

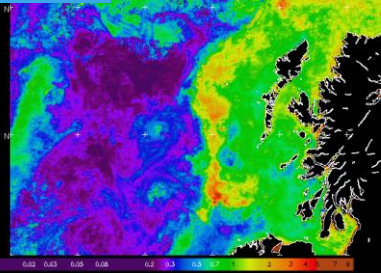
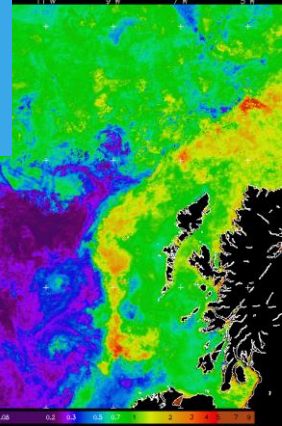
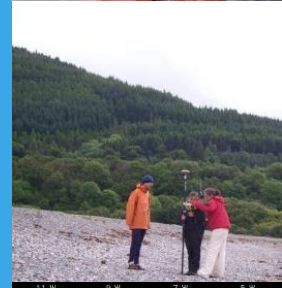


The Challenger Society for Marine Science



AGM 2016

**Thursday 8th September 2016,
Challenger Conference Liverpool**





Agenda

- 1. Apologies for absence**
- 2. Approval of minutes of AGM of September 16th, 2015**
- 3. Matters arising from minutes of AGM 2015**
- 4. President's Report**
- 5. Treasurer's report and accounts**
- 6. Appointment of auditors**
- 7. Election of new Council Members and Officers**
- 8. AOB**



Approval of minutes of previous AGM September 16th 2015

Contact Us

 **CHALLENGER SOCIETY
FOR MARINE SCIENCE**

The voice of the UK
marine science community

Home About Us **Meetings & Events** Early Career Network News Members and Membership Grants & Awards Special Interest Groups

Publications Education and Outreach SCOR

Minutes

Challenger Society 2016
Conference

- Presidents Photography Competition

Challenger Society 2014
Conference

- 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

Prospectus 2013

Annual General Meetings

Annual General Meetings



President's Reports

- Annual General Meeting 2015 - Sheffield
- Annual General Meeting 2014 - Plymouth
- Annual General Meeting 2013 - Leeds
- Annual General Meeting 2012 - UEA

Latest News

Ocean Wind Waves
SIG meeting at HR
Wallingford
(Oxfordshire)

Ocean Wind Waves SIG
meeting at HR
Wallingford
(Oxfordshire) - 19th -
20th October 2016.

This is the second
meeting of the Challenger
Society Special Interest
Group on Ocean Wind
Waves. The group aims
to bring together
scientists, engineers and
modellers from across the
UK, interested in
observing, modelling and
forecasting ocean surface
waves generated by
winds. For more
information see flyer or
contact Doug Cresswell
(D.Cresswell@hrwallingford.
or Lucy Bricheno
(luic@noc.ac.uk).

Copyright 2015
Ocean wind waves: Observing,
modelling & forecasting waves

http://www.challenger-society.org.uk/files/pag/files/AGM_reports/AGM%202015-final.pdf

Matters arising from minutes of AGM 2015

Proposer: Tim Jickells- Secunder – Grant Bigg



Council Members, Terms of Office & Responsibilities

Officers

Tim Jickells	2014-2016	President
Rachel Mills	2015-2016	President Elect
John Bacon	2014-2018	Honorary Secretary
Sinhue Torres-Valdés	2013-2017	Honorary Treasurer

Council Members

John Allen	2013-2016	Editor, Challenger Wave
Mattias Green	2014-2017	Membership, Student Travel Awards
Gideon Henderson	2015-2018	UK SCOR representative
Luisa Cristini	2015-2018	Early Career Scientist Network
Abigail McQuatters-Gollop	2012-2016	Communications, Web manager
Ruth Airs	2014-2017	Meetings, SIGs & Local Networking Events
Terry Sloane	2013-2016	Industry Liaison & Technology
Louisa Watts	2015-2017	Education & Outreach (Co-opted)

