AGM 2022

Challenger Society for Marine Science September 15, 2022



Council Members 2021

Officers of Council

Ros Rickaby FRS

Rob Upstill-Goddard

Mike Meredith

Ed Mawii

Mattias Green

President

President past

President elect

Treasurer

Secretary

Co-opted members

Angela Colling

Stephen Dye

Kerry Howell

Rachel Mills

Richard Herrington

Nick Owens

Kate Hendry

Ocean Challenge editor

Chair OC editorial board

Challenger 150

Challenger 150

2022 conference chair

2021 conference chair

EDI

Council members

John Allen

Stephanie Allen

Cecilia Liszka

John Bacon

Lidia Carracedo

Siddhi Joshi

Chelsey Baker

Katie St John Glew

Anna McGregor

Terry Sloane

Al Tagliabue

David Thomas

Mark Inall

Judith Wolf

Sophie Wilmes

Challenger Wave editor

SIGs SIGs

Webpage

ECR

ECR

Membership

Media and communications

Media and communications

Industry liaison

SCOR

Chair of NOC-A

Chair of NOC-A

Outreach and Education

Travel awards and Stepping

Stones bursaries

Agenda

- 1. Approval of minutes from the AGM in September 2021
- 2. Matters arising from minutes of the 2021 AGM
- 3. President's Report
- 4. Portfolio reports
- 5. Treasurer's report and accounts
- 6. Appointment of auditors for Independent Financial Review
- 7. Election of new Council Members
- 8. AOB

Approval of minutes of previous the AGM, September 28, 2021, online

http://www.challenger-society.org.uk/Annual_General



Proposer: Terry Sloane

Seconder: Nick Owens

2. Matters Arising none to report

3. President's Report - AGM 2022 Ros Rickaby FRS

Covid-19: Disruption to major Society Activity

Challenger Society 2021 Conference, SAMS, Oban: CANCELLED

A series of 4 virtual events in autumn of 2021:

- 9th September 2021 12:00-13:30 and 10th September 2021 16:00-17:00
 - Welcome, Fellowship Award talks and the Annual General Meeting
- 5th and 6th October 2021 13:00-14:30
 Equality, Diversity and Inclusivity sessions, co-hosted with MASTS
 Abstract submission deadline 13 September 2021.
- 18th November 2021 13:00-14:30
 Science for the UN Decade of the Ocean
 Abstract submission deadline 18th September 2021.
- 9th December 2021 13:00-14:30
 Defining Challenger Society's Role in Marine Science

EDI working group established on Council (gratefully led by Kate Hendry)



Challenger 150

Planning continued for the Celebrations of the 150th Anniversary of the Challenger Expedition. 1872-1876

2022 Challenger Conference: 5-9 September 2022,
 Natural History Museum, London

Showcasing the HMS Challenger expedition

Organization:

