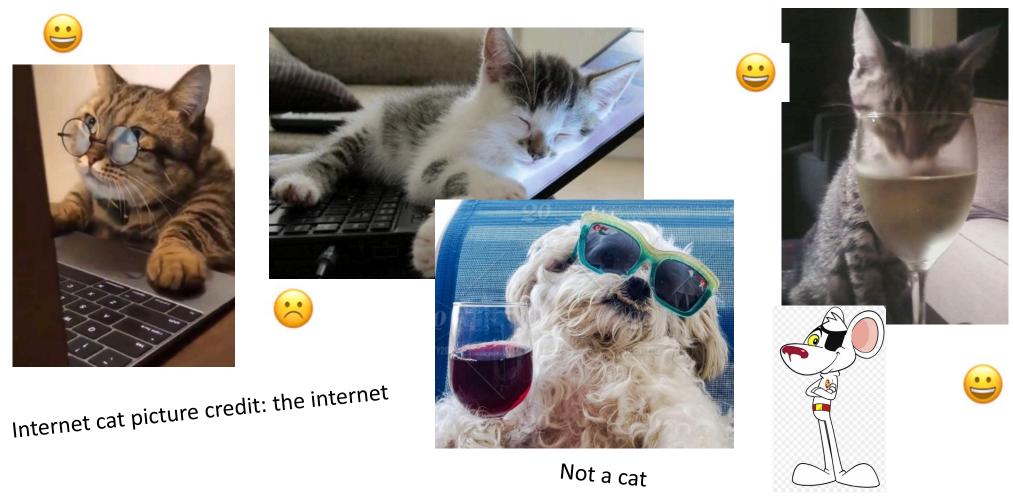


Welcome to the DSBS Annual General Meeting!





@DSBSoc





www.j.mp/dsbs_slack



Welcome to the Annual General Meeting (AGM)

Chair: Adrian Glover, President of the Deep-Sea Biology Society

Minutes: Erin E. Easton, Secretary of the Deep-Sea Biology Society

- Remarks and overview of activities for 2019-2020
- 2. Report on Finances and approval of official financial report by membership
- 3. Report on Student activities
- 4. Report on Early-Career activities
- 5. Report on Awards and Mentoring
- 6. Report on Communications
- 7. Report on Membership
- 8. Report on Conferences
- 9. Report on Diversity
- 10. Presentation of Awards
- 11. Summary of expansion of Society-provided services
- 12. Presentation of Trustee Nominations
- 13. Presentation of 17DSBS Bids
- 14. Discussion and Q&A for Members



Governance of the Society

In July 2017, the Society became a legal non-profit organisation that can:

- employ people and own property
- apply for grants
- receive tax-exempt donations

















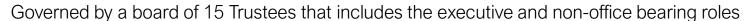












- 11 executive (office-bearing)
 - Adrian Glover President, Paris Stefanoudis Public Affairs & Comms, Rachel Jeffreys Awards, Daniela Zeppilli-Conferences, Chris Yesson - Treasurer, Erin E. Easton - Secretary, Santiago Herrera – Membership and Data Protection, Ily Iglesia- Student representative, Andrea Quattrini – Early-career, Julia Sigwart – Development, Raissa Hogan - Diversity
- 4 non-office bearing
 - Chong Chen, Malcolm Clark, Steve Haddock, Leigh Marsh
- Trustees meet every 2 months

Annual General Meetings (AGMs) of the Society membership held once per year:

- Elections of new officers (every 3 years) / constitutional votes
- Treasurer's report and vote on approval of the Financial Report
- Award presentations and membership discussion



Finances

Treasurer: Chris Yesson



Accounts for 2020

- Our 2020 formal charity accounts require approval
- Funds boosted by
 - New memberships related to eDSBS
 - Sponsorship for eDSBS
 - Sponsorship for postponed CBE (held for 2023)
- Expenditure notes
 - Main expense eDSBS
 - Awards in 2020 curtailed by COVID

