



The Scientific Committee on Oceanic Research (SCOR)

SCOR activities and engagement opportunities



Patricia Miloslavich
Executive Director



Claudia Benitez-Nelson
Chair Capacity Development Committee

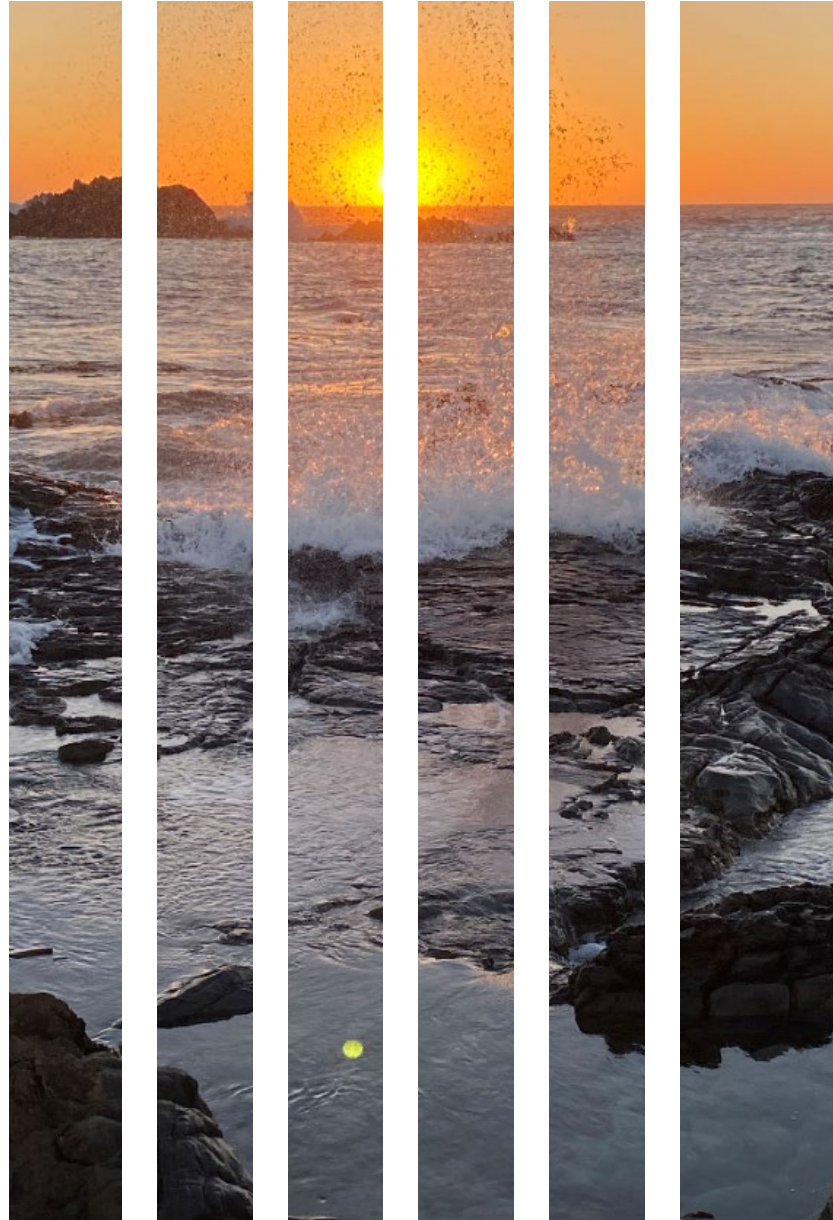
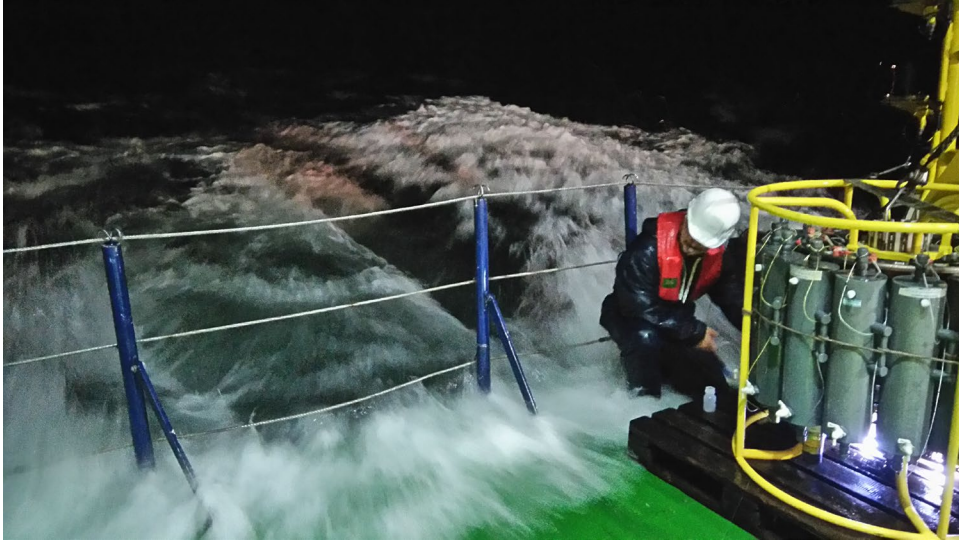


Photo: P. Miloslavich

Advancing ocean sciences across disciplines and through international cooperation since 1957



Nighttime sampling – WG 143 on dissolved N_2O and CH_4 measurements: Intercomparison Cruise to the Baltic Sea on board the R/V Elisabeth Mann-Borghese, image by Damian L. Arévalo-Martínez.