Rachel Mills, University of Sussex

Kerry Howell: University of Plymouth

Richard Herrington: Natural History Museum



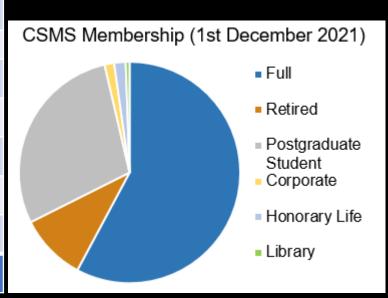


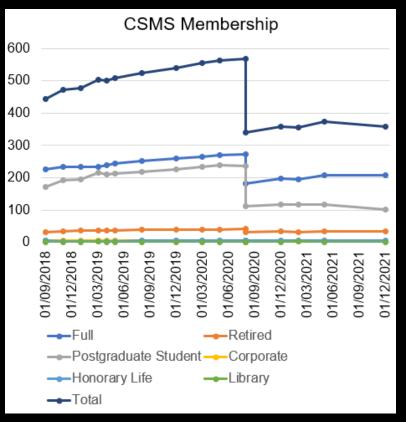
4. Portfolio reports

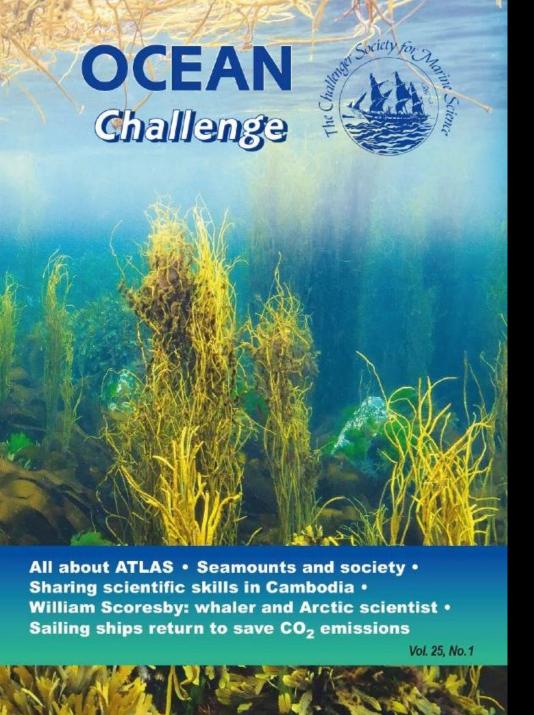
Membership and Data Protection Chelsey Baker

- Updated membership statistics to reflect fully-payed members (as of 1st December 2021)
- CSMS Data Protection Policy available online
- Minimal change during 2021 (note the purge of expired members in 2020)

Membership Type	Membership (01.12.2021)	Change in 2021
Full	201 (55.2%)	+10
Retired	35 (9.3%)	+1
Postgraduate student	103 (27.5%)	-14
Corporate	5 (1.3%)	+2
Honorary Life	6 (1.6%)	No change
Library	2 (0.5%)	+1
Total	358	No change







Ocean Challenge 2021 Editor: Angela Colling Editorial Board Chair: Stephen Dye

- Volume 25, No.1 was published in June, and Volume 25, No.2 was published online in December (though problems with a press at the printers delayed printed copies until Jan 2022).
- We had productive Teams meetings in May and November, with lots of good ideas for future articles.
- As a result, we have new feature about books that have inspired us in our marine science careers – do please contribute!
- Kelvin Boot joined the Editorial Board, and Bee Berx and Katrien Van Landeghem generously remained for an extra year. We need at least one more member, and hope to diversify the Editorial Board and maintain the breadth of disciplines and range of institutions that represent the Challenger Society membership.

Challenger Wave John Allen

- 12 issues published in 2021 emails to active members – download function.
- Articles can be submitted at any time to John Allen (john@vectisenvironmental.com)
- Especially news from research cruises, links to blogs, and job opportunities

December 2020





Monthly newsletter of the Challenger Society for Marine Science (CSMS)

Capital Expenditure Proposals NMEP/MFAB Members of the NERC-funded marine research science community, who are involved in research expeditions which utilise National Marine Equipment Pool (NMEP) equipment, www.noc.ac. uk/facilities/national-marine-equipment-pool, are invited to submit proposals for sensors, systems or platforms to enhance the NMEP. Proposals are collated and reviewed on an annual basis for consideration by the Marine Facilities Advisory Board (MFAB), new.noc.ac.uk/about-us/ournational-role/advisory-bodies, with those endorsed passed to National Marine Facilities (NMF) to progress when funding is available.



Between 2018 - 2020, 13 proposals have been reviewed, seven have been endorsed for inclusion as aspirations in the Technology Road noc.ac.uk/files/documents/about/ispo/ COMMS1155 NMF TECHNOLOGY ROADMAP 202021 V4.pdf, two of which with capital funding assigned. The seven include marine snow catchers, active heave compensation for RRS James Cook, and partial pressure CO2 systems. For further information about Capital Expenditure proposals and/or the application process, please contact MFAB Secretary, Jackie Pearson (ifpea@noc.ac.uk)

Expressions of interest to sit on the MFAB are always welcome. Please contact the MFAB secretary Jackie Pearson jfpea@noc.ac.uk for information and guidance.