 Net of

		Unrestricted funds	Restricted funds	Total funds	Year ended 31 December 2019
		to the nearest £	to the nearest £	to the nearest £	to the nearest £
	A1 Receipts				
	Grants	-	14,927	14,927	-
	Membership	16,990		16,990	16,514
	Product sales	-		-	5,602
ted to	Events	-	-	-	76,502
	Symposium	-	-	-	24,431
	Donations	1,750	-	1,750	-
	Sub total	18,740	14,927	33,667	123,049
ned	A3 Payments				
	Awards	1,100	-	1,100	25,341
	Publications		-	-	500
	General Administrative	1,463	-	1,463	1,484
	Promotional costs	1,000	-	1,000	-
	Events	299	3,863	4,162	55,857
	Bank charges	632	-	632	3,123
	Sub total	4,494	3,863	8,357	86,305
ed by	Total payments	4,494	3,863	8,357	86,305
Net of receipts/(payments)		14,246	11,064	25,310	36,744
A5 Transfers between funds		- 137	137	_	-
A6 Cash funds last year end		70,506	-	70,506	33,762
Cash funds this year end		84.615	11,201	95.816	70,506



Finances 2021 year to date

- A more typical year for expenditure A full set of award payments for DSBS 16
- Significant expenditure on DSBS 16
- New spending on Diversity events
- New sponsorship income for DSBS 16 from Lousbery Foundation, Gordon and Betty Moore Foundation, International Seabed Authority
- Membership income boost from DSBS 16

Income	YTD	Est
Memberships	£15,440	£18,000
Sponsorships	£21,000	£21,000
T-Shirt sales	£400	£600
Total	£36,840	£39,600

Expenditure	YTD	Est
Awards	£14,178	£15,000
Deep-Sea Life	£500	£1,000
Events	£24,000	£26,000
Administration	£3,240	£3,940
Total	£41,918	£45,940





Vote on the approval of the financial account for the calendar year 2019

Those in favour of the motion to approve the accounts vote 'aye' on zoom poll now

Those not in favour of the motion to approve the accounts vote 'nay' on zoom poll now



Students

Student Officer: Ily Iglesias



Student summary (2021)

Communication

Continued communication with student constituents

Events

- Co-hosted student and Early Career mixer as part of 16th DSBS
- Hosted an online event as part of the upcoming 16 DSBS symposia entitled "Creating impactful graphics and figures to showcase your science." During this event we covered hands-on training in how to create meaningful graphics for communication and publication.
- Hosted two panel events during eDSBS, where more established researchers provided advice and lessons learned about life beyond graduate school in the world of deep-sea science.
 (Panelists hailed from France, South Africa, Mexico, New Zealand, UK and Hawaii)

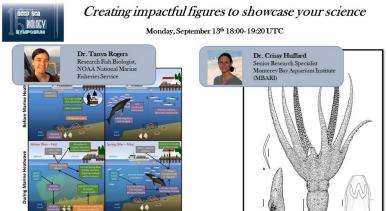


Figure by Tanya Rogers, Dudley et al 2021







Student summary (2021)



Meet the next generation of deep-sea researchers



Profiling student research

- I worked collaboratively to highlight the research and personal journeys of individual students and early career scientists through the creation of profiles for the society website. We have already highlighted some important research and unique stories and I hope they continue!
- Have coordinated student questions and responses and expanded the profiles of students and early career researchers on our website (thanks to Paris for posting to <u>website</u> and twitter)

Mentoring

 Assisted Andrea and Rachel in the maintenance of the mentoring network to connect early career and student members with more established scientists in the deep-sea field

To next student officer:

- -continue to support diversity efforts within the society
- -perhaps develop a student seminar series
- -look into hosting seminars in other languages.