SCOR mission

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



Photo: Emma Bone



Photo: Hubert Bataille

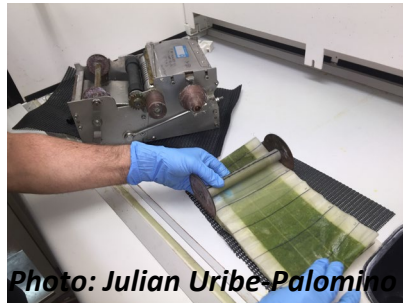


Photo: Julian Uribe-Palomino



Photo: Nanyc Williams



Photo: SOLAS



Photo: C-GRASS

From the field to the lab, from data analysis to global synthesis – building capacity at every step of the way

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

Nominated Members:

32 Member countries

1-3 Nominated Members / country: 87 nominated members



Capacity Development Committee (2021-2023)



Chair: Claudia Benitez-Nelson (USA)

- Sanae Chiba (Canada/PICES)
- Vanessa Hatje (Brazil)
- Ntahondi Nyandwi (Tanzania)
- Rui Seabra (Portugal)
- Paula Sierra (Colombia)
- Jennifer Verduin (Australia)
- Sun Xiaoxia (China-Beijing)
- Rebecca Zitoun (The Netherlands)

Secretariat:

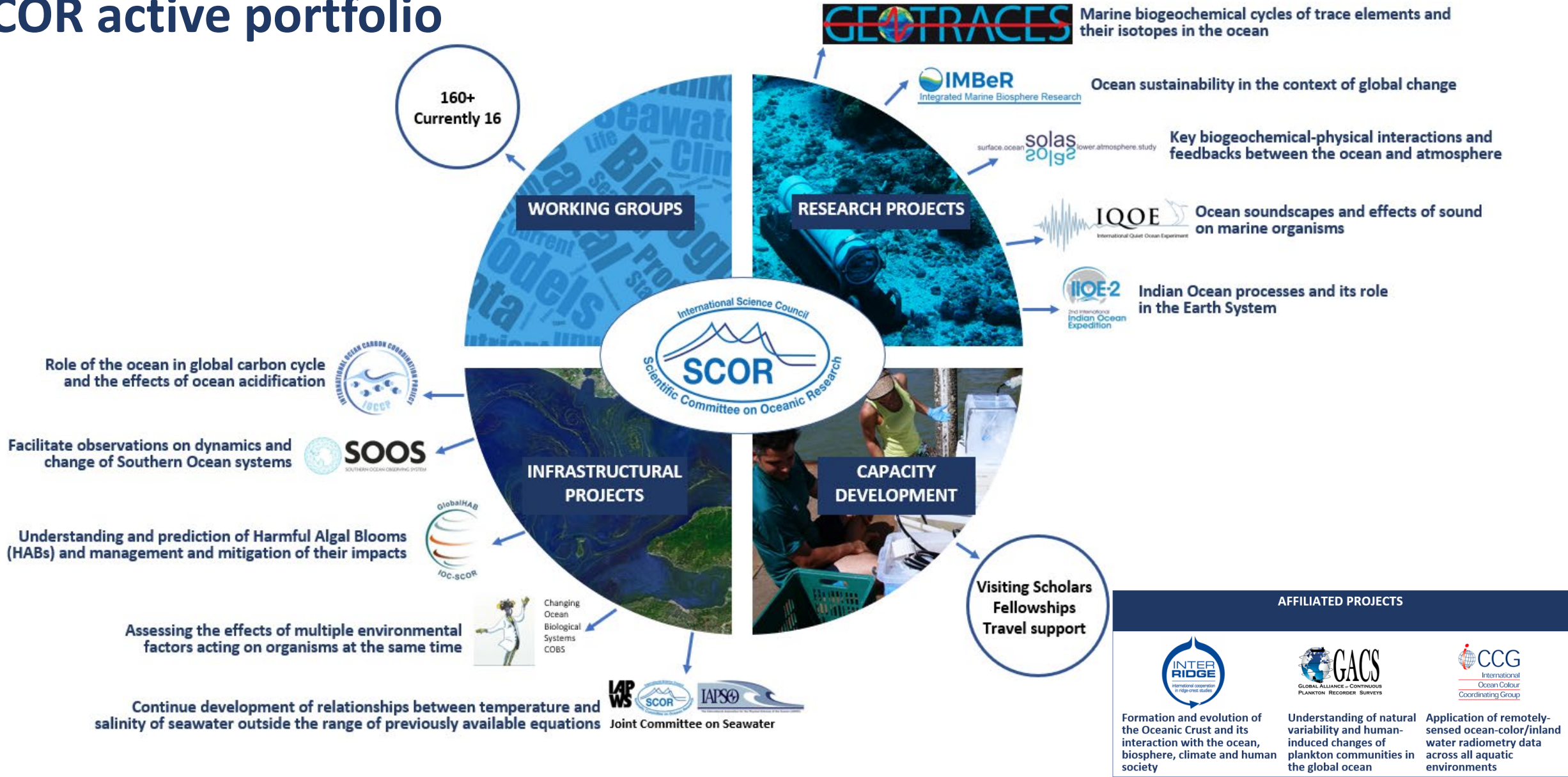
Patricia Miloslavich – Executive Director

