



INTRODUCTION

Australia is a marine nation with over 87% of the population living within 50 km of the coast, and our oceans play an important role ecologically, socially and economically. Our marine environment is critically important for the cultural practices of Indigenous communities and as the world's third largest marine jurisdiction, is home to many marine species that occur nowhere else in the world.

However, demands and pressures on coasts and oceans are expected with increasing coastal populations, food security needs and emerging industries, such as renewable energy and offshore food production systems. Managing these multiple uses in a crowded ocean, often with conflicting objectives, to ensure sustainable ecosystems, industries and social and economic benefits for communities is a major challenge for Australia and globally.

The Centre for Marine Socioecology (CMS), is a collaboration between the University of Tasmania (UTAS) and the Commonwealth Scientific and Industrial Research Organisation (CSIRO), with support from the Australian Antarctic Division (AAD). It was established in 2014 to provide, develop and integrate the interdisciplinary teaching and research capacity required to underpin sustainable management of Australia's coastal zone and ocean in a rapidly changing world. It brings together an extraordinary diversity of disciplinary expertise, and considers multiple knowledge systems, in active collaborations, to directly address both the theoretical and applied aspects of marine socioecological systems.

Some noteworthy CMS activities this year include; the CMS Showcase 2024 - which brought together over 160 people to build and foster collaborations for sustainable ocean management; CMS co-sponsorships of various community events, including Women in Seafood Australasia (WISA), Australian Marine Sciences Association (AMSA), and the Beaker Street Festival, and another successful CMS Seminar Series with more than one seminar delivered each month, which connected researchers and students across our institutions and beyond.

CMS members and students have also been recognised for their hard work and achievements including CMS Director Professor Gretta Pecl who was recognised in the King's Birthday 2024 Honours List and was appointed as a Member of the Order of Australia (AM), and Dean Greeno who won the People's Choice Award at the 2024 Telstra National Aboriginal & Torres Strait Islander Art Awards.

We are extremely pleased to see that CMS has continued to grow domestic and international recognition in research excellence, demonstrated impact in challenging domains and innovative ways of communicating complex matters, and training the next generation of interdisciplinary research. We look forward to its continued success into the future.

Professor Anthony Koutoulis

Deputy Vice-Chancellor (Research) University of Tasmania

Dr Dan Metcalfe

Director, CSIRO Environment

We acknowledge and pay respect to the traditional owners and custodians of sea country all around Australia, in particular *lutruwita* (Tasmania), and recognise their collective wisdom and knowledge of our oceans and coasts.



WORDS FROM CMS DIRECTOR AND DEPUTY DIRECTOR

This report provides an outline of the research, knowledge sharing and other activities undertaken by the Centre for Marine Socioecology in 2024. Our tenth year has been a big one and we are proud of 2024 as another full year of activity. From collaborative research that led to nearly 100 papers, to sharing our experiences via invited presentations, conference sessions, and engagement with the public and our stakeholders. The breadth and diversity of CMS activities and the level of achievement described in this annual report underlines that the Centre remains a strong and vibrant nexus for high quality interdisciplinary and transdisciplinary research and training.

Now a decade in operation, CMS continues to engage in diverse and impactful activities. As CMS matures into double digits, it is taking on new larger scale projects such as Sea Change Australia, which aims to co-develop options to mitigate and adapt to a changing climate for the seafood production sector in Australia. Whether large scale projects or small, however, we continue to be proud of the Centre's outputs and outcomes.

We wholeheartedly thank all of those who have actively contributed to the Centre's activities. Thank

you to our students, researchers, collaborators, stakeholders, and others interested in what we do and what solutions may exist for the challenges facing coastal and ocean systems around Australia and the world. We value your interest and commitment. The Centre's ongoing success, its strong and growing national and international reputation, and its impact at local through to global scales, would not be possible without the generosity and enthusiasm of the entire CMS community.

As always, we look forward to continuing this work with all of those with an interest in the interconnectedness of human and natural systems in a marine and coastal context (i.e. marine socioecology!).

Professor Gretta Pecl (IMAS)

Crettakel

Director

Dr Beth Fulton (CSIRO)

Deputy Director











BACKGROUND

The Centre for Marine Socioecology brings together disciplinary expertise in physics, law, economics, biology, sociology, psychology, human health, art, media, philosophy and governance from the following University of Tasmania colleges, schools and institutes: the Institute for Marine and Antarctic Studies (IMAS), the College of Arts, Law and Education, the College of Health and Medicine, the Tasmanian School of Business and Economics, the College of Sciences and Engineering; and from the Commonwealth Scientific and Industrial Research Organisation (CSIRO) and the Australian Antarctic Division (AAD). We are also fortunate to have valuable participation from other leading Australian and International institutes. CMS embraces the extensive knowledge of the traditional owners of Australia, working collaboratively with Indigenous scientists, Elders and knowledge holders to collectively enhance our understanding of our oceans and coasts.