Ex-Officio & Co-Opted Members

Jennifer Jones	Executive Secretary
Angela Colling	Editor, Ocean Challenge
Grant Bigg	Chair, Editorial Board, Ocean Challenge
Matthew Palmer	Chair OC Challenger Conference 2016
Emma Cavan	Communications



Current Society Membership

(01/09/2016)

Total no of registered members	840
Active members (subscribing)	614
Post-Graduate Members	316
Full Members	332
Retired Members	52
Corporate Members	11
Conference Delegates (joined 2016)	112



Website Plans

Emma Cavan (e.cavan@noc.soton.ac.uk)

John Bacon (john.bacon@cefas.co.uk)

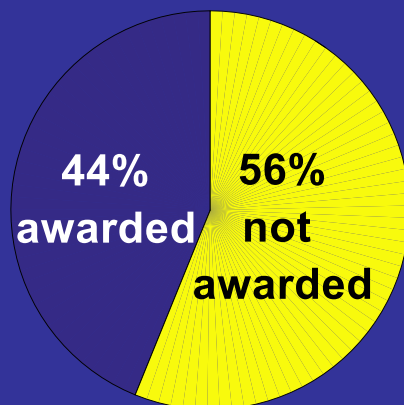
- *More regular updates*
- *Payment by debit/credit card online, migration to secure server (https).*
- *Contact with members, management and payment of subscriptions, records and statistics, members have control.*
- *Publications – search function development for Ocean Challenge - by Author, keyword, location, date*
- *Corporate Members pages*



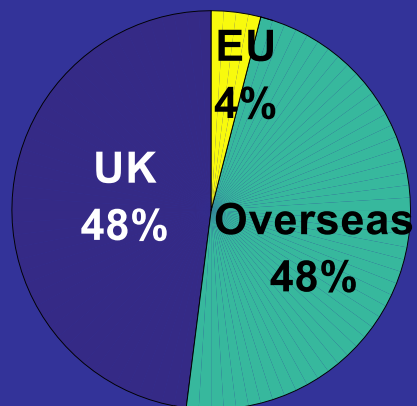
Membership and Student Travel Awards

Mattias Green

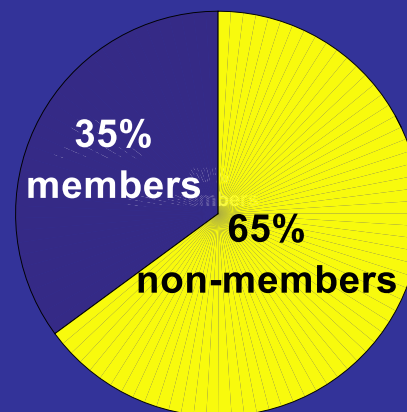
Success rates



Student Destinations



Supervisor membership



- Nov 2015: 5 out of 11
- Feb 2016: 3 out of 9
- May 2016: 9 out of 24
- Aug 2016: 8 out of 13

2014-2015 – 34 applications 13 awards

2015-2016 – 57 applications 25 awards

Budget of £10k pa – UK £250 International £500



Website & Social Networking Sites

Abigail McQuatters-Gollup & Emma Cavan

This year on **Twitter** @ChallengerSoc:

- 1,637 followers (1502 in 2015)
 - ALSO = 1019
 - AMSA (Oz) = 310
 - AGU Ocean Sci = 148
- Current potential reach: 373,037 people
- 56 % UK, 13 % US, rest EU
- Mostly engaging about the conference

This year on **Facebook**:

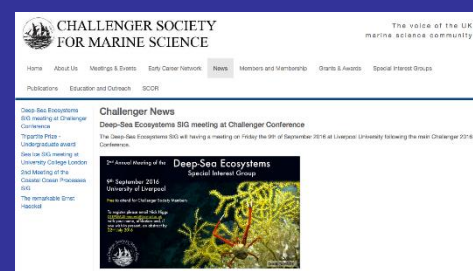
- 307 followers (235 in 2015)
 - ALSO = 2000 (discussion group)
 - AMSA (Oz) = 132
 - AGU = 131,190

Comms this year on the **Website**:

- Travel reports online – doubled previous number since Spring 2016
- Tagging process started for Ocean Challenge
- Kept News section updated (and colourful!), at least one item a month

Comms activities next year:

- Improve how often ALL pages updated...e.g. ECR only 2014 event and SIG meetings update
- Push social media output
- Start a blog/discussion page?





