

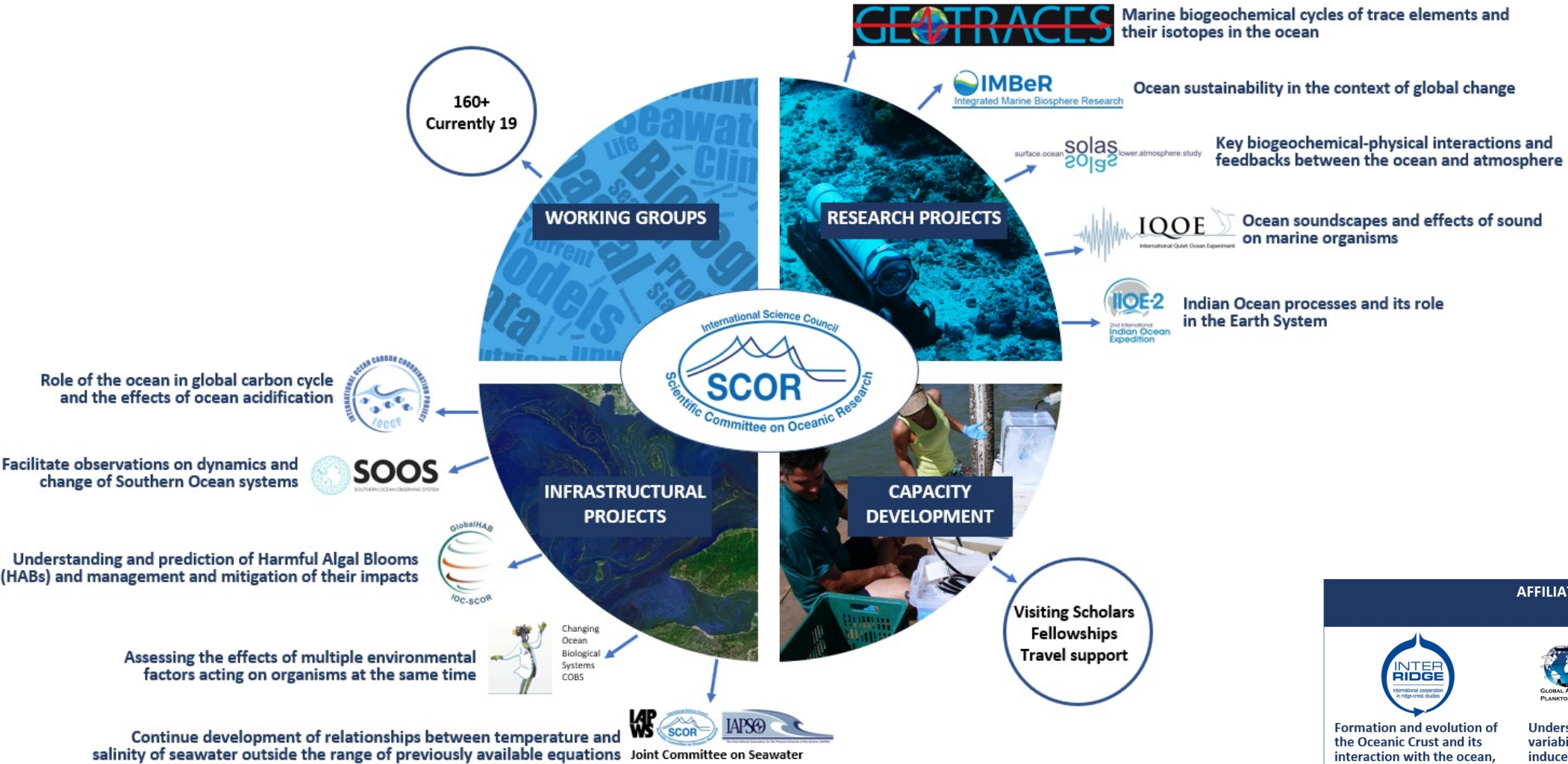
The Scientific Committee on Oceanic Research