Ed Urban – Financial Advisor

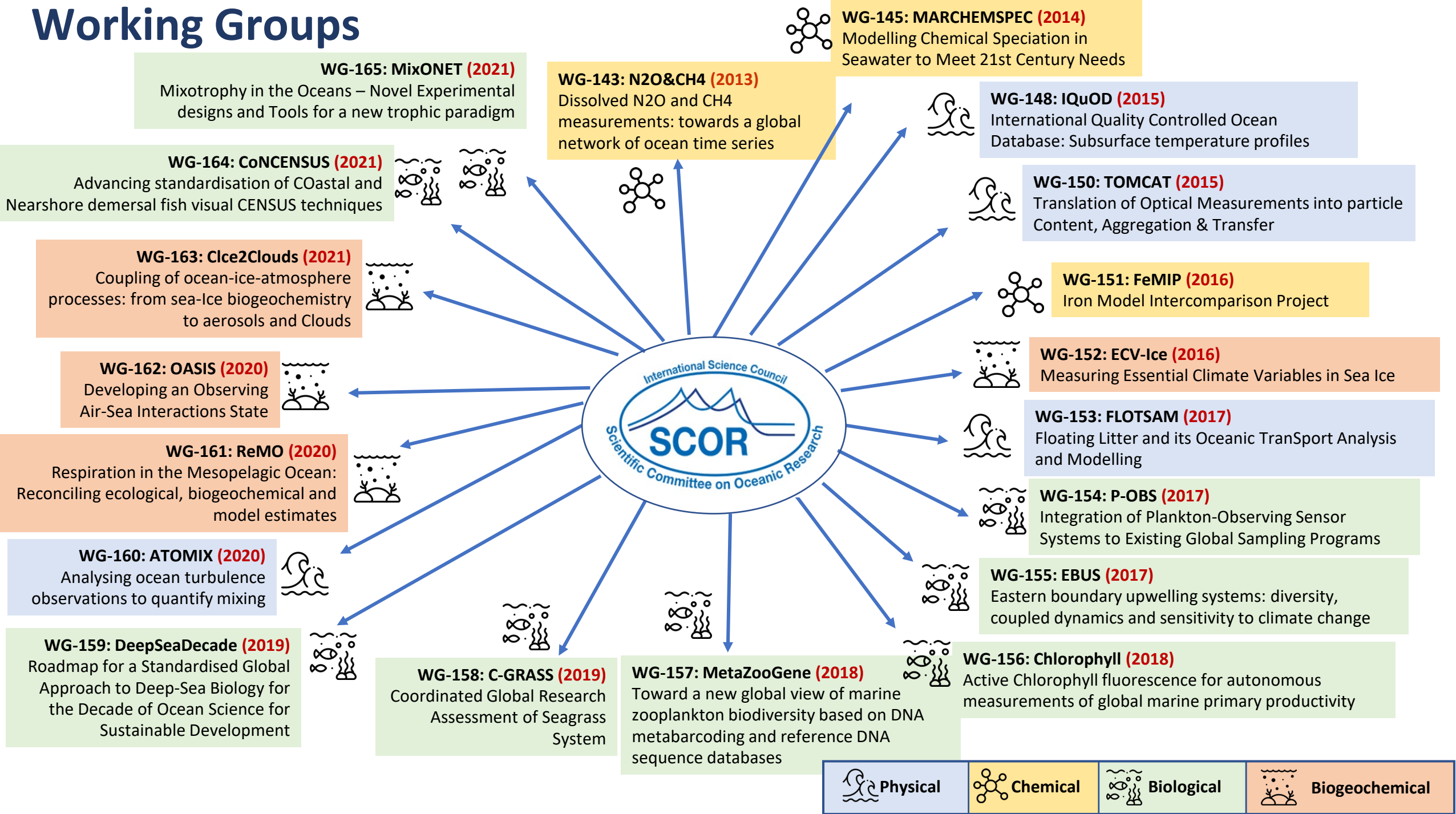
Liz Gross – Grant Officer (until Sep 2021)