Marine Pollution Bulletin special issue call for

The Marine Stressors Forum of the Marine Alliance for Science and Technology for Scotland (MASTS) has been holding regular sessions at MASTS Annual Science Meetings over the past few years. A key outcome of these sessions is the shared recognition that our understanding of the nature and impact of the interactions of multiple abiotic and biotic stressors from a variety of sources on marine species has some major and

Sources of stress include chemical, noise and light pollution as well as climate change-related parameters, such as water temperature, pH and salinity, furthermore fishery, coastal/sea-use changes and changes in species interactions, such as predation and resource competition. To date, our knowledge of whether and how different stressors interact is minimal. It is often assumed that interactions are additive, but in fact they can be antagonistic, synergistic and include

We seek contributions for a Marine Pollution

https://www.challenger-society.org.uk/Challenger_Wave

Early Career and Diversity in Marine Science Lidia Carracedo and Siddhi Joshi

- Early Career Researcher Network launched in late 2021
- Network Member Numbers:
 - 50+ in end of 2021
- Challenger Society Virtual Conference presentation on anti-racism
- Find A Science Berth Project Group Member
- Planning launch of Early Career Network monthly Seminar Series in 2022

- The 'Chris Daniels Early Career Grant'
 - £1000 for ECR events or workshops.
 - The grant announcement was delayed (took place early 2021)
- Other opportunities for funding
 - 'Stepping Stones Early Career Bursary scheme' (£1000 per grant) for ECR activities enhancing career prospects
 - ECR Challenger Fellowships (bursary of up to £1000), to recognise ECR's
- An updated and more interactive ECR & Diversity
 web site is being designed and developed, with new
 ECR resources, partnerships, events and
 opportunities.

SCOR Al Tagliabue

- UK continues to play a key role in SCOR
- >200 participants from 56 countries attended 2021 AGM
- Three new SCOR working groups approved
 - (1) Coupling of ocean-ice-atmosphere processes: from sealce biogeochemistry to aerosols and Clouds (Clce2Clouds), co-chaired by Nadja Steiner (Canada) and Megan Willis (USA),
 - (2) CoNCENSUS: Advancing standardisation of COastal and Nearshore demersal fish visual CENSUS techniques, cochaired by Anthony Bernard (South Africa) and Rick D. Stuart-Smith (Australia), and
 - (3) Mixotrophy in the Oceans Novel Experimental designs and Tools for a new trophic paradigm (MixONET), co-chaired by **Aditee Mitra (UK)** and George McManus (USA).
- Capacity development continued, with four visiting scholars sponsored
- Ongoing links with SCAR via co sponsorship of the Southern Ocean Observing System



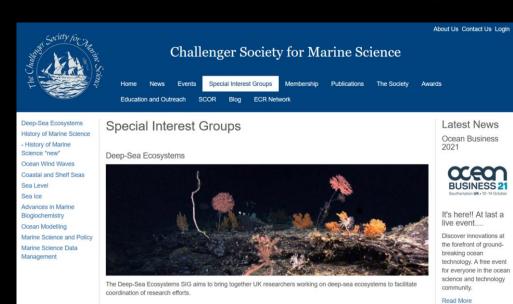
- Challenger Society covers 51% of SCOR subscriptions and council is the UK SCOR committee
 - A. Tagliabue chairs and also participates in Royal Society Global Environment Research Committee (GERC)
 - Kerry Howell and CSMS President are other nominated SCOR members
 - Partnership with the Royal Society is working well
- UK SCOR review of Working Group applications completed, new groups decided at 2022 SCOR AGM in Oct

Industry Liaison and Technology Terry Sloane

- Liaison with industry to provide access to news, research opportunities, commercial opportunities and employment opportunities from within the ocean business community
- Liaison with MSTG (Marine Science & Technology Group) trade association, The Society for Underwater Technology & IMarEST to provide a conduit for government organisations and policy makers from a lobbying, economic and business perspective and with the international oceanographic, hydrographic and meteorological instrument manufacturers and suppliers www.maritimeindustries.org www.imarest.org www.SUT.org
- To strengthen the relationship between the organisations to provide a coherent business and science contact point to government and the media as well as early career members.
- To provide the council and membership with information on developing technologies, "horizon scanning" sponsorship opportunities, industry support for research bids and technology search capabilities and to respond to requests for technical information
- To provide industry with a view of the future requirements of the marine science community and to brief instrument manufacturers
- To facilitate introductions between membership with respect to joint venture and licensing opportunities
- To facilitate space at UK based exhibitions and reciprocal marketing activities
- To raise sponsorship in support of our conferences and events including the (cancelled) 2020/2021 meeting in Oban