Opportunities for ocean scientists



SCOR – 2022 video

SCOR active portfolio and collaborators



AFFILIATED PROJECTS		
 Formation and evolution of the Oceanic Crust and its interaction with the ocean, biosphere, climate and human society	 Understanding of natural variability and human-induced changes of plankton communities in the global ocean	 Application of remotely-sensed ocean-color/inland water radiometry data across all aquatic environments

SCOR working groups



Physical oceanography



WG-148: IQuOD (2015)

International Quality Controlled Ocean Database: Subsurface temperature profiles

WG-150: TOMCAT (2015)

Translation of Optical Measurements into particle Content, Aggregation & Transfer

WG-153: FLOTSAM (2017)

Floating Litter and its Oceanic TranSport Analysis and Modelling

WG-160: ATOMIX (2020)

Analysing ocean turbulence observations to quantify mixing

Chemical oceanography



WG-143: N2O&CH4 (2013)

Dissolved N2O and CH4 measurements: towards a global network of ocean time series

WG-145: MARCHEMSPEC (2014)

Modelling Chemical Speciation in Seawater to Meet 21st Century Needs

WG-151: FeMIP (2016)

Iron Model Intercomparison Project

Biogeochemical oceanography



WG-152: ECV-Ice (2016)

Measuring Essential Climate Variables in Sea Ice

WG-161: ReMO (2020)

Respiration in the Mesopelagic Ocean: Reconciling ecological, biogeochemical and model estimates

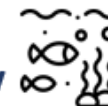
WG-162: OASIS (2020)

Developing an Observing Air-Sea Interactions State

WG-163: Clce2Clouds (2021)

Coupling of ocean-ice-atmosphere processes: from sea-ice biogeochemistry to aerosols and Clouds

Biological oceanography



WG-154: P-OBS (2017)

Integration of Plankton-Observing Sensor Systems to Existing Global Sampling Programs

WG-155: EBUS (2017)

Eastern boundary upwelling systems: diversity, coupled dynamics and sensitivity to climate change

WG-156: Chlorophyll (2018)

Active Chlorophyll fluorescence for autonomous measurements of global marine primary productivity

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-159: DeepSeaDecade (2019)

Roadmap for a Standardised Global Approach to Deep-Sea Biology for the Decade of Ocean Science for Sustainable Development

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

Call for 2022 WGs:

Currently in review by SCOR National Committees

2022 SCOR WG proposals applications – in review



Area	Proposal
	1) Towards best practices for Measuring and Archiving Stable Isotopes in Seawater (MASIS)
	2) Developing resources for the study of Methylated Sulfur compound cycling PROcesses in the ocean (DMS-PRO)
	3) Foraminifera in Extreme and Rapidly Changing Environments (FIERCE)
	4) Reducing Uncertainty in Soluble aerosol Trace Element Deposition (RUSTED)
	5) DEveloping Repositories for carbon FLUX quantification: Th-234 as a case study (DEPOFLUX)
	6) DYNamic Approaches for assessing Marine biota responses to fluctuating Oceans (DYNAMO)
	7) Impact of biotoxins on marine apex predators in Upwelling Systems (ToxMAP)



Biological Oceanography (BIO)



Chemical Oceanography (CHE)



Biogeochemical Oceanography (BGC)

Usually 2 are approved per year – depending on quality of the proposal and funding availability

Review of SCOR WG proposals – SCOR National Committees



(1) Timeliness

- Urgent topic? Previous studies and data?

(2) High priority for ocean science and for SCOR

- Advance oceanographic understanding? Tackle methodological or conceptual issues? Novel? Further impact?

(3) SCOR Working Group as a good mechanism to develop this topic

- Interdisciplinary? Global compilation, inter-comparison, or synthesis? Global and regional impact?