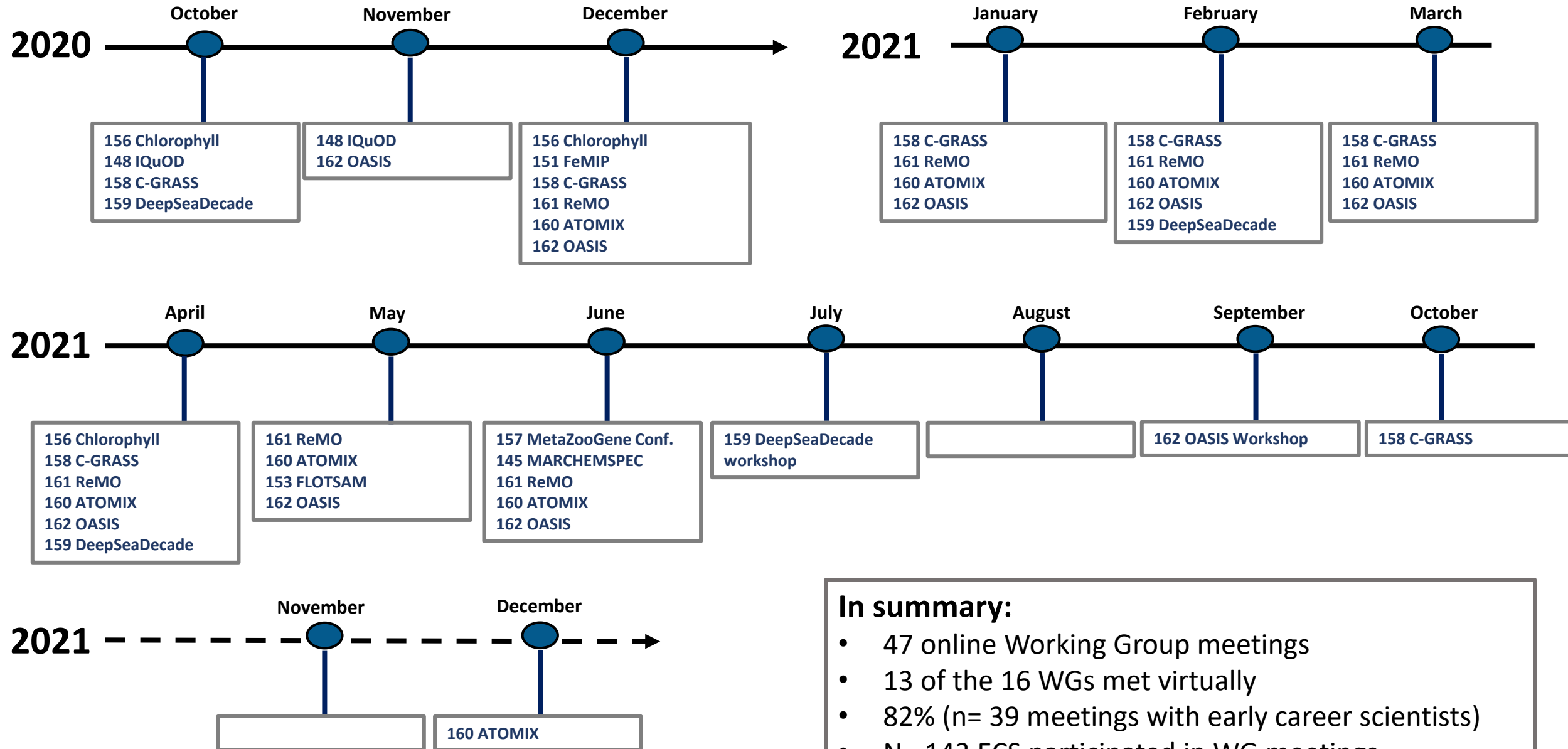
SCOR active portfolio



Working Groups



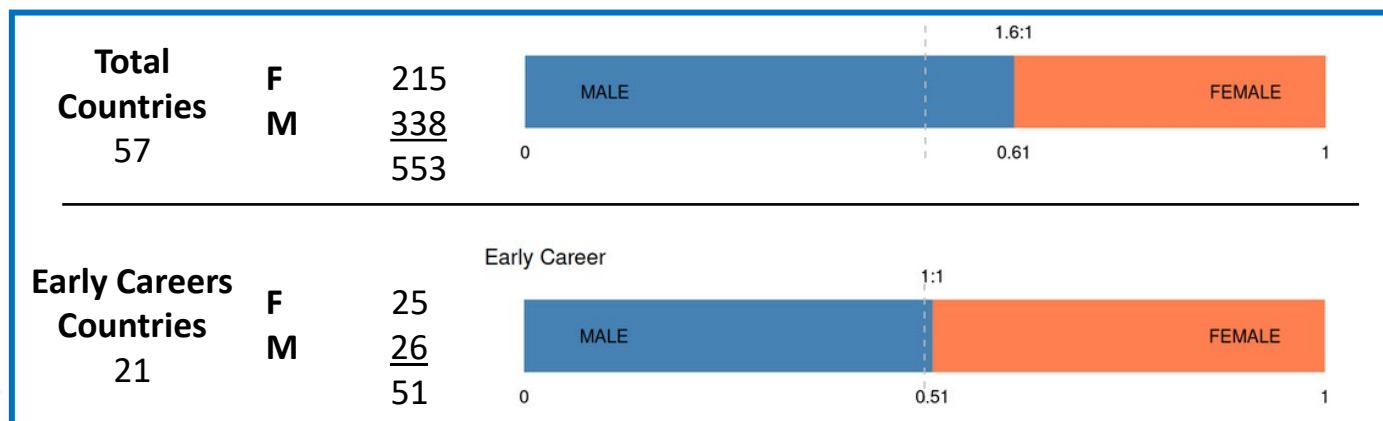
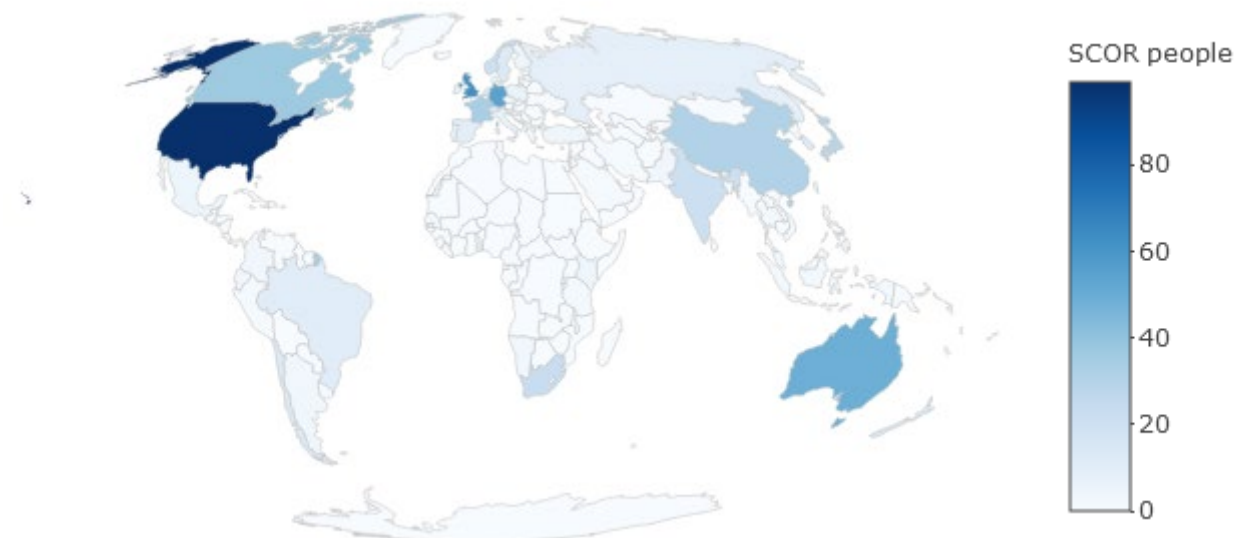
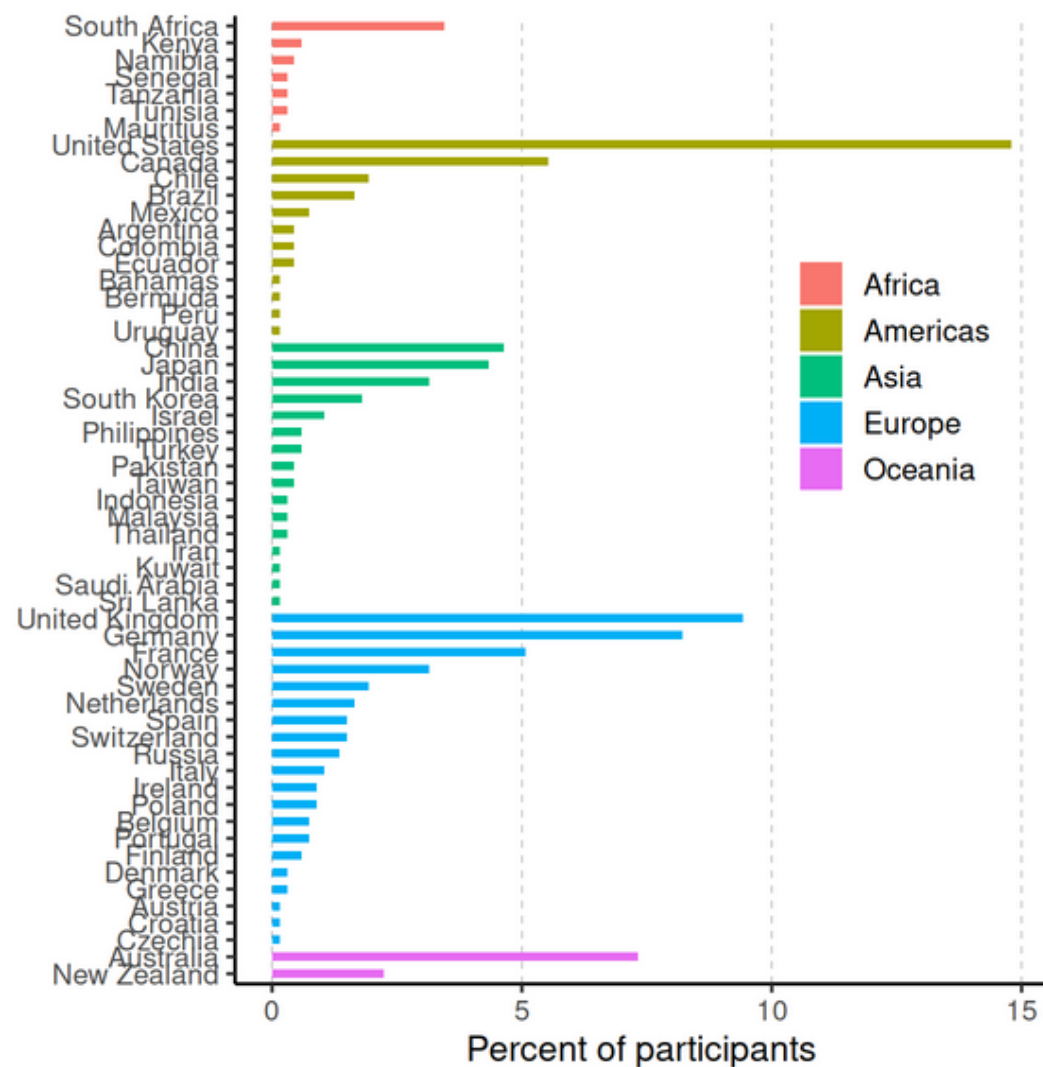
Working Group meetings