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!)

August 2016

Challenger Wave

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



NEWS

Congratulations to Professor Tim Jickells
Professor Tim Jickells, our society president, has been made a Fellow of the American Geophysical Union, being one of only three British scientists among the 60 honoured this year. This honour recognises scientific eminence in the Earth and space sciences and acknowledges Fellows for their remarkable contributions to their research fields, exceptional knowledge and visionary leadership. Only 0.1% of AGU membership receives this recognition in any given year.



The official announcement is in the link below:
<https://eos.org/agu-news/2016-class-of-agu-fellows-announced>

Winner of this year's tripartite award
We are delighted to announce that the winner of this year's tripartite prize awarded by the Challenger Society for Marine Science (CSMS), The Institute of Marine Engineering, Science and Technology (IMAREST) and the Society for Underwater Technology (SUT), for the best project by a BSc student in marine science,

engineering or technology will be awarded to Sam Black based at the Scottish Association of Marine Science (SAMS) and the University of the Highlands and Islands (UHI). Sam's project, entitled Origin of *Fucus Distichus* in Svalbad, was supervised by Dr Claire Gachon and involved field work in Svalbad, followed by laboratory genetic studies.



Sam will be presented with his prize at the Challenger Conference in Liverpool in September. You can find an article about Sam's project in our VIEWS section on page 4.

Agreement to support further development of the European Marine Observation and Data Network (EMODnet)
On the 8th July, the European Commissioner for Environment, Maritime Affairs and Fisheries, Karmenu Vella, visited the EMODnet Secretariat Office in Oostende, Belgium. He attended a formal signing ceremony with the Secretary General of the Department of Economy, Science and Innovation of the Flemish Government to

www.challenger-society.org

1



Meetings and Events

Ruth Airs: ruai@pml.ac.uk

New Special Interest Group: Marine Science Data Management

Contact Dr Matt Donnelly matdon@bodc.ac.uk

See website for full list of SIGS: www.challenger-society.org.uk

Meetings supported 2016:

<i>Meeting</i>	<i>Dates and Location</i>	<i>Organiser</i>
<i>Marine Biogeochemistry</i>	<i>6-8 Jan 2016; Oxford</i>	<i>Will Homoky</i>
<i>Young Coastal Scientists and Engineers Conference</i>	<i>22-23 Mar 2016; Swansea</i>	<i>Ali Zuhaira</i>
<i>Diversity in Marine Sciences</i>	<i>WEDS 7:30AM (breakfast provided)</i>	<i>Luisa Cristini</i>
<i>Deep Sea Ecosystems</i>	<i>FRIDAY</i>	<i>Nick Higgs</i>
<i>Ocean Modelling</i>	<i>FRIDAY</i>	<i>Helen Johnson</i>
<i>Marine Science Data Management</i>	<i>FRIDAY</i>	<i>Matt Donnelly</i>
<i>Sea Ice</i>	<i>19-20 Sep 2016; UCL</i>	<i>Jeff Ridley</i>



Stepping Stones Bursary

Ruth Airs: ruai@pml.ac.uk

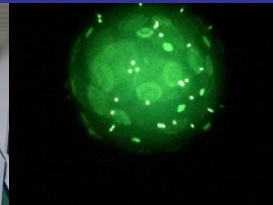
http://www.challenger-society.org.uk/Stepping_Stones

- *Supports career development of members of marine science community.*
- *£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.*
- *Four awards per year.*

Awardees to date 2016:

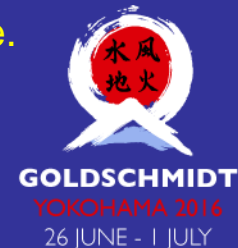
Dr Coleen Suckling

Collaborative visit and microplastics field work at Florida Gulf Coast University.