(4) Terms of Reference (ToRs)

- Clear and logical? Achievable within time frame? Timeline? Deliverables? Capacity development plans?

(5) Membership

- Balanced and inclusive?

(6) Comments or suggestions for improvement of proposal

(7) Rating (usually up to 2 can be recommended as “must fund”)

- must fund, may fund, do not fund – order of preference 1 to n

Executive Committee 2020-2022



President



Sinjae Yoo
Korea

Past-President



Marie-A. Sicre
France

Secretary



Paul Myers
Canada

The Vice-Presidents



Stefano Aliani
Italy



Jing Zhang
Japan



Brad Moran
USA

The scientific organizations – Ex-officio



Enrique Montes
USA, IABO



Joyce Penner
USA, IAMAS



Trevor McDougall
Australia, IAPSO

The co-opted members



Charlotte Laufkoetter
Switzerland



Jacqueline Uku
Kenya

Call for 2022-2024 SCOR EC officers:

- Secretary (4-year appointment)
- Three Vice-Presidents (2-year appointment & 2 are eligible for re-election)

Deadline for nominations: 4 June 2022

Nominated Members: 33 Member countries and 90 nominated members

Capacity Development Committee



Chair: Claudia Benitez-Nelson (USA)

Secretariat:



Executive Director: Patricia Miloslavich

Financial Advisor: Ed Urban



Photo: Eduardo Klein

Capacity development



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***

International program designed to improve the understanding of marine biogeochemical cycles and distribution of trace elements and their isotopes

- **SCOR WG 159 DeepSeaDecade**

Aimed at developing a global plan for survey/sampling deep-sea ecosystems to underpin deep-sea research is a key contributor to the 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)

- **SCOR WG 153 FLOTSAM on floating litter** - working together with GOOS, Copernicus and other organisations toward a global observing system for debris (IMDOS) – to propose as a UN Ocean Decade programme.

- **Contributor to the Southern Ocean Action Plan for the Decade**

An initial roadmap to strengthen links between science, industry and policy, and encourage internationally collaborative activities to address existing knowledge and data gaps.

Keep connected – keep informed

Website: ~2600 visits and +5000 views / month

<https://scor-int.org/>

Email: 3 Newsletters/year + news



Ocean Sci
SCOR will be at Booth #341 at the Ocean Sciences 2020 come visit us at the SCOR Booth and talk to the recent Director (Patricia Miloslavich), and members of the SCOR working groups and projects will be on hand related to it

Twitter: @SCOR_Int

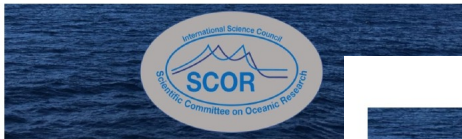
Project Software Demonstrations at SCOR Booth (#341)

SCOR WG 145 on Modelling Chemical Speciation in Seawater to Meet 21st Century Needs (MarChemSpec) https://scor-int.org/Working_Groups/WG145_at_OSO20
Attendees will be provided a guided hands-on experience with running our draft speciation modelling software and opportunity to ask questions and provide feedback to the software developers. Some of the key capabilities of modelling approach, using these examples:

1. Calculate the change in pH of a seawater Tris/Tris buffer when the composition is altered by adding or removing different salts (web-based application)
2. Calculate how the three strickland equilibrium constants for the carbonate system (K₀, K₁, and K₂) respond to composition changes of the seawater (Web-based application)
3. A Python environment in which some of these type of calculations can be done interactively will also be demonstrated.

1 FEBRUARY 2020

August 2020 SCOR Newsletter # 43



News & Updates

It has been 5 months since all the exciting SCOR activities held at Q. Since then, the world as we knew it, has changed. In these challenging community has kept active and engaged, strengthening, and delivering science. Here are some of the updates.