In summary:

- 47 online Working Group meetings
- 13 of the 16 WGs met virtually
- 82% (n= 39 meetings with early career scientists)
- N= 143 ECS participated in WG meetings

SCOR active community: 2020-2021



~2300 scientists in former Working Groups, projects and national committees since 1957!

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

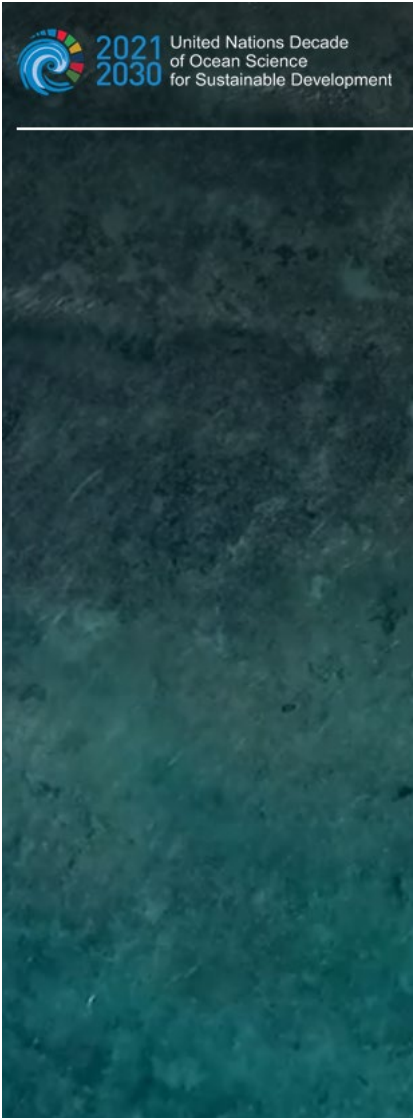
- **SCOR Infrastructural Project IOCCP – International Ocean Carbon Coordination Project**

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)

- **International Indian Ocean Expedition II – *seeking endorsement (in review)***

Full list of endorsed UN Ocean Decade programmes and contributions at:

<https://www.oceandecade.org/resource/166/Announcement-of-the-results-of-the-first-endorsed-Decade-Actions-following-Call-for-Decade-Actions-No-012020>



SCOR science highlights: publications (2019-2021)



Courtesy: Sandy Tomalla

Class	2019	2020	2021	Total
Working Groups	17	11	17	45
GEOTRACES	146	106	78	330
IMBeR	159	229	58	446
SOLAS	3	6	6	15
IOCCP	2	8		10
IIOE-2	10	3	1	14
SOOS	10	5	1	16
GlobalHAB	1			1
	348	368	161	877

At least 18 publications in 2020-2021 were co-authored by Early Career Scientists