Challenger SIG update Stephanie Allen and Cecilia Liszka

- Cecilia Liszka (British Antarctic Survey) appointed new SIG lead at 2021 AGM
- Actions agreed at Council Meeting in December 2021 included:
 - Review which SIGs are still active and update details where necessary
 - Canvass interest in new SIGs and preferred ways of engaging
 - Share SIG lead contact list for nomination committee members with Kate Hendry
- SIGs that met in 2021:
 - Deep-sea
 - Ocean modelling



Stepping Stones Early Career Bursary Sophie-Berenice Wilmes

- Supports career development of members of marine science community.
- Up to £1000 per grant for activities enhancing career prospects: eg. collaborative visits, laboratory or field work.
- For researchers seeking employment post-qualification, and those between fixed term contracts.
- Up to four awards per year.
- Total of £3400 awarded in 2021

	January 2021	April 2021	July 2021	October 2021
Applications	1	3	1	0
Awarded to	Siddhi	Julia Spaet &	Regina	N/A
	Joshi	Neill Mackay	Kolzenburg	
Activity	GeoHab	Fish community	Analysis of	
	habitat	survey in Costa Rica	reproductive	
	mapping		structures of	
	conference	Collaboration with	calcifying	
		UNSW Sydney	macroalgae	









Student Travel Awards Sophie-Berenice Wilmes

- £1495 awarded in 2021
- 4 Virtual conference awards
- 2 awards for international travel
- Number of applications still much reduced due to Covid and most conferences online or cancelled

	January 2021	April 2021	July 2021	October 2021	
Applications	1	1 (Virtual Conference)	1 Travel Award 1 Virtual Conference	2 Virtual Conferences	
Awarded to	Danielle Sloan	Kelsey Barnhill	Eleni Christoforou & Africa Gomez	Celeste Kellock & Josephine Anslin	
Activity	Field course	14 th international coral reef symposium	Ecocity World Summit 2021 Floating University: R/V Oceania	OSM 2022 Warnemünde Turbulence Day	

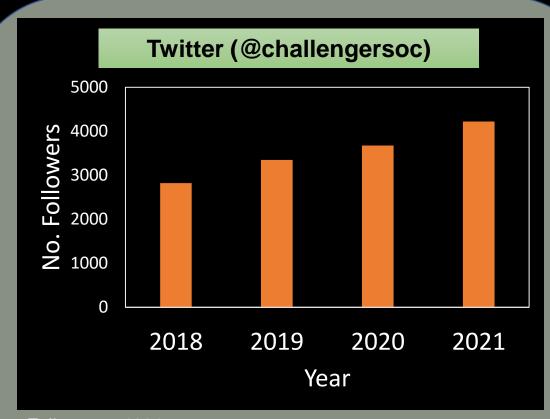
Acclimatization Drives Differences in Reef-Building Coral Calcification Rates HIGHLIGHTS Environmental changes did not impact calcification for Montipora capitata Environmental changes did not impact calcification for Montipora capitata Environmental changes did not impact calcification for Pontes compressa These results add to the growing body of evidence growing body of evidence in the unique Kâne'ohe Bay ecosystem







Communications Anna McGregor



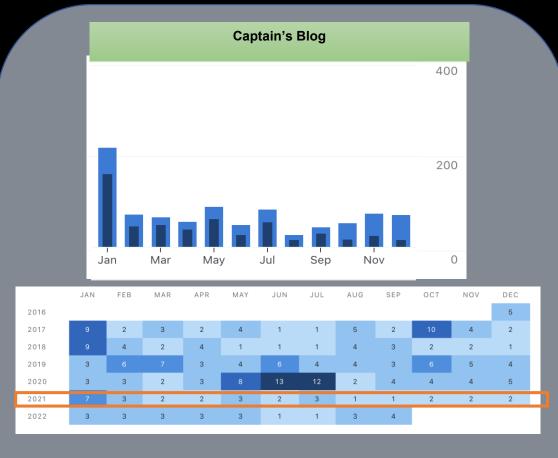
Followers: 4221 †451 followers from 2019 Engagement: 18.6k impressions/month



