

AGM 2019

Tuesday 10th September 2019,
Modelling SIG meeting Edinburgh

President: Rob Goddard rob.goddard@newcastle.ac.uk
Secretary: Mattias Green m.green@bangor.ac.uk



Agenda

1. Approval of minutes of AGM of September 2018
2. Matters arising from minutes of AGM 2018
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 and Officers
8. AOB



Approval of minutes of previous AGM September 12th, 2018

<p>Challenger society 2018 Conference</p> <ul style="list-style-type: none">- 2018 Conference Photo Gallery- Presidents Photograph Competition 2018 <p>Challenger Society 2016 Conference</p> <ul style="list-style-type: none">- Presidents Photography Competition <p>Challenger Society 2014 Conference</p> <ul style="list-style-type: none">- Challenger Society 2014 prize winners- Conference 2014 information sheets- Dig out your best photo and win a prize- Can You Produce Winning Words?- Some dos and don'ts for posters and presentations <p>Prospectus 2013</p> <p>Annual General Meetings</p>	<h2>Annual General Meetings</h2>  <p>President's Reports</p> <ul style="list-style-type: none">Annual General Meeting 2017 - ObanAnnual General Meeting 2016 - LiverpoolAnnual General Meeting 2015 - SheffieldAnnual General Meeting 2014 - PlymouthAnnual General Meeting 2013 - LeedsAnnual General Meeting 2012 - UEA	<h2>Latest News</h2> <h3>Challenger AGM</h3>  <p>Challenger Society AGM 2019 University of Edinburgh - September 10th 2019: 1330-1400</p> <p>Read More</p> <h3>Ocean Modelling Meeting</h3>  <p>THE UNIVERSITY of EDINBURGH</p>  <p>SAGES Scottish Alliance for Geoscience, Environment and Society The <i>Institute for Global Change of the</i></p>
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Proposer: John Allen

Seconder: Fabian Grosser



2. Matters Arising



Council Members, Terms of Office & Responsibilities

Officers

- President 2018-2020 Professor Rob Upstill-Goddard, Newcastle University
- Past-President 2016-2018 Professor Rachel Mills, University of Southampton
- Honorary Secretary 2018-2022 Dr Mattias Green, Bangor University.
- Honorary Treasurer 2017-2020 Dr Edward Mawji, National Oceanography Centre, Southampton.

Ordinary Members of Council

- Web Development 2018-2021 Dr John Bacon, Centre for Environment Fisheries and Aquaculture Science, Lowestoft
- Education and Outreach 2017-2018 Dr Nick Higgs, Plymouth
- Early Career Network Coordinator 2016-2019 Dr Ale Sanchez Franks, National Oceanography Centre,
- Editor, Challenger Wave 2010-2020 Dr John Allen, University of Portsmouth.
- Student Travel Awards and Stepping Stones 2018-2021 Dr Sophie Wilmes. Bangor University.
- Industry Liaison and Technology 2010-2022 Mr Terry Sloane, Planet Ocean Ltd.
- Communications 2015-2018 Dr Emma Cavan, UTAS
- UK SCOR Representative 2015-2018 Prof Gideon Henderson, University of Oxford. website
- UK SCOR Representative 2017-2020 Prof Peter Burkill, University of Plymouth.
- Membership, Data Protection and Management 2017-2020 Dr Rob Hall, University of East Anglia. Website

Ex-officio and co-opted members of Council:

- Chair, Ocean Challenge Editorial Board Prof Grant Bigg, University of Sheffield.
- Editor, Ocean Challenge Ms Angela Colling, Formerly Open University
- Chair, Challenger 2020 conference Prof Nick Owens SAMS



3. President's Report - AGM 2019

Rob Upstill-Goddard



Formalising links to the National Oceanography Centre Association (NOC- A)

NOC-A (<https://noc.ac.uk/about-us/our-national-role/noc-association>)

Aims:

- Unite NERC-funded marine science community & its stakeholders
- Influence funders & policy makers
- Impact of science on society

Delivery:

- Two-way dialogue with UK marine science community
- National & international strategic focus
- Showcase UK capabilities & achievements: policy makers, industry, learned & professional societies, the public
- Consultations & marine science briefings
- Inform new funding initiatives

Challenger President sits on NOC-A Steering Committee



Framework Partnership Agreement with the Prince Albert II of Monaco Association



<https://www.fpa.org/home.html>

Foundation Objectives:

- Raise public & government awareness of human impacts on the oceans
- Encourage more environmentally-friendly activities
- Promote outstanding initiatives & innovative solutions through awards & grants

Foundation aim:

- Initiate partnerships to identify & conduct joint projects of mutual interest

Joint Agreement: collaborate to fulfil common goals:

- Co-support for projects in common fields of interest & geographical areas
- Combine scientific & technical expertise for project selection, monitoring & appraisal
- Coordinate joint participation in conferences, round tables & symposia etc.
- Develop common tools for communication, capitalization & knowledge development.