Courtesy: GEOTRACES



Courtesy: MetaZooGene

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

Developing Capacity

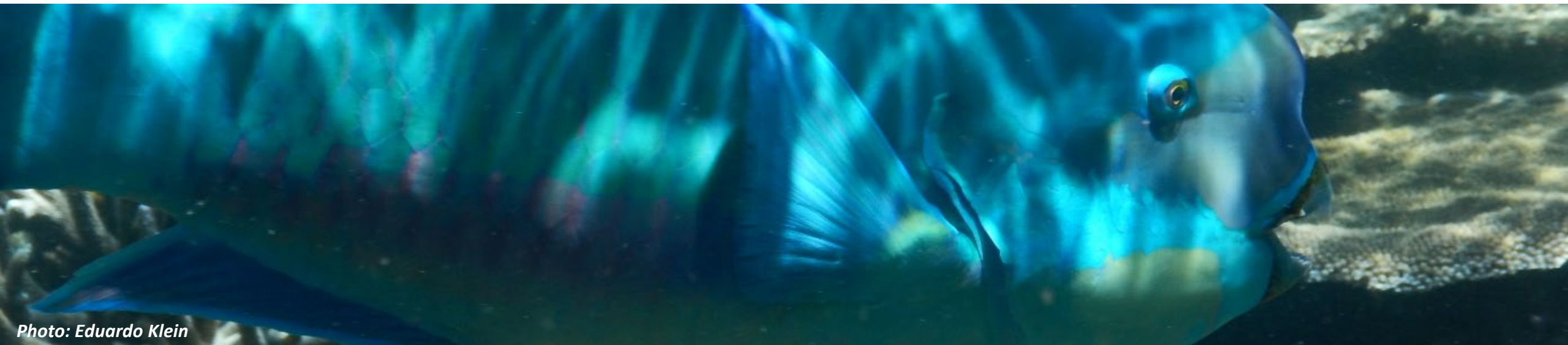


Photo: Eduardo Klein



Developing Capacity

Visiting Scholar Program
Since 2009
45 Visiting Scholars from 39 countries to 22 host countries

POGO-SCOR Fellowship
Since 2001
+160 fellows awarded (developing countries)

Travel support
Since 2008
+ 200 meetings
+500 scientists awarded

Regional Graduate Networks
Research Discovery Camps
(University of Namibia)
Yearly since 2014
2020-2021 (online)



Summer Schools
GEOTRACES
SOLAS
IMBeR
IOCCP

Capacity Development Committee (2021-2023)

Chair: Claudia Benitez-Nelson (USA)

Members: Sanae Chiba (Canada/PICES), Vanessa Hatje (Brazil), Ntahondi Nyandwi (Tanzania), Rui Seabra (Portugal), Paula Sierra (Colombia), Jennifer Verduin (Australia), Sun Xiaoxia (China-Beijing), Rebecca Zitoun (The Netherlands)



Courtesy: GEOTRACES Swings Cruise



Courtesy: SOLAS



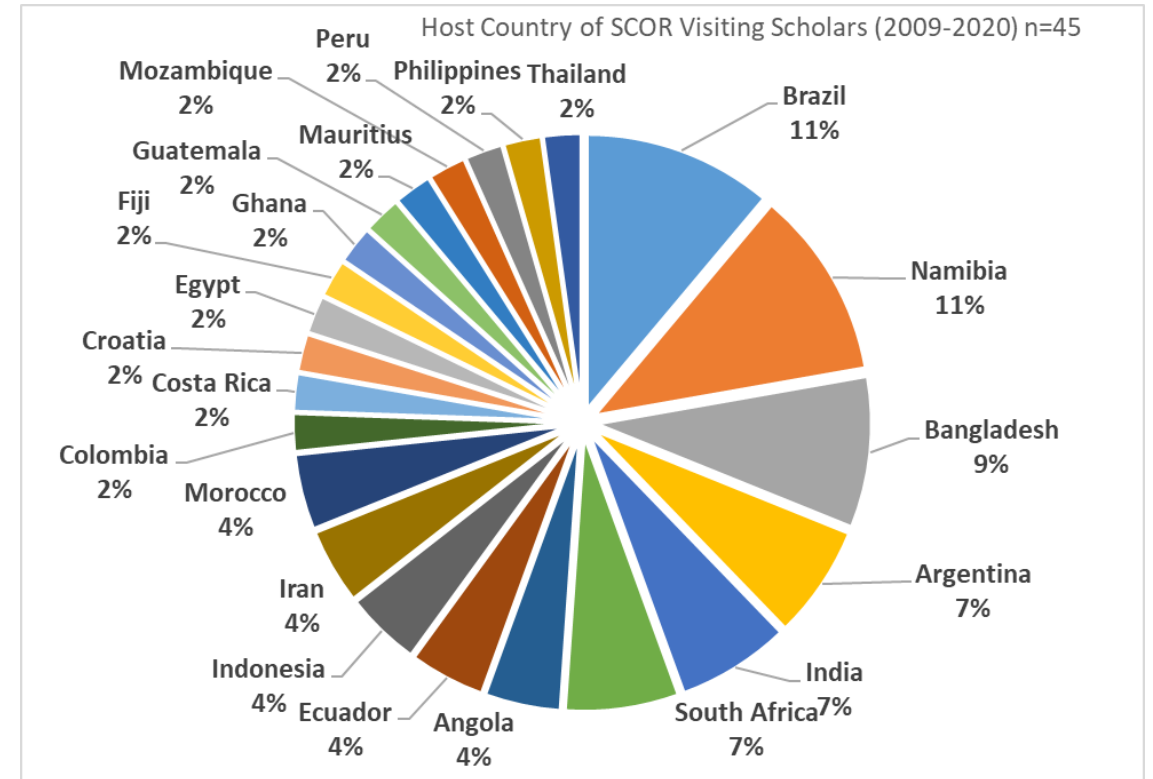
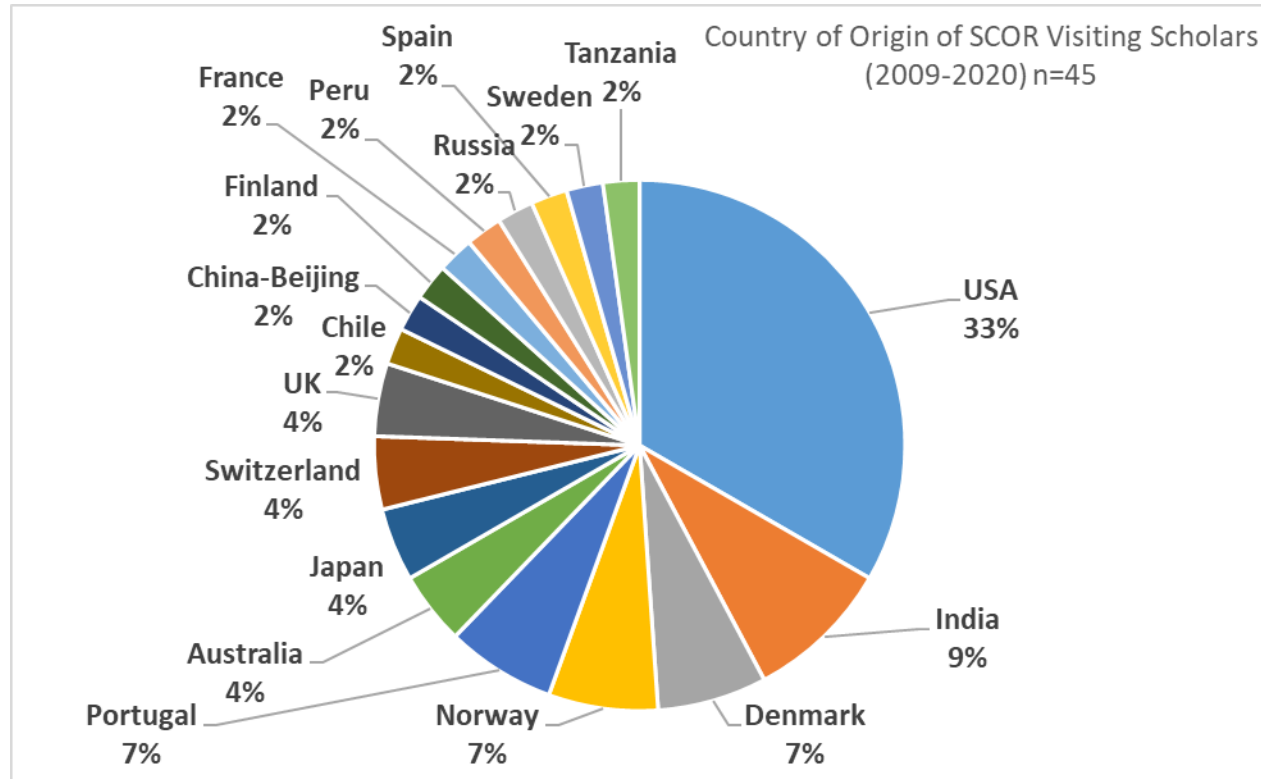
Courtesy: P. Miloslavich



