs

- IIASA: The World in 2050 (TWI2050)
- UN Global Sustainable Development Report 2019
- SDSN: SDG Index & Monitoring
- Belmont Forum call: COLLABORATIVE RESEARCH ACTION – Transdisciplinary Research for Pathways to Sustainability





Convening the scientific community working on sustainability

- To bring together the leadership of the ISC scientific initiatives and partners working on sustainability to discuss how the science community can strengthen its collective impact on global decision-making.
- To foster information exchange and strategic discussion on issues of common and cross-cutting interest (e.g., on interdisciplinary and transdisciplinary approaches to science, the science-policy-practice interface, open science, including data management and integration).
- To foster synergies, stimulate collaboration and identify an agenda for coordinated, collective action.



Funding Science for Global Sustainability

- On 8-9 July 2019, the Global Forum of Funders, hosted by the U.S. National Academy of Sciences in Washington D.C.
- Aim: to build strategic partnerships to increase and accelerate the impact of science and science funding on the achievement of the 2030 Agenda for Sustainable Development
- 80 leaders from national research funding agencies, philanthropic foundations, development aid agencies and scientific organizations from around the world



**International
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National
Research
Foundation



UK Research
and Innovation



Sida



futurearth
Research. Innovation. Sustainability.



NATIONAL ACADEMY
OF SCIENCES

BELMONT
FORUM



VolkswagenStiftung





Decade of Global Sustainability Science Action 2020-2030

The initiative seeks to promote mission-driven research that:

- harnesses solutions-oriented knowledge from across the spectrum of scientific disciplines and approaches, including fundamental research;
- adopts a systems-based approach;
- informs policy and public action through trans-disciplinary engagement with relevant decision makers, civil society and business.

It also seeks to support enabling activities, e.g. capacity development and knowledge brokerage.

The next meeting: the first trimester of 2021



Global Call for Priorities for Science

A call for inputs to shape a priority action agenda for science in two related domains:

- **Science for sustainability transformations**
- **Transformations of science systems**

Deadline: 2 October 2020

<https://council.science/science-funding/global-call/>



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Thank you for your attention

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