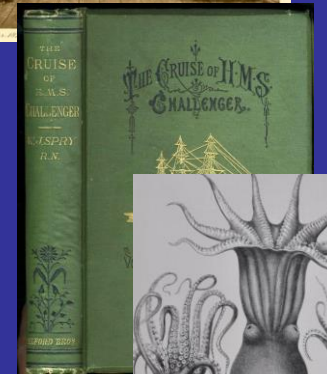
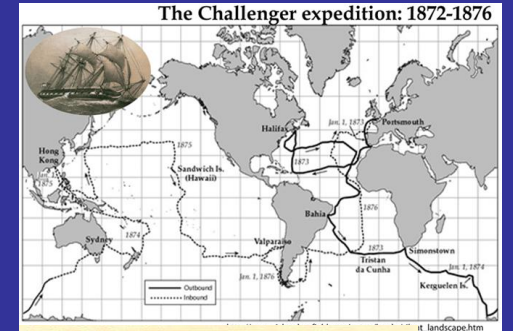
• For more information contact Rachel Mills: Rachel.Mills@soton.ac.uk



Challenger 150: Celebrating the 150th Anniversary of the Challenger Expedition. 1872-1876

2022 Challenger Society Conference

- 5-9 September 2022
- To be hosted by The Natural History Museum, London
- Exhibition showcasing the expedition of HMS Challenger
- Organizing Committee currently being appointed
- Challenger 150 activities coordinated by Rachel Mills (Rachel.Mills@soton.ac.uk)





4. Portfolio reports - AGM 2019



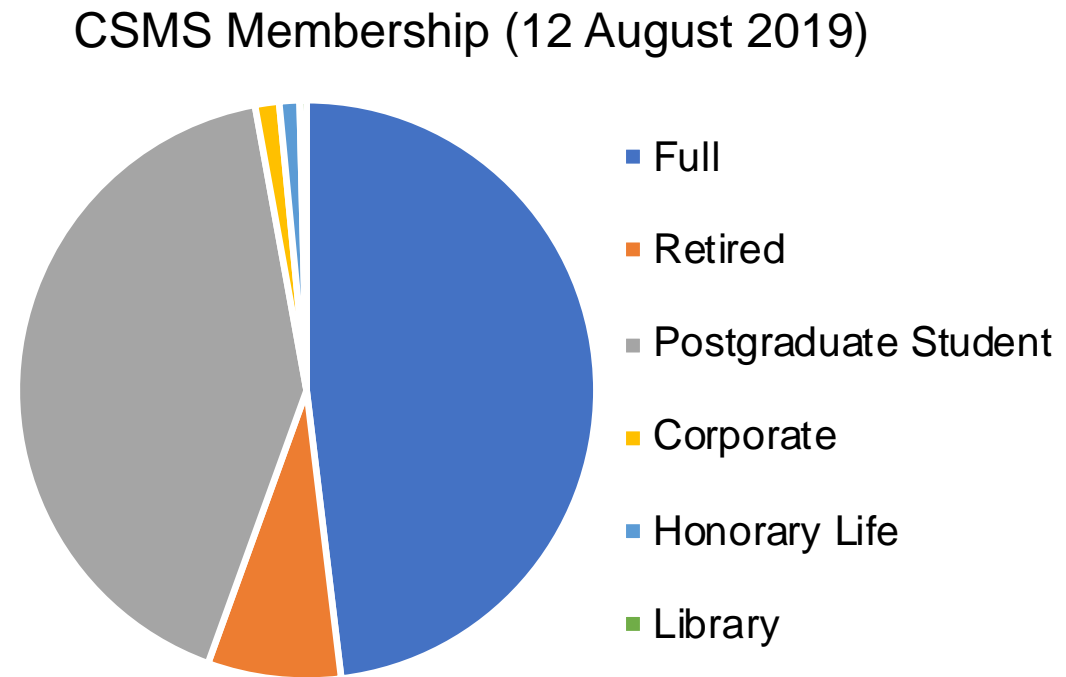
Membership and Data Protection

Rob Hall



- Total membership up 18% since 2018 AGM!
- Efforts are being made to ensure that all members are the correct type (full, retired, postgraduate student) - correct fees
- CSMS Data Protection Policy available online

Full	252 (48.1%)
Retired	39 (7.4%)
Postgraduate Student	218 (41.6%)
Corporate	7 (1.3%)
Honorary Life	6 (1.1%)
Library	2 (0.4%)
Total	524