Courtesy: IOCCP

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

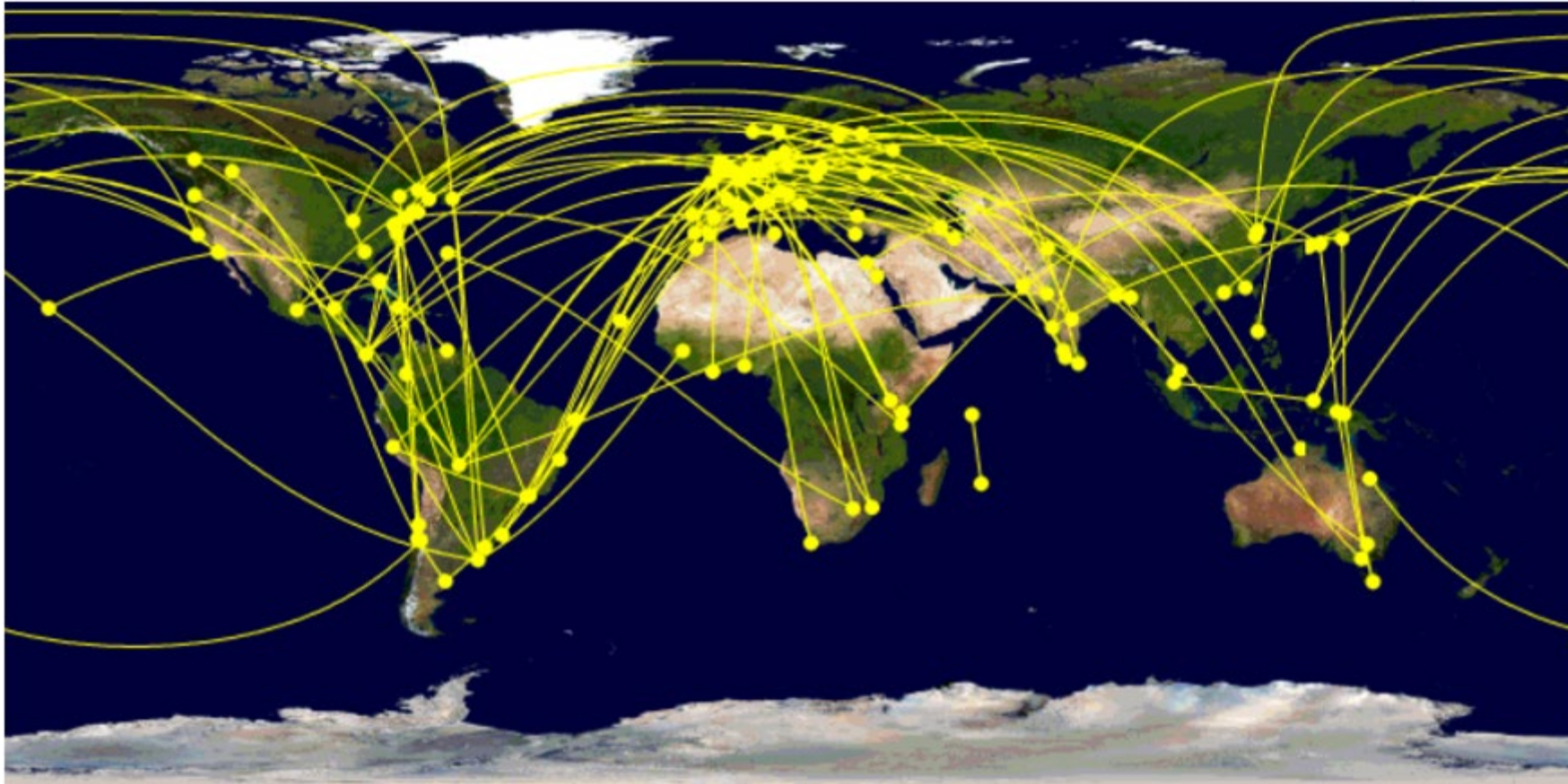
Developing Capacity: Visiting Scholar Program