Dr Thomas Chalk

Oral presentation bridging between disciplines: 26th Goldschmidt Conference.

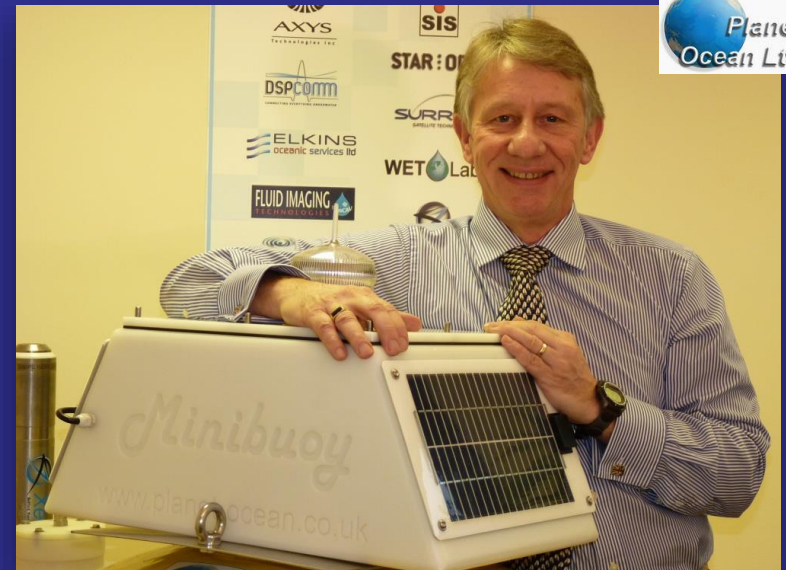




Industry Liaison & Technology

Terry Sloane

- My role is to be the link between the Society and industry, the people who primarily provide the instruments used in ocean research. In addition, I also sit on the IMarEST, Science & Technology Advisory Group and Operational Oceanography SIG. I am Chairman of the Association of Marine Scientific Industries (AMSI) and as such ensure that each are informed of the others activities and common interests.
- We have established links with the two major ocean exhibitions in the UK, Oceanology & Ocean Business. Formalised benefits and costs to corporate members and have seen an increase in membership as a result
- I am responsible for securing corporate sponsorship for our biennial conference.





Early Career Network

Luisa Cristini (NOC)

The Challenger Society's Early Career Scientists Network is open to everybody who feels to be in the early stages of their career in marine sciences.



Aims of the network :

1. to link with fellow Early Career Scientists and share expertise, news and opportunities
2. to link with other networks in the UK and internationally
3. to benefit from the Challenger Society framework and events to foster collaboration among groups and with senior researchers

Contact:

luisa.cristini@noc.ac.uk

Upcoming workshops for ECS organised jointly with UKPN and sponsored by Foreign & Commonwealth Office:
Fall 2016 @NOC, Spring 2017 @BAS ...stay tuned!



Education & Outreach

Louisa Watts

Association for Science in Education

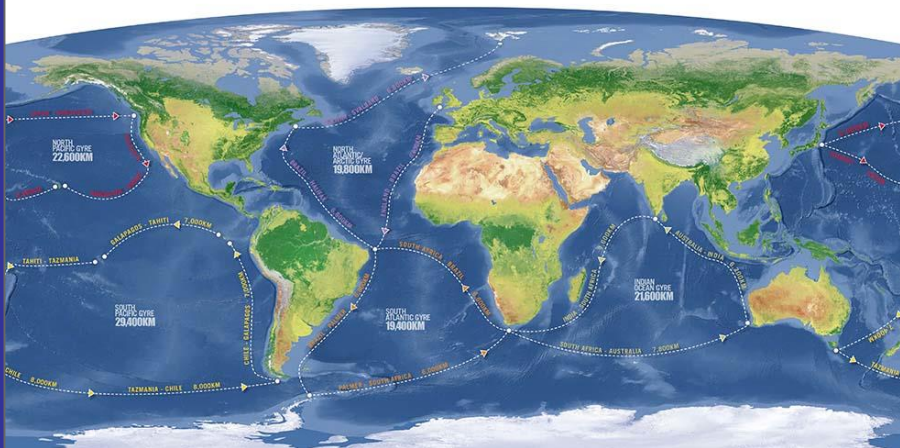
This national conference for school educators showed Challenger how we can best engage young people in Marine Science and Ocean Issues