Website Development 2019

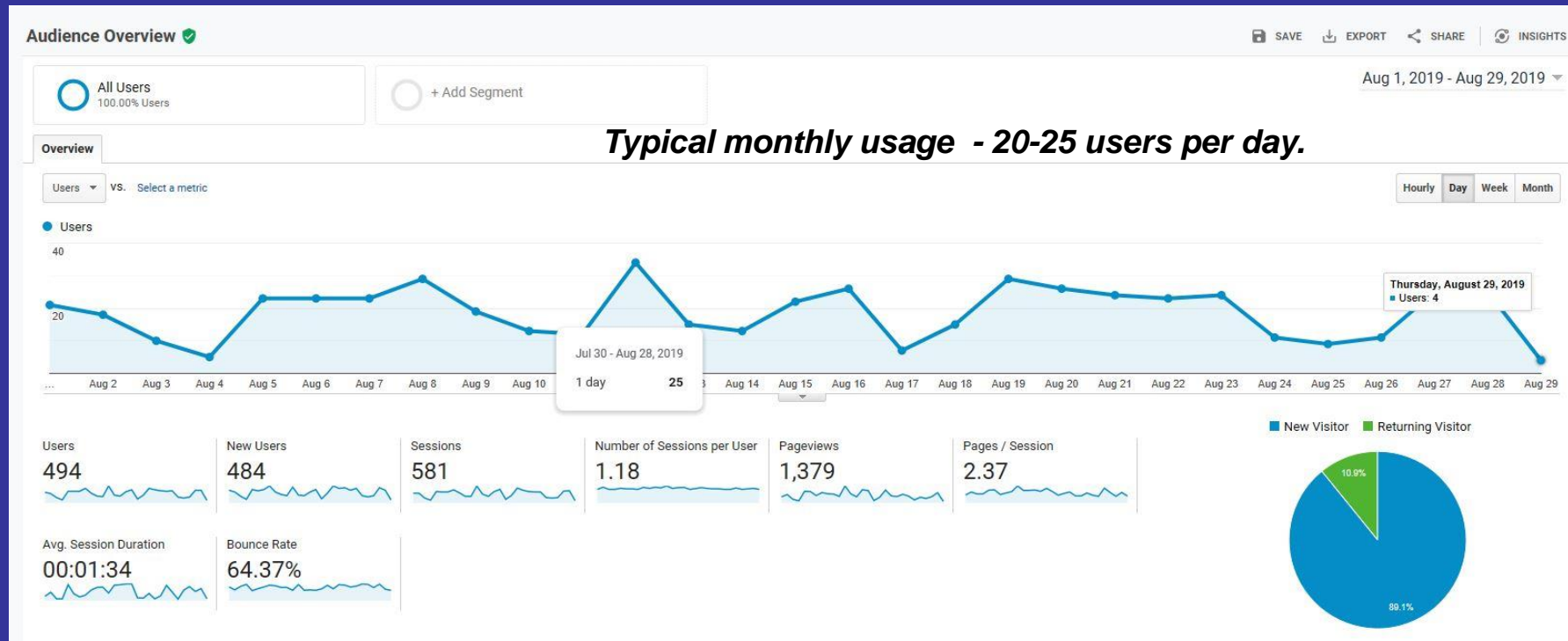
John Bacon

john.bacon@cefas.co.uk



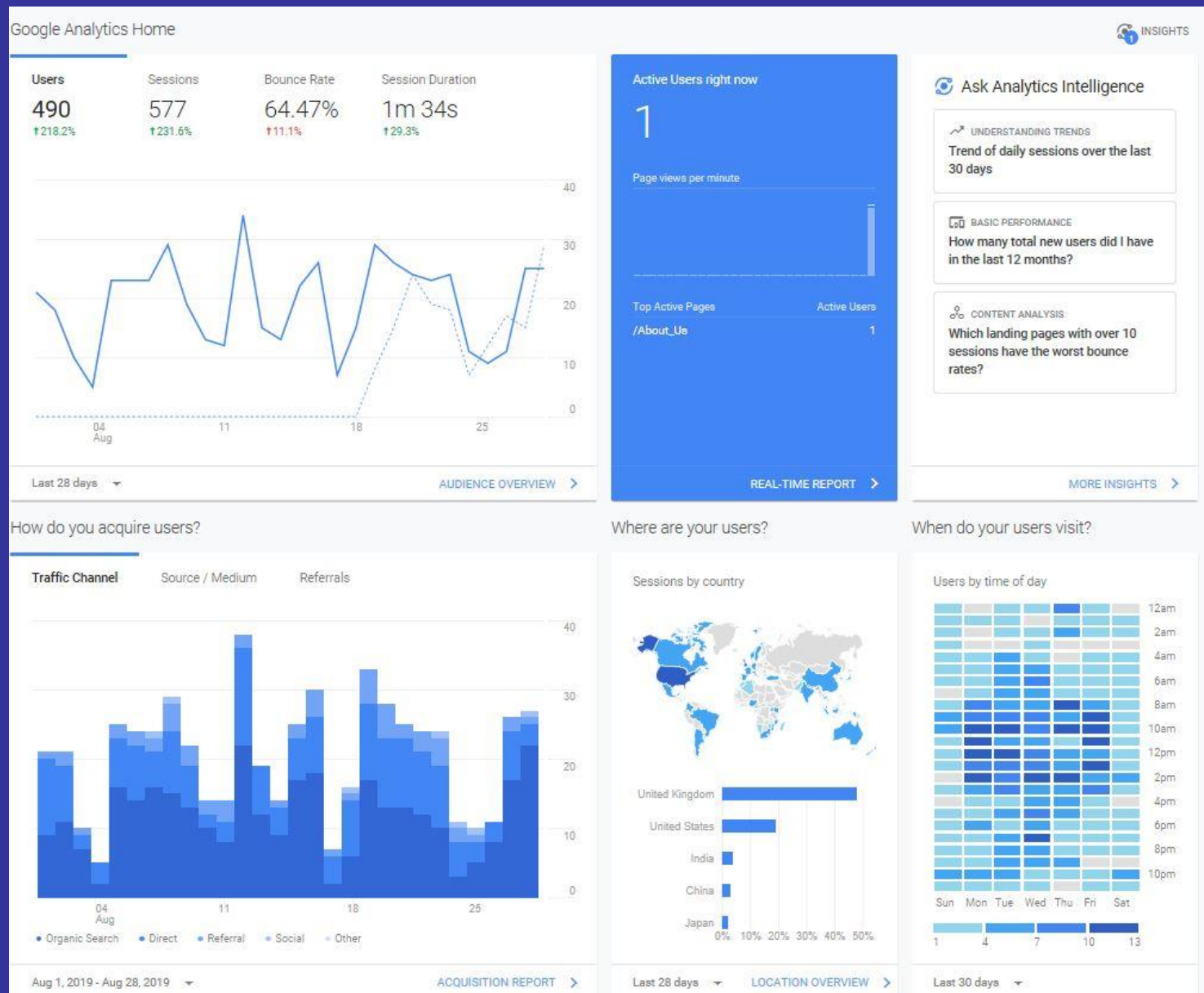
2019 Features

- Moved to a supported hosting and development service - improved security, reliability and information – Google Analytics
- SIG area improvement
- Gift Aid claims linked to the website databases





Website Analytics





Challenger Wave

John Allen



- 12 issues published this year – emails to active members – download function.
- Articles can be submitted at any time to John Allen (john.allen@port.ac.uk)
- especially, news from research cruises (or links to blogs!)



NEWS

Arctic Circle Forum in Seoul, South Korea

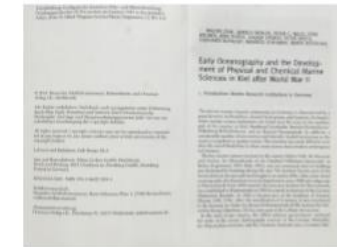
Together with the Korea Maritime Institute, the Korea Polar Research Institute and the Ministry of Foreign Affairs of the Republic of Korea, the Arctic Circle will co-host a forum over December 7th-8th in Seoul, South Korea. Held under the title "Asia Meets the Arctic: Science, Connectivity and Partnership," the Forum will take place at the Lotte Hotel in Seoul.

Participants will have the opportunity to attend a guided study visit to the Korea Polar Research Institute. The Forum will be held just prior to Arctic Partnership Week in Busan (December 10th-14th), which participants will be able to attend as well. Program news and registration information will be published later in August. •

The Arctic Circle Secretariat

The history of physical and chemical oceanography in Kiel.

I have received a copy of a new monograph describing the development of primarily, physical and chemical oceanography, in Kiel, Germany.



The book, (93pp) by Walter Zenk and co-authors, was inspired by the book "Of Sea and Ships and Scientists" describing the foundation of the National Institute of Oceanography (NIO) in the UK.



The details are shown on the inserted images, which also include details of two other monographs:

- 1) By Gotthilf Hempel on a half century of Germany oceanography (in German) and
- 2) by Jorn Thiede and co-authors on Marine Geosciences post WWII.



Ocean Challenge – 2018/2019

Angela Colling (Editor), Grant Bigg (Chair, Editorial Board)

Volume 23, No.2 was published in the Spring.
Volume 24, No.1 will come out in the Autumn.