Early-Career

Early-Career Officer Andrea Quattrini



Early-career (EC) update

Webinar Series Continuation

- How to be an effective Chief Scientist on a Research Cruise
 - Thanks to Louise Allcock, Amanda Demopoulos, Santiago Herrera & Tracey Sutton
- Defining your Leadership Philosophy with Dr. Kelly Waltman
 - Recording and worksheet are posted to slack

Mentoring program

Managed 10 Mentoring groups, consisting of ~75 mentees and mentors

Online ECR/Student Mixer

- Co-hosted the mixer with Ily Iglesias
- Received feedback from our mentors of how to improve and new initiatives in the future!



Awards

Awards Officer: Rachel Jeffreys



Awards Update (2020 - 2021)

Deep-Sea Biology Symposium 2021: Ifremer, Brest, France



16th DSBS

Deep Sea Biology Symposium



Venue Information Program Presentation Guidelines Registration Conference Information Sponsors & Partners



Welcome to the 16th edition of the Deep Sea Biology Symposium!

We are very excited about the opportunity to host the 16th Deep-Sea Biology Symposium in Brest, France between 12 and 17 of September 2021!

Brest's history has always been linked to the sea and the oceans. Nowadays, Brest has a leading position in European deep-sea science, technology and industry.

Ifremer has a long experience in deep-sea research and technology with a dedicated deep-sea department (Department of Physical Resources and Deep-Sea Ecosystems-REM), mainly investigating the deep-sea seafloor and the sub-seafloor, biodiversity and the dynamics of deep-sea ecosystems, and the interaction between the biosphere and the geosphere on scales ranging from bacteria to the glacial cycles.



In 1988, Ifremer hosted the 5th Deep-Sea Biology Symposium in Brest. After 32 years, there is still an urgent need for rapid technological developments to access, investigate, understand and protect this unique and remote environment. Furthermore, in the last few years anthropogenic pressures in the deep sea have risen exponentially and we are all aware that the deep sea is a treasure of biodiversity, resources and the last frontier on Earth for biomimicry.

Conference Participation

Online: 161

In Person: 10

Childcare/additional costs



Dive Deeper



Dr Diana Salcedo from Institute of Biology UNAM Mexico will characterise the functional role of fungi in the marine carbon cycle and food webs of hydrothermal vents using stable isotope analyses. The SIA will be carried out at SIRFER, University of Utah.



Dr Angelee Anasawmy from Institut de Recherche pour le Développement, France will characterise trace mineral concentrations in micronekton from the southwest Indian Ocean. Trace metal analyses will be carried out at LIENESS in France.

Congratulations Diana and Angelee!



Deep-Sea Biology Society Cruise Bursary



Kelsey Barnhill, University of Edinburgh RV Saramiento de Gamboa, iMiribilis_2 Cruise Host and Chief Scientist: Covadonga Orejas, iAtlantic project Capacity building: sharing cruise updates and knowledge, learning opportunities with fellow ECRs in Southern Atlantic Basin who are unable to attend cruise.



Nicole Pittoors, LeHigh University RV Roger Revelle, RR2102 Host Scientist and Chief Scientist: Jill McDermot Cryptic biodiversity in hydrothermal vents in EPR using autonomous reef monitoring systems.



Paper of the Year Award for 2020...

Davis et al 2020

Report

Current Biology

Ultra-black Camouflage in Deep-Sea Fishes

Highlights

- Reflected bioluminescence can reveal deep-sea animals to predators or prey
- At least 16 species of deep-sea fishes have ultra-black skin (<0.5% reflectance)
- Fish achieve low reflectance using a continuous layer of melanosomes in the skin
- The size and shape of these melanosomes are optimal for reducing reflectance

B 1.00 No surface reflection Simulated values 0.05 0.00 2.5 0.00 Melanosome Layer Thickness (µm)

Authors

Alexander L. Davis, Kate N. Thomas, Freya E. Goetz, Bruce H. Robison, Sönke Johnsen, Karen J. Osborn

Correspondence

alexander96davis@gmail.com

In Brief

Davis et al. investigate the distribution and production of ultra-black camouflage in deep-sea fishes. These fishes have a continuous layer of melanosomes in the dermis that are optimized in size and shape to allow them to reflect <0.5% of light. Sighting distance models suggest low reflectance reduces predator sighting distance up to 6-fold.

