The Scientific Committee on Oceanic Research (SCOR)

2023-2024 Activities

Emily Twigg, Executive Director
Developing capacity and advancing ocean sciences through international cooperation since 1957

Mission

- Address global and multidisciplinary ocean issues
- Plan and facilitate research – working groups and projects
- Solve methodological and conceptual problems
- Develop capacity - visiting scholars, fellowships, travel support
- Promote equity, diversity, inclusion in oceans sciences
- Encourage and support involvement of students and early-career scientists

- Non-governmental, non-profit organization established in 1957 under International Council for Scientific Unions, now the International Science Council
- Funded by membership contributions of national SCOR committees and from national and international agencies and organizations, including host institutions for project offices.
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Executive Committee 2022-2024

President
Sinjae Yoo
Korea

Past-President
Marie-A. Sicre
France

Secretary
Peter Croot
Ireland

The Vice-Presidents
Stefano Aliani
Italy
Ilka Peeken
Germany
Brad Moran
USA

Affiliated organizations – Ex-officio
Judith Gobin
Trinidad and Tobago, IABO
Andrea Flossmann
France, IAMAS
Hans van Haren
The Netherlands, IAPSO

The co-opted members
Wee Cheah
Malaysia

Capacity Development Committee
• Chair: Rebecca Zitoun (Australia)
• Sanae Chiba (Canada-PICES)
• Mauro Cirano (Brazil)
• Ntahondi Nyandwi (Tanzania)
• Moagabo Ragoasha (South Africa)
• Viena Puigcorbé (Spain)
• Rui Seabra (Portugal)
• Paula Sierra (Colombia)
• Jennifer Verduin (Australia)
• Sun Xiaoxia (China-Beijing)

Secretariat (University of Delaware, USA):
• Executive Director: Emily Twigg
• Financial Consultant: Ed Urban
SCOR Activities

170 Total
16 Active

WORKING GROUPS

International Ocean Carbon Coordination Project (IOCCP)
Southern Ocean Observing System (SOOS)
Global Harmful Algal Blooms (GlobalHAB)
Changing Ocean Biological Systems (COBS)

Joint Committee on Seawater (JCS)

RESEARCH PROJECTS

Integrated Marine Biosphere Research (IMBeR) project
Surface Ocean-Lower Atmosphere Study (SOLAS)
International Quiet Ocean Expedition (IQOE)
Second International Indian Ocean Expedition (IIOE-2)

INFRASTRUCTURAL PROJECTS

GEOTRACES
IMBeR
SOLAS
IQOE
IIOE-2

CAPACITY DEVELOPMENT

-Visiting Scholars
-Fellowships
-Travel support
-Research Discover Camp

AFFILIATED PROJECTS

International Ocean Carbon Coordination Project (IOCCP)
Southern Ocean Observing System (SOOS)
Global Harmful Algal Blooms (GlobalHAB)
Changing Ocean Biological Systems (COBS)
Joint Committee on Seawater (JCS)
SCOR Working Groups

https://scor-int.org/work/groups/

**Chemical oceanography**

**WG-167: RUSTED (2022)**
Reducing Uncertainty in Soluble aerosol Trace Element Deposition

**Biogeochemical oceanography**

**WG-161: ReMO (2020)**
Respiration in the Mesopelagic Ocean: Reconciling ecological, biogeochemical and model estimates

**Physical oceanography**

**WG-148: IQuOD (2015)**
International Quality Controlled Ocean Database: Subsurface temperature profiles

**WG-153: FLOTSAM (2017)**
Floating Litter and its Oceanic TranSport Analysis and Modelling

**WG-160: ATOMIX (2020)**
Analysing ocean turbulence observations to quantify mixing

**Biological oceanography**

**WG-157: MetaZooGene (2018)**
Toward a new global view of marine zooplankton biodiversity based on DNA metabarcoding and reference DNA sequence databases

**WG-158: C-GRASS (2019)**
Coordinated Global Research Assessment of Seagrass System

**WG-164: CoNCENSUS (2021)**
Advancing standardisation of COastal and Nearshore demersal fish visual CENSUS techniques

**WG-165: MixONET (2021)**
Mixotrophy in the Oceans – Novel Experimental designs and Tools for a new trophic paradigm

**WG-169 GLUBS (2023)**
Global Library of Underwater Biological Sounds

**WG-170 PRIMO (2023)**
Physiology and Rates in Microbial Oceanography

- **Mechanisms for international cooperation around a focused topic**
- **$45k USD over a duration of 3-4 years**
- **10 Full and 10 Associate members**
- **Must be geographically balanced and include early-career researchers**
- **Proposals due annually in May**

[https://scor-int.org/work/groups/](https://scor-int.org/work/groups/)
Capacity Development

Objectives:
• Strengthen core skills and competencies in developing countries*
• Network and build relationships
• Promote involvement in SCOR’s activities

*Developing countries are Low-Income, Lower-Middle-Income, and Upper-Middle-Income economies defined by the World Bank

Support for SCOR’s capacity development activities comes from National Committee dues and the U.S. National Science Foundation

Visiting Scholar Program
Since 2009
55 Scholars from 24 countries in 25 host countries

POGO-SCOR Fellowships
Since 2001
>165 fellows awarded

Travel Support
Since 1984
>220 Meetings*
>1300 Scientists*
*Tracked since 1999

Regional Graduate Networks
Research Discovery Camp at University of Namibia since 2014
Expected to resume in 2025