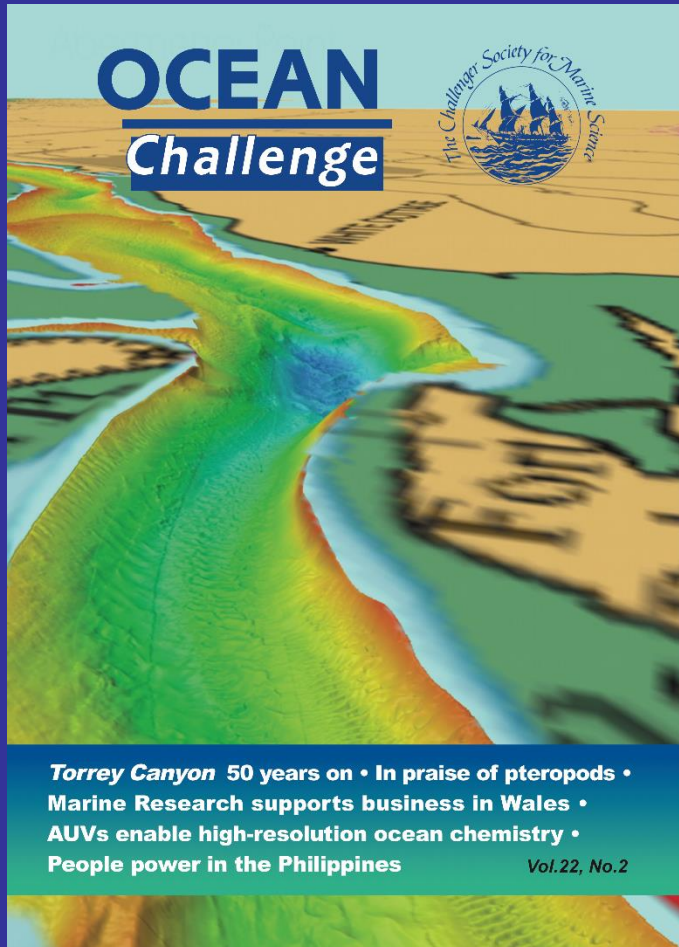
Editorial Board

- Grant Bigg is stepping down after six years as Editorial Board Chair. The new Chair is Steve Dye (Cefas).
- Phil Goodwin and Laura Grange have joined the Editorial Board.
- Katrien Van Landeghem and Bee Berx have kindly agreed to stay on for an extra year.
- Grateful thanks go to outgoing Editorial Board members, Louisa Watts and Tom Brown.

Search facility

As past issues can now be searched for content, we are hoping that the archive will be increasingly used as an educational resource. Please let us have ideas for how to promote this.

New material is always welcome! If you have an idea for an article or an opinion piece, please contact the Editor, AngelaMColling@gmail.com





Special Interest Groups

Al Tagliabue



1. Spring clean of SIG activity

SIGs have been contacted and there is a list of contacts / reps for each SIG

Three SIGs have been closed:

Marine Technologies

Biophysical Interactions

Marine Optics

Request for name change for COP SIG to Coastal and Shelf Seas approved.

2. Harmonising the web presence of SIGs

Call for website information for SIGs to harmonise the outward face on the Challenger website.

So far, four SIGs have replied. Reminders have been sent to outstanding folks.

3. Drafting a call for new SIG activity

4. Email to Challenger List has been drafted highlighting the SIGs and making a call for new community initiatives.

Budget for 2018 (and 2019): £3000 Fully Allocated



Special Interest Groups

Al Tagliabue



AMBIO

Deep Sea Ecosystems

Marine Science and Policy

Ocean Modelling

Sea Ice

History of Marine Science

Marine Data Science

Ocean Wind Waves

Coastal and Shelf Seas

Sea Level

Will Homoky

Kerry Howell

Abigail McQuatters-Gollop & Jacqueline Tweddle

Helen Johnson

Jeff Ridley

John Gould

Matt Donnelly

Lucy Bricheno

Rob Hall

Jo Williams



Education and Outreach

Judith Wolf



- Definitions:
 - "education" refers to efforts involving the formal education system
 - "outreach" to efforts intended to encourage wider public interest in a subject
- Aim
 - engage with schools to increase the uptake of marine science degrees,
 - training the marine scientists of the future
 - participate in outreach activities.
- Explore ways in which the Challenger Society can work with the marine science community
 - to help you deliver outreach and/or deliver it on your behalf.
 - Information please!
- We are also particularly interested in promoting diversity within marine science, including gender diversity.

If you are keen to get involved in outreach/education with the Challenger Society, do let us know!



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.
- Open to PhD candidates (PhD thesis submitted) or post doctoral researchers.
- For researchers seeking employment post-qualification, and those between fixed term contracts.
- Up to four awards per year.