THE CHALLENGER GLIDER MISSION: PROPOSED LEGS

OCEAN BASIN BATHYMETRY

The 16 Challenger gliders will each fly a 6,000-8,000 km leg following the ocean gyre circulation around the five major ocean basins.

- ▶ INDIAN OCEAN GYRE
- ▶ NORTH ATLANTIC / ARCTIC OCEAN GYRE
- ▶ SOUTH ATLANTIC GYRE
- ▶ NORTH PACIFIC GYRE
- ▶ SOUTH PACIFIC GYRE



CSMS endorsed the Challenger Glider Mission which aims to fly 16 gliders over 128,000 km inspired by the 1872-6 mission of HMS Challenger.

Future plans are to use the mission as a platform for inspiring next generation oceanographers



Education & Outreach

Louisa Watts

Ideas/plans for 2015/16 include:

Aim: *To raise awareness of careers in marine science that utilise good*



How: Reaching out to **schools and Further Education colleges** using existing CSMS and other Learned Soc. Links, and HEFCE funded networks

Activities*:

Engage schools and colleges at CSMS **conference** (2016) and other relevant **events** throughout the year; CSMS presence at science fairs etc

Organise **work experience days** & use existing open days e.g. at UK marine facilities: Enthusiasm from NOC,S Marine Facilities and physical oceanography -July 2015 we delivered successful “World of Work” day at NOC,S aimed at Yr 9 students



Website: Develop Education and Outreach pages...thoughts in progress.... Needs to be useful to educators...

***Please contact me with any ideas, events, enthusiasms:**

louisa.watts@btinternet.com

***"I found it extremely informative and interesting...it has given me ideas for what I may want to do in the future, Thankyou!"
Year 9 pupil***