Challenger Society @challengersoc · 20 Jul 2021

(1/7) Amazing news! The 2021 Challenger Society conference will be happening, just in a new way! As 2 years is too long to forgo a meeting, join us for our Virtual Conference, a series of free online events running over Zoom this autumn! Full details at challenger-society.org.uk/Virtual_Confer... pic.twitter.com/lsFw7CJEVF

View Tweet activity



Titles

- What is Polar Physical Oceanography?
- Studying Coral Reef Soundscapes
- Searching for HUMIC Substances
- EUROFLEETS+ Floating University 2021
- Highlights from the 15th international Coral Reef Symposium

Blog: 900 views, 5 posts published

Outreach and Education 2021 Judith Wolf

- "Education" refers to activities involving schools and universities while "Outreach" refers to activities encouraging wider public interest in marine science
- We have been helping to organise the Virtual Challenger events between September and December 2021 https://www.challenger-society.org.uk/Virtual_Conference_2021
- We now have some new merchandise for the Challenger Society see https://www.challenger-society.org.uk/Merchandise
- We are interested in promoting diversity within marine science, including gender and ethnic diversity
- We continue to be involved in discussions around planning events for the celebration of the 150th anniversary of the
 Challenger Expedition, which departed from England in December 1872 and returned in May 1876. On its 68,890 nautical mile journey, circumnavigating the globe, 492 deep sea soundings, 133 bottom dredges, 151 open water trawls and 263 serial water temperature observations were taken from the HMS Challanger. About 4,700 new species of marine life were discovered.
 We are still discovering things about climate change from their results. The big event of 2022 will be the Challenger 150 conference in London
- We are now within the United Nations Decade of Ocean Science for Sustainable Development (2021-2030), see https://en.unesco.org/ocean-decade for details of the exciting science which is going on
- If you are keen to get involved in Outreach and Education with the Challenger Society, please do let us know!

5. Treasurer's report and accounts Ed Mawji

2021 Accounts YEAR ENDED 31 DECEMBER 2021

- As of 2019 the CSMS hosts the finances of the UKPN; numbers presented *do not* include the UKPN restricted funds.
- The society's Income and expenditure for the two COVID years 2020 and 2021 are very similar.
- The Society's total income for 2021 was £20,865, comparable to 2020 (£20,880).
- Total expenditure during 2021 was £22,906, a small decrease from 2020 (£ 23,121).

UKPN funds removed from table for 2019 to 2021

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Administration and website	1409	1680	1450	1975	4641	659	2849	792	1207	1633	2734
Publicity	0	577	327	0	300	0	324	384	87	0	0
Ocean Challenge	5887	5656	3029	3569	3644	2165	3811	6298	5679	3500	3077
Awards and prizes	2943	2820	4250	9041	4540	11784	7996	11957	9166	2500	6000
Accountants	2400	2340	2400	1323	1164	960	1375	1563	1308	1308	1105
Council and SCOR travel	2241	2010	2714	2732	1148	2333	2195	4243	2448	342	523
SIGs	531	1156	2053	2291	1716	1152	400	497	680	1000	0
Local networking	10787		9872	0	0	0	0	0	0	0	0
Subscriptions	2937	4612	6578	7896	8681	9290	11095	10726	11231	12806	9462
Equipment dep	436	326	245	184	138	103	78		0		0
Sundry	34	31	33	0	0	0	1850	2466	43	32	0
Total Exp	29984	21642	36383	33659	29493	31909	31973	38926	31849	23121	22901
Subscriptions + gift aid	12362	15256	10656	7626	7661	11501	13829	18226	11833	12113	12891
Grants	4000	4000	4000	5650	3000	9000	10534	7000	5000	7000	5000
Sponsorship CW	500	0	500	1350	1185	0	0	0	0	0	1189
Profits conference	10700	0	18973	0	20961	0	15841	0	6503.4	0	0
Interest from investments	1508	1520	1821	1578	1137	1533	1651	1725	1759	1767	1785
Total Inc	41980	20776	37189	16435	33944	22034	41855	26951	25095.4	20880	20865
Operating profit	11996	-866	806	-17224	4451	-9875	9882	-11975	-6753.6	-2241	-2036
Investment holding	32090	35072	39280	41130	41640	45627	49734	48363	57,020	60683	69329
Total Funds carried	112286	114402	119416	104042	109003	103115	117104	103758	105485	104907	111631

Questions on 2021 accounts?