Awardees to date :

	Feb 2018	May 2018	August 2018	Nov 2018
Applications	1	6	0	3
Awarded to	Zoe Hutchinson	Lyndsey Fox		Richard Sims
Activity	Conference attendance and networking	Challenger Expedition samples		Collaborative research on air sea fluxes

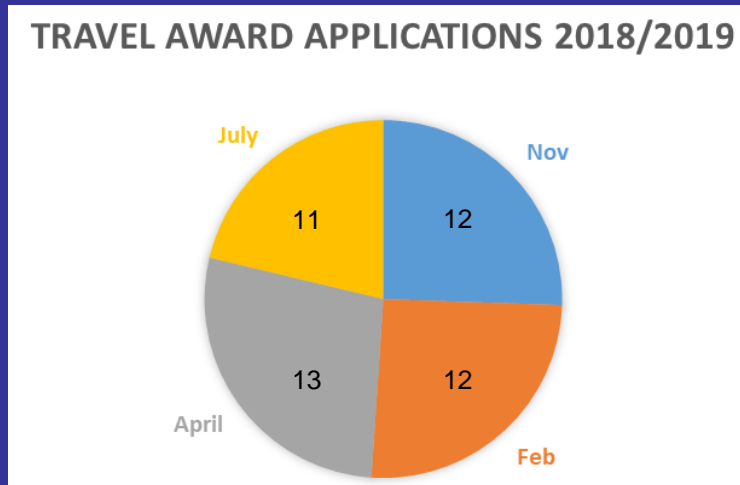


Student Travel Awards

Sophie-Berenice Wilmes



- £6000 awarded in 2018
- 11 awards for International Travel
- 2 awards for UK travel



Mathilde Bue - International Temperate Reef Symposium
in Hong Kong

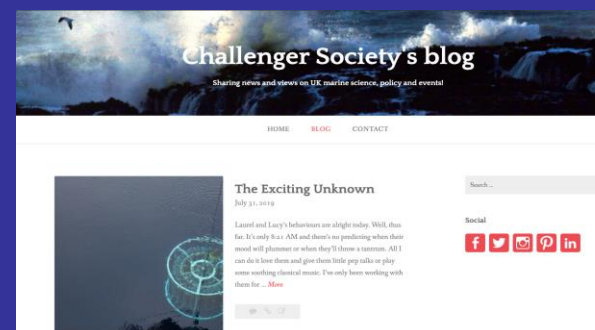
- 2015 – 57 applications 25 awards
- 2016 – 50 applications – 22 awards
- 2017 – 49 applications – 15 awards
- **2018 – 48 applications – 13 awards**

Budget of ~£6k – UK £250 International £500



Comms

Emma Cavan,
Katie St. John Glew



This year on **Twitter** @ChallengerSoc:

- 3,348 followers (2,821 in 2018)
 - ASLO = 4,131
 - AGU Ocean Sci = 1,043



Distribution of Twitter followers globally and within UK.

Blog

- Aim for blog posts once a month

- Recent blog post titles:

The Exciting Unknown – *Elise Droste, UEA*

The UKOT Blue Belt programme – *James Bell, Cefas*

The Ocean Tide and Port of Liverpool – *Philip Woodworth, NOCL*

Blowing Bubbles – *Ben Roche, University of Southampton*

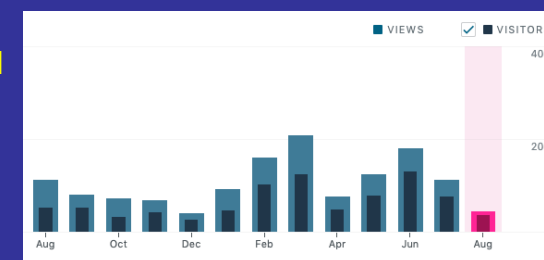
The future of sustainable ocean science – *Kate Hendry, University of Bristol*

- Always on look out for content – please email

katie.stjohnnglew@soton.ac.uk



Number of blog views each year and per month.





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 & 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
- 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 raise sponsorship in support of our conferences and events
- To facilitate space at UK based exhibitions and reciprocal marketing activities



<http://www.oceanbusiness.com/oceanbuzz/>



Early Career and Diversity in Marine Science

Alejandra Sanchez-Franks



- New funding opportunity announced: the 'Chris Daniels Early Career Grant'
 - £1000 for ECR events or workshops. First application round will be announced in February 2020. The grant will be awarded to recipients in person at the biannual conference.
- Other opportunities for funding
 - 'Stepping Stones Early Career Bursary scheme'
 - ERC Challenger Fellowships (bursary of up to £1000), to recognise and honour ERC's achievement or promise in a branch of marine science.
- Diversity in Marine Science (DiMS) event will be held at the National Oceanography Centre in Southampton in October 2019 (date to be determined).
 - The event will be funded/lead jointly by the Challenger Society (Lidia Carracedo) and Women in Coastal Geoscience and Engineering Network, WICGE (Siddhi Joshi)
 - cover topics on gender diversity in marine science, unconscious bias, etc.
- New ECR resources, partnerships, events and opportunities for feedback will be soon updated on the Challenger Society website.