Developing capacity: POGO-SCOR Fellowship program



Trajectories of the POGO-SCOR scholars between home and host institutes



Developing Capacity: Research Discovery Camps

Supported by the Agouron Institute and Simons Foundation through SCOR

Usually Summer Schools – this year it was carried out as a series of online seminars on Biogeochemical Oceanography in Upwelling Ecosystems hosted by the University of Namibia (Feb-Jun 2021: 18 seminars, 40+ presentations, 2 showcase student symposia with 10 presentations)



Opportunities for ocean scientists



- **Propose new WGs (or be part of)**

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-annual-meeting-2021/>



Photo: Eduardo Klein

Keep connected – keep informed

Website: ~1900 visits and +4500 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. Several SCOR working groups and projects will be on display 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 stoichiometric 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



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 challenge community has kept active and engaged, strengthening, and deliver science. Here are some of the updates.

[Visit our Website](#)

News from the projects

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)

[More information](#)

Marine Biogeochemical Cycles of Trace Elements and t (GEOTRACES)



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](#).

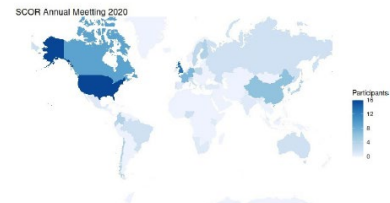


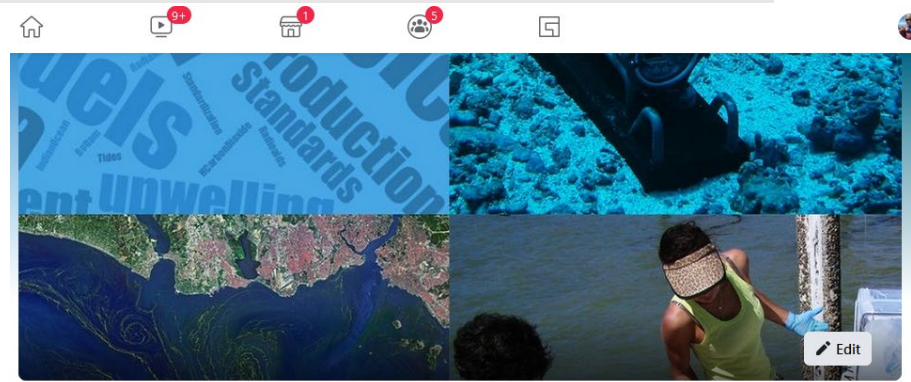
Image credit Lisa Maddison IMBeR SSC meeting



Twitter: ~930 followers



Facebook group: ~1.9 K members



Scientific Committee on Oceanic Research

Public group · 1.8K members



[+ Invite](#)



UPCOMING SCOR 2021 MEETING

25-29 October 2021
Virtual

[Past Annual Meetings](#)

WHAT'S HAPPENING

[Latest News](#)
[Calendar](#)

WHO WE ARE

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[National Committees](#)
[Partner Organizations](#)
[Affiliated Projects](#)

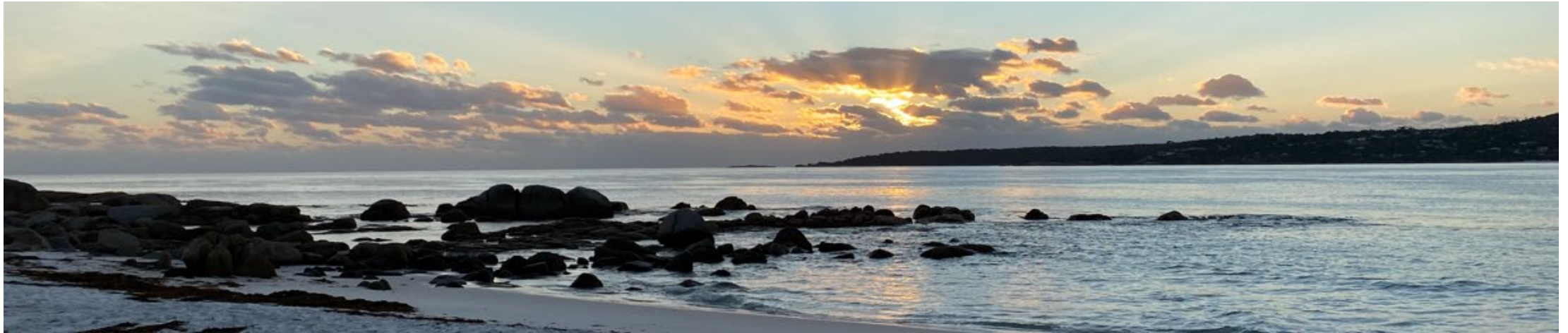
WHAT WE DO

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[Research Projects](#)
[Infrastructural Projects](#)
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GETTING INVOLVED

[Opportunities](#)





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