Involvement of Early Career and Developing Country Scientists in SCOR’s Working Groups and Projects

Summer Schools
GEOTRACES
SOLAS
IMBeR
IOCCP

Expected to resume in 2025
Visiting Scholar Program

https://scor-int.org/work/capacity/visiting-scholars/

• Up to $2500 support for travel expenses in partnership with support from host

• To conduct on-site education and/or mentorship at developing country institutions for 2 or more weeks
Travel Grants
https://scor-int.org/work/capacity/travel-grants/

• SCOR accepts applications from meeting/training organizers
• Support allows organizers to fund the travel of participants who are:
  • Early career (students or less than 10 years post-degree)
  • In the ocean sciences
  • From developing countries
  • Presenting at a meeting/conference or attending a training/workshop

Application deadlines 4 times per year, at least 6 months in advance of event

SCOR Travel Support

ANNOUNCEMENT: As of October 2023, travel grant applications are now reviewed on a quarterly basis with deadlines at the end of March, June, September, and December.

SCOR provides travel support for early-career scientists from low- to medium-income countries to attend ocean science meetings, conferences, workshops, and training. Please read the information below and fill out the application form.

Who can apply?
Requests for travel support will only be accepted from meeting organizers. Meeting organizers conduct their own selection process for grant recipients.

When are applications due?
Applications are reviewed by the SCOR Capacity Development Committee four times per year with deadlines of March 31, June 30, September 30, and December 31. Additionally, they should be submitted at least 6 months before the event. Organizers may make a request to the SCOR Secretariat for an urgent review.

Who is eligible to receive a travel grant?
Travel grants are intended for individuals meeting the following criteria:
  • Identify as early-career (enrolled as students or up to 10 years post-degree) individuals in ocean science and/or other marine-related topics.
  • Delivering an oral presentation or poster at the meeting/conference or participating in a training/workshop.
  • Based in an eligible developing country, listed here. Recipients should not be based in the country where the event is held.
  • Have not received a SCOR travel grant within the past 2 years.
POGO-SCOR Fellowships
https://pogo-ocean.org/capacity-development/pogo-scor-fellowship-programme/

Fellowship Programme 2024

Receive funding to spend between one and three months at another oceanographic institute, anywhere in the world, to receive training on any aspect of oceanographic observation analyses and interpretation. The fellowship is NOT intended for an academic course of study, or for research.

Who can apply?
- Scientists
- Technicians
- Postgraduate students
- Post-doctoral fellows
... from developing countries and countries with economies in transition.

Priority is given to early-career scientists.

Applications due annually in April/May

Who can apply?

Who can apply?

Conditions and application

https://pogo-ocean.org/capacity-development/pogo-scor-fellowship-programme/
Opportunities to be Involved with SCOR

• Propose a new working group
• Apply for capacity development opportunities
• Engage with projects
  • Join project Scientific Steering Committee or subcommittees (early career, technical)
  • Participate in open science meetings
• Apply for 2-year early-career member position on SCOR Executive Committee
  • New selections in even-numbered years
• Participate on National Committee (mechanism/management varies by country)
• Provide review of working group proposals (reviews accepted by any organization/individual but only national committees/affiliated organizations are scored)
SCOR active community: 2023

668 People from 61 Countries

Female: 380
Male: 288
SCOR-UN Ocean Decade: endorsed projects and contributions

• SCOR WG 162 OASIS – UN Ocean Decade Endorsed Project
  Aimed at developing an Observing Air-Sea Interactions Strategy

• SCOR Research Project GEOTRACES – UN Ocean Decade Contribution
  Focused on marine biogeochemical cycles and distribution of trace elements and their isotopes

• SCOR WG 159 DeepSeaDecade
  Provided the foundation for UN Ocean Decade endorsed programme Challenger 150 – A Decade to Study Deep-Sea Life

• SCOR Infrastructural Project IOCCP – International Ocean Carbon Coordination Project
  Key contributor to five UN Ocean Decade endorsed programmes related to ocean observations, oxygen and acidification (e.g. Global Ocean Oxygen Decade, Ocean Acidification Research for Sustainability)

• Southern Ocean Action Plan for the Decade with contributions from Southern Ocean Observing System, IMBeR ICED (Integrating Climate and Ecosystem Dynamics)

• IMBeR ClimEco 8 (2023), IMBIZO7 (2024) and other past events – UN Ocean Decade endorsed activity
  IMBeR Climate and Ecosystems Summer School

• SCOR WG 157 MetaZooGene – an endorsed action attached to the Marine Life 2030 UN Ocean Decade project
  Metabarcoding zooplankton diversity

• SCOR projects IMBeR and SOLAS – contributing to Ocean Negative Carbon Emissions (ONCE) UN Ocean Decade Project

• WG 169 GLUBS – UN Ocean Decade Endorsed Project
Social presence: Share SCOR Opportunities and Amplify News from WGs, Projects, Partners

Email: 3 Newsletters/year + news

Website: +2000 visits and +4000 views / month
https://scor-int.org/

X (Twitter): @SCOR_Int ~1,165 followers

Facebook Public Group: ~2,200 members

LinkedIn: >100 followers (since December)
Thank You!

https://scor-int.org/
secretariat@scor-int.org