UK-SCOR

Gideon Henderson, Peter Burkhill



What is SCOR:

- The Scientific Committee on Ocean Research is an ICSU body coordinating international ocean science
- SCOR champions major programmes (SOLAS, IMBER, GEOTRACES...), arranges international working groups on critical ocean issues, and is important in promoting international capacity building in ocean sciences

UK Participation:

- UK participation in working groups is high: 7 Chairs/Co-chairs; 7 other Full Members; 15 Associate Members
- Also membership on steering committees for 5 international programmes, including Chair of IMBER (Carol Robinson) and Co-Chair of Quiet Ocean Experiment (Peter Tyack).

UK logistics

- The UK's subscription to SCOR is \approx £19k. 51% from Challenger, 49% from Royal Society
- The Challenger Council has a formal role in UK liaison with SCOR, though the Royal Society's Global Environmental Research Committee (GERC) also considers UK-SCOR links
- This year Alessandro Tagliabue (University of Liverpool) replaced Gideon Henderson as Chair of UK-SCOR, and represents SCOR issues to Challenger Council and GERC

New website at: **scor-int.org/**



5. Treasurer's report and accounts



2018 Accounts

- The Society's total income for 2018 was £26,951 a decrease on 2017 (£ 41,855)
- Total expenditure during 2018 was £38,926, comparable to 2017 (£31,973)

	2010	2011	2012	2013	2014	2015	2016	2017	2018
Administration and website	1595	1409	1680	1450	1975	4641	659	2849	792
Publicity	0	0	577	327	0	300	0	324	384
Ocean Challenge	4211	5887	5656	3029	3569	3644	2165	3811	6298
Awards and prizes	2741	2943	2820	4250	9041	4540	11784	7996	11957
Accountants	2399	2400	2340	2400	1323	1164	960	1375	1563
Council and SCOR travel	1586	2241	2010	2714	2732	1148	2333	2195	4243
SIGs	59	531	1156	2053	2291	1716	1152	400	497
Local networking	548	10787		9872	0	0	0	0	0
Subscriptions	109	2937	4612	6578	7896	8681	9290	11095	10726
Equipment dep	163	436	326	245	184	138	103	78	0
Sundry	190	34	31	33	0	0	0	1850	2466
Total Exp	13975	29984	21642	36383	33659	29493	31909	31973	38926
Subscriptions	14324	12362	15256	10656	7626	7661	11501	13829	18226
Grants	6000	4000	4000	4000	5650	3000	9000	10534	7000
Sponsorship CW	0	500	0	500	1350	1185	0	0	0
Sponsorship conference	3003	10700	0	18973	0	20961	0	15841	0
Interest from investments	1457	1501	1513	1814	1571	1130	1526	1651	1725
Deposit account interest	7	7	7	7	7	7	7	0	0
Total Inc	24791	41980	20776	37189	16435	33944	22034	41855	26951
Operating profit	10816	11996	-866	806	-17224	4451	-9875	9882	-11975
Investment holding	34047	32090	35072	39280	41130	41640	45627	49734	48363
Total Funds carried	102247	112286	114402	119416	104042	109003	103115	117104	103758



Questions on 2018 accounts ?

Proposer: Fabian Grosser

Seconder: Katie Sieradzan



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 (31 December 2018) are £103,758k

Fixed assets (investment) £48,535

Current assets (Bank accounts) £55,223

Proposer: Andrew Willmott

Seconder: Fabian Grosser



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: John Allen

Seconder: Andrew Willmott



New and outgoing council members



Council Members Completing their Terms this year

Thanks to these members who have served on council
and complete their terms this year:

Grant Bigg	Chair of OC editorial board	2014 - 2019
Ale Sanchez-Franks	ECR and equality	2017 - 2019
Richard Sanders	Policy	2016 – 2019
Peter Burkhill	SCOR	2016 – 2019
Gideon Hunderson	SCOR	2016 - 2019
Rachel Mills	President Past	2015 – 2019
Emma Cavan	Comms	2015 - 2018



Council Members co-opted in new role

Members changing post on council

Rachel Mills president past -> Challenger 150 coordinator

Al Tagliabue SIGs -> SCOR and SIGs

Co-opted members

Stephen Dye (CEFAS)

Nick Owens (SAMS)

Nick Herrington (NHM)