World of Work day
(pilot),

July 2015 at NOC,S

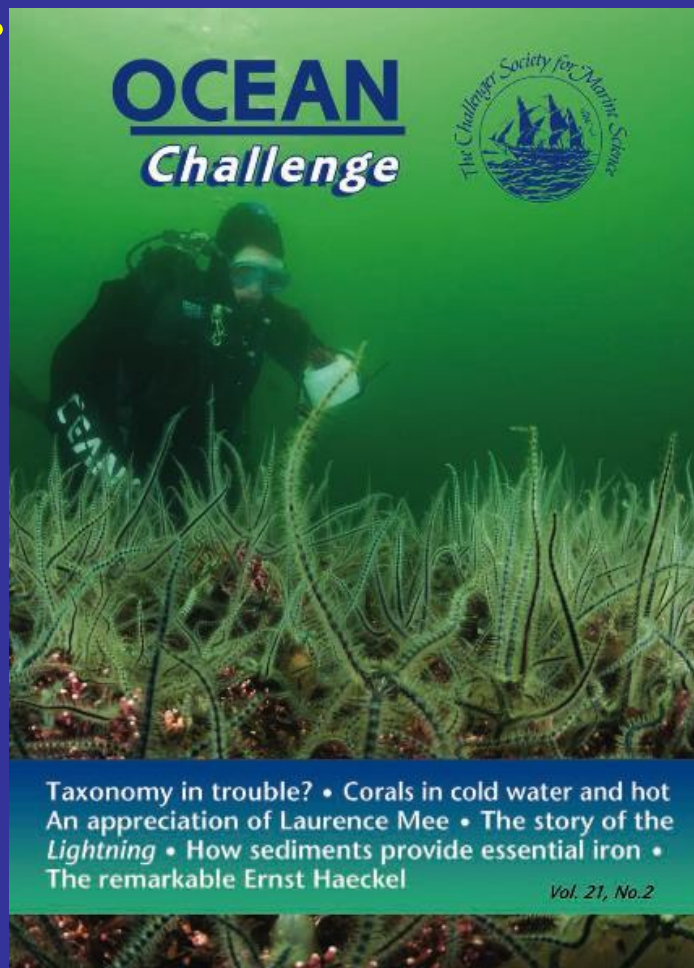




President's Report 2015–2016

Ocean Challenge

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



- Volume 21, No.2 out July 2016
 - Issues freely available on the website back to Volume 5
 - Content of issues being tagged to encourage use by pupils/students
 - Grateful thanks to outgoing Board members: Sue Greig, Claire Hughes, Dan Mayor
 - New Board members joining : Will Homoky, Louisa Watts
 - Material always welcome!
- Contact the Editor angelamcolling@gmail.com



President's Report 2015-2016

UK-SCOR



SCOR, the Scientific Committee for Oceanographic Research, is the leading international non-governmental organization for the promotion and coordination of international oceanographic activities.

UK SCOR Committee:

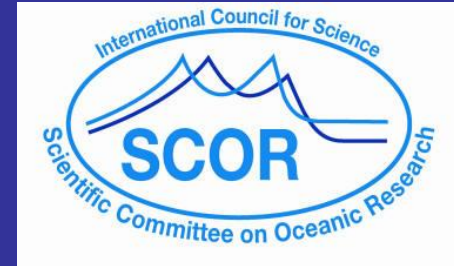
- Gideon Henderson, University of Oxford (UK Chair)
- Peter Burkhill, University of Plymouth (International President)
- Richard Geider, University of Essex
- Tim Jickells, University of East Anglia (Ex-officio, President of Challenger Society)
- Rachel Mills, University of Southampton
- Carol Robinson, University of East Anglia
- Alejandro Souza, NOC-Liverpool
- Peter Statham, University of Southampton
- Colin Summerhayes, Scott Polar Research Institute





President's Report 2015-2016

UK-SCOR



- National subscription to SCOR \approx £16k. 51% from Challenger, 49% from Royal Society
- Chair of UK SCOR Committee sits on Challenger Council. President of Challenger a member of UK SCOR Committee
- UK participation in working groups is very high: 6 chairs or co-chairs; 7 other Full Members; and 17 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). And UK President of SCOR Internationally – Peter Burkill
- SCOR Committee on Capacity Building offers US\$4,900 travel grants
- Further details about SCOR and UK involvement on on Challenger Website:
<http://www.challenger-society.org/SCOR>



President's Report 2015-2016

Disseminating knowledge of marine science.

Ocean Challenge



Angela Colling
Grant Bigg

John Allen



Challenger Wave

Marine Science Industry



Terry
Sloane



Matthew
Palmer (also)

Chair of Conference 2016



President's Report 2015-2016

Promoting Challenger Society Benefits

- Funding for SIG meetings is £500.
- Non-SIG science meetings are now eligible to apply for CSMS sponsorship up to £500
- Increase funding for local networking events to £300.
- Total annual budget £5,500



Ruth Airs

Scope and funding for travel awards.

- £250 for UK and £500 for international travel.
- Stepping Stones Bursary £1000
- Total annual budget £10,000



Mattias Green



Sinhue
Torres-Valdes



Enthusing and Inspiring young scientists

CSMS has increased its emphasis on developing young scientists by supporting a range of events and activities at schools, universities and the National Oceanography Centre



Louisa Watts



Rachel Mills



Luisa Cristini



Treasurer's Report: 2015 Accounts





2015 Accounts

- An “independent Financial Review” of the Society’s accounts for 2015 has been prepared by the Argents Accountants and are awaiting council and AGM approval.
- The Society’s total income for 2015 was **£33,944**, an increase on 2014 (£16,435) and a decrease on 2013 (£37,189).
- Total expenditure during 2015 was **£29,493**, a small decrease on 2014 (£33,659) **and** 2013 (£36,383).
- Consequently net income for 2015 was **£4,451**, compared to net expenditure for 2014 (£17,224) and net income for 2013 (£806).