Query raised about where the investments are — Council to follow up

Proposer: Sian Henley Seconder: Kate Hendry

Reserves policy

The Society's reserves policy has been prepared through consultation with the Charities Commission guidance on reserves policies for small charities and has previously been agreed by council.

- 1) £15k would be placed in reserve to cover unforeseen emergencies
- 2) £30k (3 x £10k) would be placed in reserve to offset any potential future uncertainties in income (effectively the difference between annual subscriptions (£15k) and total income=expenditure ~£25k)
- 3) A contingency fund of £20k (equivalent to one year average annual expenditure over past decade) be held in reserve to meet unforeseen needs including unexpected opportunities which might arise for the society to further its objectives.

The reserved policy to be kept under review by council and presented for acceptance by the membership annually at the AGM

Reserves policy

In summary:

- Council proposes a £65k reserve to be kept under annual review.
- Current funds held, excluding UKPN, (31 December 2021) are £111,631:
 - Fixed assets (investment) £69,329
 - Current assets (Bank Accounts) £42,230

Proposer: Nick Owens Seconder: John Huthnance

6. Appointment of auditors for Independent Financial Review

Accountants

In the interests of maintaining complete transparency in all of our affairs, the Challenger Society Council elected to continue to engage the services of an external auditor to perform an Independent Financial Review of the Society's accounts each year.

We have retained the services of:

Argents Chartered Accountants
15 Palace Street
NORWICH
Norfolk
NR3 1RT

Proposer: Ros Rickaby Seconder: Dave Munday

7. New and outgoing council members

Changes to Council

- Council members moving posts:
 - Ros Rickaby president to president past
 - Mike Meredith president elect to president
- Thanks to one member who are leaving council
 - Mattias Green secretary

Election of New Council Members

One new member to elect to Council:

Kate Hendry – secretary and officer of the council

Kate Hendry is a chemical oceanographer and marine biogeochemist in the Polar Oceans Team of the British Antarctic Survey, and an honorary researcher at the University of Bristol. Her research interests surround the impact on marine nutrient cycling of climate change in the polar regions.

Kate has published over 50 papers in international journals, and has won almost £4M in grant funding as Principal Investigator, and collaborated on several other national and international projects. She led the European Research Council funded project, ICY-LAB, investigating nutrient cycling in glaciated margins off Southwest Greenland, and was a member of the Changing Arctic Ocean program, as part of the Changing Arctic Ocean Seafloor project (ChAOS). She won the EAG Houtermans medal in 2016 for contributions to geochemistry, and a Challenger Society fellowship in 2012.

She is also chair of the Challenger Society for Marine Science special interest group on Advances in Marine Biogeochemistry (AMBIO). Kate is a member of the NOC Association of Marine Science National Capability Beneficiaries science steering group, and sits on both the Marine Facilities Advisory Board (MFAB). Kate is also Chair of Antarctic Science Ltd, and vice chair of the UK Arctic and Antarctic Partnership. She has a keen interest in reducing the carbon footprint of oceanographic research, and was a work package lead for the Net Zero Oceanography Capability team.

She also sat on the Challenger Society for Marine Science council as the chair of the Equity, Diversity, Inclusivity and Accessibility working group, and is a member of the Diversity in UK Polar Science Initiative committee.

Proposer: Kerry Howell Seconder: Karen Heywood

8. AOB

AOB

- 1. Next AGM: September 2023.
- 2. Questions to the Council?

Nick Owens queried about the underwriting of the conference finances. Council will discuss and report to the Oban organisers.

Sian Henley asked about NetZero for the 150 meeting at the NHM; it was suggested this was added to the feedback survey.

Philip Pearson commented on the Sea Shanty singers being back at the NHM for a documentary which will feature the 150.

https://www.challenger-society.org.uk/