Chair of the OC editorial board

Chair of the 2020 organising committee

Host for the 2022 conference



Election of New Council Members

Four new members to elect to Council:

Lidia Carracedo (ECR and equality)
Katie St John Glew (communications)
Judith Wolf (Education and outreach)
Rosalind Rickaby (President elect)



Early Career and Diversity in Marine Science

Lidia Carracedo



Lidia is a physical oceanography researcher (post-doc) in the Marine Physics and Ocean Climate group at the National Oceanography Centre in Southampton since Feb 2018. Lidia graduated in Marine Science (2008) and did a MSc in Applied Physics at the University of Vigo (Spain), before completing a PhD in Oceanography from University of Vigo in 2013. Prior to joining NOC, Lidia held post-doctoral positions at the Marine Research Institute of Vigo (Spanish National Research Council) and at the University of Vigo, with the latter being partly based at NOC and at the Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER, Brest).

Seeking to better understand the ocean's role in climate, Lidia's research interests evolved into the biogeochemistry field, particularly focusing on *in situ* observations and data analysis of physical and carbonate system variables.

Proposer: Lucy Bricheno

Seconder: Fabian Grosser



Communications and social media

Dr Katie St. John Glew



Katie is a marine spatial ecologist (post-doc) working at the University of Southampton. She is currently working in collaboration with the Marine Stewardship Council, developing a methodology to verify catch locations of commercially caught fish using stable isotopes. The aim is to use these techniques to aid fisheries traceability and improve sustainability and management. Katie recently finished her PhD at the University of Southampton, where she used stable isotope methodologies to study the movement and foraging locations of seabirds and fish populations around UK waters. Katie also did her undergraduate degree (Master of Marine Biology) at the University of Southampton.

Katie is very interested in policy and marine management, and spent 3 months on a placement at DEFRA during her PHD. She is also extremely passionate about scientific communication and outreach projects.

Proposer: Rob Goddard

Seconded: John Allen



Education and Outreach

Dr Judith Wolf



Judith is a Principal Scientist at the National Oceanography Centre, Liverpool. Born and educated in Newcastle on Tyne, she graduated in Maths and Physical Oceanography from the University of Bangor in 1975 and received her PhD from the University of Liverpool in 1984. She has worked in marine physics for over 40 years, mainly for the Natural Environment Research Council, and has been a member of the Challenger Society for most of her career. In 1991-1994 she took a career break to go long-distance sailing with her family (a daughter and twin sons), serendipitously getting a job as a Consultant Physical Oceanographer at the Institute of Marine Affairs, Trinidad and Tobago, where she worked for two and a half years. This involved training local staff and setting up a physical oceanography group, carrying out field-work, writing software for data analysis and models, as well as doing some teaching at the University of the West Indies. It was a great experience and her trainees are now running the biggest environmental consultancy in Trinidad.

Her research interests include the modelling of tides, surges, waves and their interactions on the UK continental shelf and beyond; coastal and estuarine processes, wave-current interaction, wave climate and coastal impacts of climate change. In the last 10 years she has been involved in work on tidal energy and coastal impacts of climate change. She was Head of Site for the National Oceanography Centre in Liverpool (2013-2017) and is a Visiting Professor at the School of Engineering at Liverpool University. She presently has projects in the Caribbean and China.

Proposer: Lucy Bricheno

Seconder: Katie Sieradzan



President Elect

Professor Rosalind Rickaby



Throughout her research career, Ros has aimed to bring life to geochemistry! Ros has pioneered an interdisciplinary blend of biology and chemistry to resolve questions of past climates, evolution, and the future of the phytoplankton. Ros' distinctive approach is to read geological history from signals of adaptation within genes of modern organisms, which play out in the evolving affinity and kinetics of the expressed enzymes, or isotopic signals of adaptation that leave a footprint in fossils and biomolecules. Ros has authored over 90 papers and co-authored a book "Evolution's Destiny: Co-evolving chemistry of the environment and life".

Ros is about to take up the role of Chair of Geology, Department of Earth Sciences, University of Oxford, having been Professor of Biogeochemistry since 2002, on the dark side (of blue!) as well as mum to two boys. She received her PhD with Harry Elderfield from Cambridge University in 1995 and studied at Harvard for her post-doc with Dan Schrag. In 2008 Ros received the European Geosciences Union's Outstanding Young Scientist award, in 2010 the American Geophysical Union's James B. Macelwane Award for significant contributions to the geophysical sciences by an outstanding young scientist and most recently, in 2016, the Lyell Award of the Geological Society of London. She currently holds a Wolfson Research Merit Award from the Royal Society.

Proposer: Rob Goddard

Seconder: Andrew Willmott



8. AOB

1. Next AGM: during the 2020 conference in OBAN
2. Questions to the Council?

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