2015 Accounts

- Dividends from the Charitable Organisations Investment Fund (COIF) resulted in an income of £1,130. Revaluation of the funds yielded an unrealised gain of £510, with the total investment worth £41,640 as of 31st December 2015.
- There was £66,854 held in bank accounts on 31st December.
- The total funds carried forward on 31st December were **£109,003**, from £104,042 on 1st January.



2015 Accounts: detail

Income

Membership subscriptions	7,661
Grants	3,000
Sponsorship Challenger W	1,185
Sponsorship Prospectus Meeting	
Donation of sponsorship monies from Biennial Challenger Conference	20,961
Interest from investments	1,130
Deposit account interest	7
Total Income	33,944

Expenditure

Administration & Insurance	4,641
Journals	3,644
Website development	1,672
Awards & Prizes	4,540
SIGs, YsNet & Events	1,716
Publicity	300
Professional subs.	8,681
Travel and subsistence	1,148
SCOR Activities	1,424
Plant and machinery	138
Accountancy	1164
Bank charges	425
Total Expenditure	29,493



Accounts 2012-2015 compared: Expenditure

	2015	2014	2013	2012
Administration	4,641	1975	1450	1680
Publicity	300	0	327	577
Ocean Challenge	3,644	3600	3029	5656
Awards	4,540	9041	4250	2820
Auditors/Accounts	1,164	1313	2400	2340
Council Travel	1,148	2732	2714	2010
SIGs and local networking events	1,716	2291	2053	1156
Prospectus meeting	NA	NA	9872	NA
Subscriptions (incl. SCOR)	8,681	7896	6578	4612
Equipment depreciation	138	184	245	326
Sundry	---	---	33	31
Bank Charges	425	---	421	434
Website development	1,672	3600	2347	---
Total Expenditure	29,493	33,659	36,383	21,642



Accounts 2012-2015 Compared: Income

	2015	2014	2013	2012
Membership subscriptions	7,661	7626	10656	15256
Grants	3000	5650	4000	4000
Sponsorship of CW	1,185	1350	500	0
Prospectus meeting	NA	231	1239	
Conference sponsorship	20,961	NA	18973	NA
Interest from investments	1,130	1571	1814	1513
Deposit account interest	7	7	7	7
Total Income	£33,944	£16,435	£37,189	£20,776
<i>Net income</i>	<i>£4,451</i>	<i>£-17,224</i>	<i>£806</i>	<i>£-866</i>



Questions on 2015 accounts ?



Appointment of Auditors

As accountants for 2016 accounts,
propose to retain:

Argents Chartered Accountants
15 Palace Street
NORWICH
Norfolk
NR3 1RT

Proposed : John Bacon Seconded: Tim Jickells



Reserves policy

Through consultation with the Charities Commission guidance on reserves policies for small charities, the following policy was agreed at the 97th meeting of 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.
- 4) 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 are £109k

Questions ?



Treasurer:

Sinhue Torres

sinhue@noc.ac.uk

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Administration	1480	1382	1448	1103	1146	1595	1409	1680	1450	1975	4641
Publicity	2040	903	671	283	0	0	0	577	327	0	300
Ocean Challenge	7940	3490	9337	7377	7898	4211	5887	5656	3029	3569	3644
Awards	1750	2050	1500	2962	1343	2741	2943	2820	4250	9041	4540
Accountants	2000	1760	1998	2070	2174	2399	2400	2340	2400	1323	1164
Council travel	2100	1900	3600	1365	2742	1586	2241	2010	2714	2732	1148
SIGs	1615	1090	995	1145	1132	59	531	1156	2053	2291	1716
Local networking	0	0	0	0	0	548	10787		9872	0	0
Subscriptions	450	660	220	290	105	109	2937	4612	6578	7896	8681
Equipment dep	690	520	390	290	218	163	436	326	245	184	138
Sundry	110	340	460	175	143	190	34	31	33	0	0
<u>Total Exp</u>	20175	14095	20619	17060	16901	13975	29984	21642	36383	33659	29493
Subscriptions	12850	9810	17730	16720	14740	14324	12362	15256	10656	7626	7661
Grants	5000	5000	5000	5000	5000	6000	4000	4000	4000	5650	3000
Sponsorship CW	300	0	0	600	700	0	500	0	500	1350	1185
Sponsorship conference	0	0	8890	0	5930	3003	10700	0	18973	0	20961
Interest from investments	1350	1500	1215	1413	1413	1457	1501	1513	1814	1571	1130
Deposit account interest	249	391	278	411	227	7	7	7	7	7	7
<u>Total Inc</u>	19749	16701	33113	24144	28010	24791	41980	20776	37189	16435	33944
Operating profit	(426)	2606	12494	7084	11109	10816	11996	(866)	806	(17224)	4451
Investment holding	35160	38707	39516	29356	31946	34047	32090	35072	39280	41130	41640
Total Funds carried	59563	65417	78843	75631	89331	102247	112286	114402	119416	104042	109003



Election of New Council Members

Many thanks to the
off council

Abi has been a
communi
prospect
and devis
The Cou
for these



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il to her



Dr Emma Cavan

Marine biogeochemist

- Msci NOCS (oyster histology)
- PhD NOCS (biological carbon pump)
 - Observationalist interested in how biology affects the drawdown of carbon through the mesopelagic zone
- 4 research cruises, favorite Southern Ocean (picture). First cruise and surrounded by penguins everyday. And obviously the science was awesome.
- Policy internship at Royal Society 2015 – very insightful
- Part of newly funded SCOR working group
- Involved in DiMS (this will catch on!) meetings, Diversity in Marine Science
- Very keen on communication in science through blogs and social media and excited about this opportunity!



Proposed : Tim Jickells Seconded: Grant Bigg



Handing over the Gavel....

President



President Elect

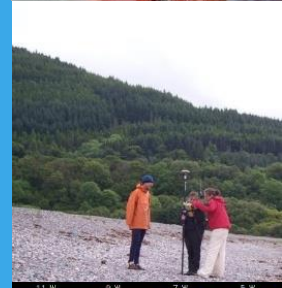
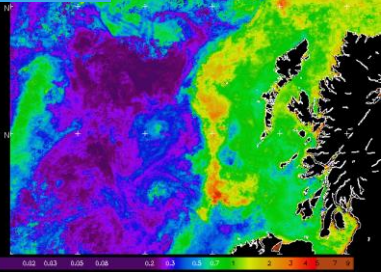




The Challenger Society for Marine Science

Any Other Business

Next meeting - AGM 2017
To be held at the AMBIO VIII meeting SAMS – Oban
September 6th -7th 2017





Questions from Floor:

1. Income from subscriptions is down this year – how do the council intend to counter this?

The council hopes that the new web-based delivery for membership records and management will allow us to keep a much better control on who is joining the Society and how they are paying their subscriptions. This has been difficult in recent years with out an ability to check centrally who had paid and who has not. It also allows us to introduce new payment methods (Paypal, BACS, whilst retaining the traditional cheque. The only method now withdrawn is payment by card due to the expense of retaining Barclays Business Market account which at £600 pa negated any income from the few card payments received. John Bacon
It was noted also that the SCOR subscription has reached the full amount. Sinhue Torres Valdes

2. The standard of reading and print quality from the online version of Ocean Challenge.

The online version is rendered at a high resolution and should be of ample quality to read and view images and print online, via a suitably high resolution laser or inkjet printer. It is possible however that video standards used to view online for this may affect quality. If members have a continued problem then initially they should contact the editor so that a print copy can be arranged to be sent. – John Bacon