Congratulations to Alexander and his colleagues!



Triennial PhD Thesis Paper Award for 2018-2021

ORIGINAL RESEARCH article

Front. Mar. Sci., 26 November 2019 | https://doi.org/10.3389/fmars.2019.00715



Fine Scale Assemblage Structure of Benthic Invertebrate Megafauna on the North Pacific Seamount Mokumanamana



¹Department of Earth, Ocean and Atmospheric Science, Florida State University, Tallahassee, FL, United States ²Department of Geography, Texas A&M University, College Station, TX, United States

Congratulations to Nicole Morgan and colleagues!



Landmark paper news...



Membership



Membership Update (2018 to 2021)

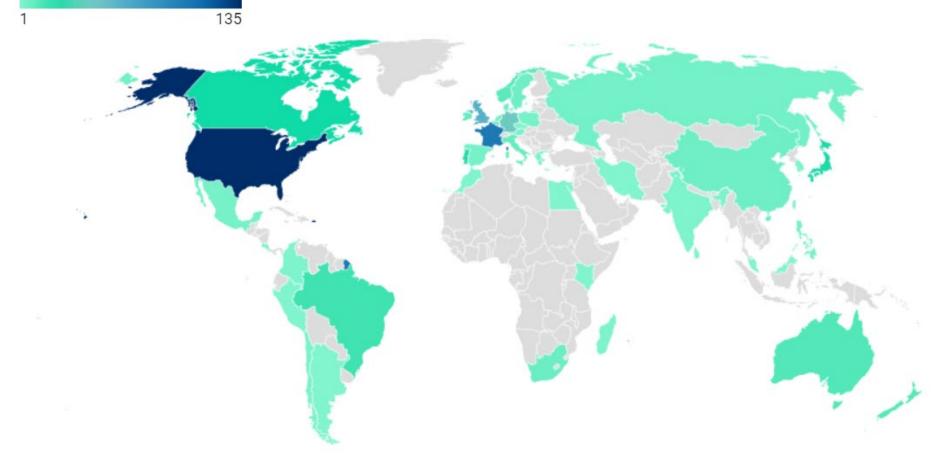
- 59% growth between 2018 and 2021
- 650 active members (up from 410)
- 61% are women (up from 57%)
- 40% are students (up from 31%)
- 8% from developing nations (up from 3%)
- 48 countries represented (up from 36)
 - 18 developing countries (up from 10)
- New Credit Card payment system independent of PayPal



Conferences



580 participants from 46 countries



Argentina, Australia, Austria, Belgium, Brasil, Canada, Chile, China, Colombia, Costa Rica, Czech Republic, Denmark, Egypt, France, Germany, Greece, Hong Kong, India, Iran, Ireland, Italy, Japan, Kenya, Korea, Republic Of Madagascar, Malaysia, Mexico, Morocco, Netherlands, New Zealand, Norway, Peru, Philippines, Poland, Portugal, Russian Federation, Seychelles, Singapore, South Africa, Spain, Sri Lanka, Sweden, Taiwan, UK, United States.



8 keynote talks, 214 contributed talks, 175 posters

26 sessions from fundamental scientific questions to specific topics on conservation, access to deep sea and deep-sea biomimicry

Two student events including a workshop

Three round tables

- Decolonizing deep-sea science On Monday 13th
- How deep sea environments could be a mine of bioinspiration to foster innovation? On Thursday 16th
- United Nations: Marine Biodiversity of Areas Beyond National Jurisdiction
 On Friday 17th

A unique effort of **89 grants** was performed by 16DSBS sponsors in order to make this event accessible to be present both online or onsite to developing countries and scientists with financial needs.