[Visit our Website](#)

News from the projects

SOOS, IOCP and GlobalHAB have renovated the composition of the scientific International Project Office has relocated to Canada and its Scientific Steering Committee (SSC) released version 2 of its Data for Oceanic Research (DOR) portal. Read more below!

The Integrated Marine Biosphere Research project (IMBeR)

The IMBeR International Project Office (IPO) has relocated from the Institute of Marine Research in Norway to Dalhousie University in Canada. John Claydon and Lisa Maddison continue to run the IPO with Tracy Woodhouse as a new team member. The IMBeR SSC held its annual meeting virtually from the 22nd of May to the 8th of June. IMBeR is also calling for nominations for a position in the SSC to start in January 2021. Deadline for nominations is 15 September (contact: imber@dal.ca)



Image credit Lisa Maddison IMBeR SSC meeting

Marine Biogeochemical Cycles of Trace Elements and the GEOTRACES

November 2020 SCOR Newsletter # 44



News & Updates

The SCOR 2020 Annual Meeting was held between the 20-22 of October. Due to the COVID-19 travel restrictions, the meeting was held entirely virtually along three-hour sessions each day. The meeting was attended by 121 participants from 34 countries representing all continents as shown in the figure below. All documents and reports can be found [here](#).

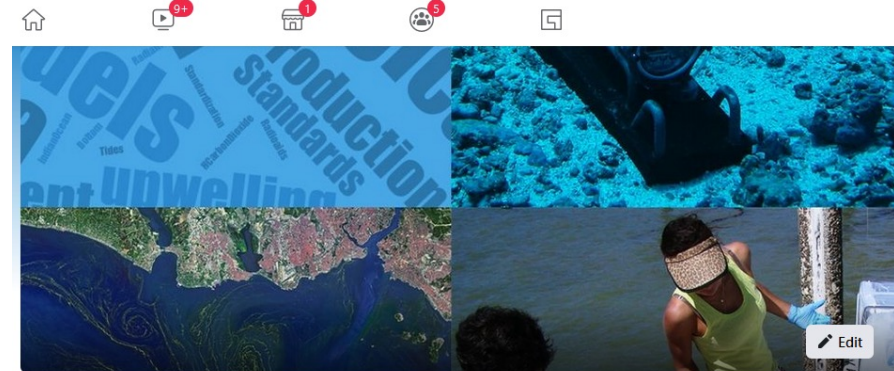
SCOR Annual Meeting 2020



Twitter: ~980 followers



Facebook group: ~2.0 K members



Scientific Committee on Oceanic Research

Public group · 1.8K members



[+ Invite](#)

[CONTACT](#)



UPCOMING SCOR 2022 MEETING

4-6 October 2022

[Past Annual Meetings](#)

WHAT'S HAPPENING

Deadline for reception of new SCOR Working Group proposals extended to the 14th of May 2022

Call for applications: POGO-SCOR Visiting Fellowship 2022

Call for Bids to Host 3rd IMBeR Open Science Conference in 2024

[Calendar](#)

WHO WE ARE

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[Capacity Development](#)

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GETTING INVOLVED

[Opportunities](#)



Opportunities for ocean scientists



- **Propose new WGs or be part of a current WG**
Call for new SCOR WGs opens every year (~March to May)
- **Apply to be a Visiting Scholar in a developing country and other SCOR CD programs**
Call for Visiting Scholars opens every year (~October to December)
- **Engage in large scale projects**
Projects continuously engage new scientists and rotate their leadership (SSC)
- **Subscribe to SCOR email list and follow in social media**
For news and opportunities
- **Apply to the SCOR Executive Committee Early Career Position**
This position is renewed every two years, next call in 2022
- **Participate in the SCOR Annual Meetings (~October every year)**
New WGs are approved, progress from WGs and projects, activities from affiliated organizations
<https://scor-int.org/events/scor-2022-annual-meeting/>

SCOR is co-leading the International Year of Basic Sciences for Sustainable Development 2022 - <https://www.iybssd2022.org/en/home/>