The Hybrid experience - Lesson N 1 Hybrid is the future

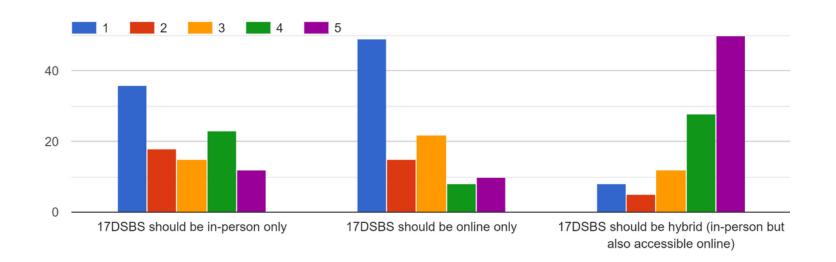
Whatever is the reason (pandemic, health, family, economical, or reduction of carbon footprint), hybrid opens the science to everybody from everywhere in the world.

Human interactions are also important at all levels, especially for students/ECR.

The mixing of online and onsite participants this week is quite successful, very positive feedbacks from online and onsite participants (even if some tech problems on Monday)

Which format would you prefer for the 17th Deep-Sea Biology Symposium? Bank on a scale from

Which format would you prefer for the 17th Deep-Sea Biology Symposium? Rank on a scale from 1-5 the following statements (1= strongly disagree,...r agree nor disagree, 4= agree, 5= strongly agree).





The Hybrid experience - Lesson N 2 Doing a hybrid symposium is more that the double of work compared to purely online / onsite conference

24 personnes working (for free) for the LOC, 2 administrative assistants (1 year, full time, salary covered by Ifremer) dedicated to the DSBS, amazing support of the Society.

Several persons of the LOC and of the Society dedicated to online events and community and for the mixing online/onsite participants

- 16DSBS Slack channels (one for logistical questions, one for science discussions, one for chairs, one for mediators of social events) + social
- Online events (online lunches with keynotes, online posters 120 participants to online poster session, virtual social events, online students/ECR events, online gala dinner with 4 mediators from the deep-sea community)
- 1 person for each room dedicated to chat online and online question + 1 person for each room as onsite backup chair if chair online
- Practical part for student workshop are complicated to organize (very few places able to do it directly usually double of work (one exercise online, one onsite)



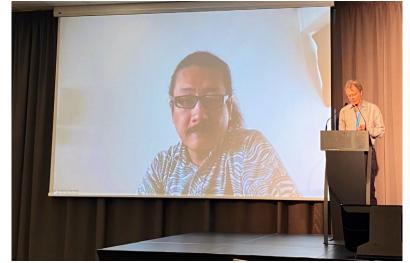
16th Deep-Sea Biology Symposium

The Hybrid experience - Lesson N 2





Online lunches with keynotes





Online participants and onsite LOC dedicated to online chat



The Hybrid experience - Lesson N 3 Hybrid symposia are very expensive and require professional suports

Together with usual renting (rooms, personnels of the conference center, etc...) you have to add a professional agency specialised in hybrid events.

The normal informatic service of institutes or classical conference center are not able to perform a hybrid conference with the size of the DSBS.

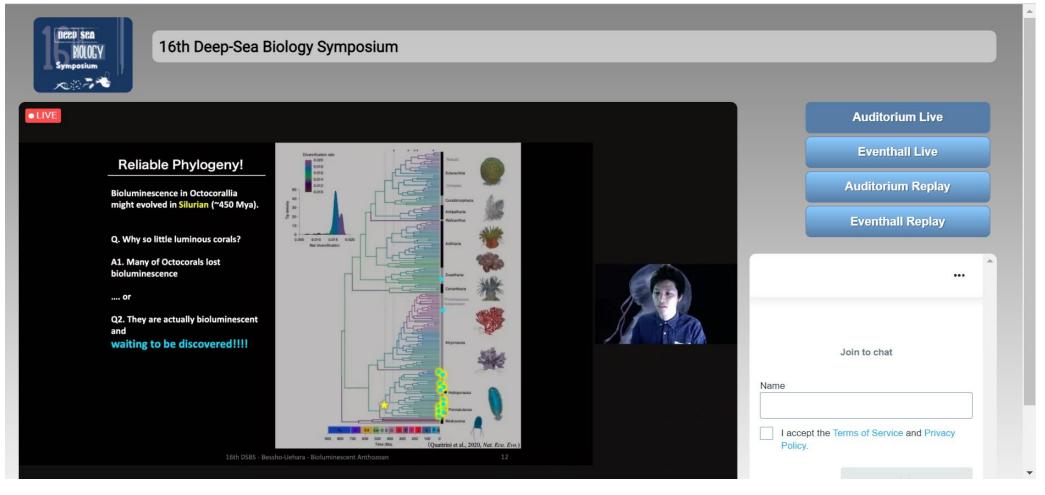
For each room: 2 cameramen, 1 audio tech, 2 persons in the control room (one dedicated to the room, 1 for the online part), from 7AM to 7PM every day...

A dedicated site web for live and replay sessions (remember everything has a cost: the live, the replay, how long you will keep it, the storage, etc...)

In a pandemic context you have to include other expenses (insurances, extra cleaning, renting of bigger rooms in case of social distancing, extra personnel for sanitary pass controls, etc..)



16th Deep-Sea Biology Symposium The Hybrid experience - Lesson N 3



Siteweb dedicated to the symposium https://16dsbs.attwm.fr (live, reply, chat) Zoom link for presenters



16th Deep-Sea Biology Symposium *The Hybrid experience - Lesson N 3*



Control rooms, technicians and cameramen



The Hybrid experience – Take home messages

Define in advance the size of your symposium (N of orals and posters, N of sessions) in function of your and the conference centre capacities

Find an equilibrium between the requests of the online and onsite participants

Be open to criticisms, listening to participants, be patient and explaining the challenges

Try to correct in time "bad habits" (e.g. upload your online/onsite presentation just few minutes before your session), with hybrid is too complicate to manage

The online participation of an hybrid event is expensive (cannot be compared to exclusively online conferences)

Find sponsors for keeping low inscription fees and for supporting developing countries or scientists with financial needs

Don't forget students and propose training and social hybrid events

Be flexible (this the life after pandemic) and have in mind alternative plans (moving to a completely online conference in case of lockdown in your country)

Be ready to a stressful period (before and during the symposium)



16th Deep-Sea Biology Symposium The Hybrid experience – Take home messages

Enjoy the happiness to be back together...virtually or physically!





Session to honour retirement for Prof Craig Smith (14th Septembre)





Diversity



Diversity update

Diversity Planning

- Several discussions with Board of Trustees about Social Justice
- Checked options for Social Justice educators and DEIA trainings to work with DSBS
- Drafted the DEIA Plan of Action (it will be available soon to the membership to give us feedback)

Diversity Spaces

Slack #diversity channel, email, anonymous form

Diversity Online Events

- Workshop: "Antiracism and Deep-Sea Science from a BIPOC perspective" with Lisa Betty
- Roundtable: "Decolonizing Deep-Sea Science"
 - Thanks to Dr Adela Roa-Verón, Dr Debany Batista, Dr. Siddhi Joshi, and Dr. Norissa Williams

Diversity meetings

- 16DSBS Town Hall meetings organised a moderator (Dr Norissa Williams) to the 2 meetings to discuss symposiums formats, accountability and restorative measures
 - Thanks to all the attendees, and all the researchers that gave us feedback and called us out to be accountable.

Diversity Funding

- Expansion of our conference travel fund (Thanks to the effort of the DSBS President Adrian Glover)
- Creation of a fund to support virtual attendance at 16DSBS



Diversity next steps

Diversity DEIA Plan of Action

- With the membership feedback and a Social Justice educator conclude the first version of the Plan of Action
- Membership profile
- Continue to increase membership DEIA (Thanks to our membership officer Santiago Herrera we have started this process)

Diversity Awards & Fundings

- Awards criteria based on DEIA ethics
- Focus on applying for funding specific for DEIA work, Awards and Collaborations

Diversity Communication

- Increase transparency
- Continue to embrace feedbacks, suggestions, ideas

Diversity Committee

• Set up a diversity committee to deeper the DEIA work and expand the possibilities of inclusion, equity



Communications

Officer: Paris Stefanoudis



Communications

Twitter (@DSBSoc)

2018 vs. 2021

~2,100 vs. ~6,340

Public Slack Team:

Open to everyone

>800 members

>10 channels

Use http://j.mp/dsbs_slack to join, and if you are already connected you can visit it via https://dsbsoc.slack.com)

Deep-Sea Life

7 issues co-produced with DOSI

>100 blog posts on the Society website



Communications

Website (dsbsoc.org)

- DSL posts
- AGM minutes
- Student Profiles
- Past awardees and reports
- Past DSBS meetings Books of Abstracts
- Deep-Sea Resources
- eDSBS
- History of the Society and past Symposia
-Mentoring Section?

Any other ideas? Share at communications@dsbsoc.org



Expansion of Society-provided services



New activities and works in progress

Development of a low-cost online conference for 300+ delegates

This cannot be completely free in the future, but should remain low cost

Developing the new Code of Conduct and Diversity Officer roles

Work in progress is a Diversity Committee and actions

Development of mentoring network

- Pilot program in 2018
- Initiation of program during Summer and Fall of 2019

Development of new awards

- Cruise-of-opportunity bursary (to open soon)
- Award to support the new Diversity Committee (yet to be formalized)_

Supporting, and now running Symposia

- ISDSC7 was our first endeavor successful, and generated revenue to give back to membership
- eDSBS
- Supporting 16DSBS changes, including online access to everything!

Tech things: New email domains and comms systems using dsbsoc.org



What the Society needs from the membership

Patience – Remember the Trustees are volunteers

Constructive comments and suggestions for expanding and improving Society-provided services

Established researchers willing to serve as mentors

Support by maintaining an active member status. Remember membership fees are the one steady income source to support Society-provided services.

Volunteer to help with any of the activities!

If you feel strongly about any of the things the Society does, this is your chance to act on them.

Just contact the relevant society officer or email secretary@dsbsoc.org





Nominations for new Trustees



Candidates

President: Michelle Taylor Secretary: Alexis Weinnig

Communications Officer: Andrea Quattrini

Membership and Data Protection Officer: Erin Easton

Diversity Officer: Alycia Jane Smith

Awards Officer: Julia Sigwart

Treasurer: no nominees

Early Career Officer: Pierre Methou, Franck Lejzerowicz

Student Officer: Katie Bigham, Matthew Woodstock, Brian Kennedy.

Development Officer: no nominees

Non-Office Bearing DSBS Committee Members (3

open positions): Bhavani Narayanaswamy, Sheena Talma, Sofia Graça

Aranha Carvalho Ramos, Craig McClain.

FOLLOW THE LINK IN THE EMAIL TO VOTE NOW!!!! Polls close tomorrow at 1600 France time.







Candidates for 17DSBS in 2024!



Discussion and Q&A



Potential discussion topics

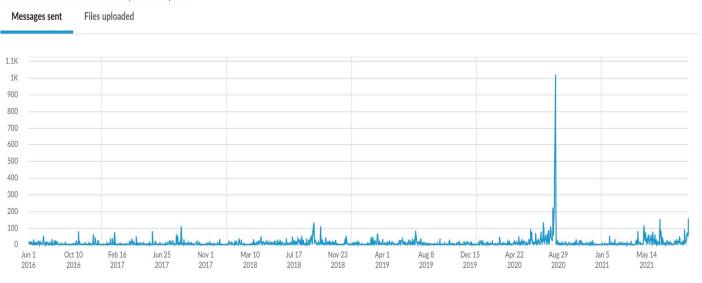
- Symposium planning and format including online participation
- Development of the Society
- Deep-Sea Biology Journal (PeerJx)
- Other questions and ideas from the Members



Final words

Messages and files

Learn how information is shared in your workspace.



Trustees Slack Team 2016-2021

18,934 messages sent

2,209 from Erin!

Messages from members

All time

Messages from members: 18,934



Final words