VISION A WORLD-LEADING CENTRE SUSTAINABLE MANAGEMENT OF

MISSION TO PROVIDE EXCELLENCE IN RESEARCH AND RESEARCH TRAINING THAT UNDERPINS THE SUSTAINABLE DEVELOPMENT OF THE MARINE DOMAIN FOR ALL USERS AND **BUILDS THE NECESSARY CAPACITY** TO PROVIDE SKILLS AND SOLUTIONS FOR INDUSTRY, GOVERNMENT AND THE COMMUNITY

CMS CORE TEAM



Director Prof Gretta Pecl



Deputy Director Dr Beth Fulton



Knowledge Broker Dr Rachel Kelly



Executive Support Officer Dr Hannah Fogarty

RESEARCH THEMES AND THEME LEADS

Our work is actively working towards solutions across five key research themes

CHALLENGES



Coastal & Marine Governance



Dr Maree Fudge



Dr Liam Fullbrook



Sustainable Futures & Planetary Health



Adjunct Prof Ingrid van Putten



Dr Richard Cottrell



Environmental Change & Adaptation



Dr Valeriya Komyakova



Dr Rowan Trebilco

RESEARCH APPROACH



Knowledge Production



Dr Rachel Kelly



Dr Rebecca Shellock



Science Engagement & Impact



Dr Beth Strain



Dr Connie Cirkony

STEERING COMMITTEE



Prof Gretta Pecl, **CMS Director**



Dr Beth Fulton, **CMS Deputy Director**



Dr Alistair Hobday, **CSIRO**



Adjunct Prof Ingrid van Putten, CSIRO



Dr Rich Little, CSIRO proxy



Prof Nicole Webster, **IMAS**



Assoc Prof Joanna Vince, CALE



Prof Jenn Scott, CHM



Mr Angus Henderson, student rep



Ms Brigette Wright, student rep



Dr Emma Church, ECR rep



Dr Scott Spillias, **ECR Rep**



Dr Jonny Stark, AAD



Dr Ian Dutton, NRE Tasmania



Mr John Adams, NRE Tasmania



Mr Martin Exel, **Austral Fisheries**



Prof Natalie Stoeckl, **TSBE**

CMS is overseen by a Steering Committee. Our Steering Committee is composed of members from IMAS, CSIRO, and the different institutions and schools within the University that form part of CMS, a representative from AAD, two independent representatives from government and industry, as well as CMS student and ECR reps.







2024 HIGHLIGHTS

Clarivate Highly Cited Researchers

Citation by our peers is one important measure (among many) of research impact and quality. Each year Clarivate produces the Highly Cited Researchers list that identifies global research scientists and social scientists who have demonstrated exceptional influence, as reflected through their publication of multiple papers frequently cited by their peers during the last decade. This year, two CMS researchers were celebrated on the Highly Cited list: **Alistair Hobday** and **Chris Wilcox**. These researchers were identified as Highly Cited in the 'Cross-Field' category which identifies researchers who have contributed to highly cited papers across several different research fields reflecting the highly interdisciplinary nature of the work they and we do at CMS.

Read more here: https://clarivate.com/highly-cited-researchers/



Alistair Hobday & Chris Wilcox

Dean Greeno, won the People's Choice Award at the 2024 Telstra National Aboriginal and Torres Strait Islander Art Awards - the country's most prestigious First Nations art award. Dean's placing artwork was a paperbark, reed, plywood and driftwood sculptural piece called tunapri milaythina muka, which in English means to know sea country through making, his view of his cultural heritage. Dean's artwork is a testament to the memories and teachings passed down through his family. His win reflects the ongoing support and appreciation for Aboriginal and Torres Strait Islander art in Australia.

Read more here: https://marinesocioecology.org/cms-memberdean-greeno-wins-telstra-natsiaa-peoples-choice-award/





Image: (left) Dean Greeno's artwork tunapri milaythina muka, To know Sea Country through making. Image credit: The Examiner; (right) Dean Greeno named the Telstra People's Choice Award winner, in the 2024 Telstra National Aboriginal and Torres Strait Islander Art Awards Telstra (NATSIAA). Image credit: Dean Greeno







Image: Prof Gretta Pecl (AM) and Her Excellency the Honourable Barbara Baker (AC) at the Investiture Ceremony at Government House on 6th September 2024. Image credit: Government House

Gretta Pecl was recognised in the King's Birthday 2024 Honours List and was appointed as a Member of the Order of Australia (AM) for her significant service to science, particularly ecological research, and to tertiary education. The Order of Australia recognises Australians who have demonstrated outstanding service of exceptional achievements. The Investiture Ceremony was held at the Tasmanian Government House in September 2024. Gretta also attended the Parliamentary Reception at Parliament House in Canberra on 14 October 2024, for His Majesty King Charles III and her Majesty Queen Camilla. At the reception, Gretta had the opportunity for some informal discussions with Australia's Environment Minister and our Chief Scientist.

Read more here: https://marinesocioecology.org/cms-director-prof-gretta-pecl-recognised-in-the-kings-birthday-2024-honours-list/



Image: CMS Director Professor Gretta Pecl (right) with Dr Cathy Foley (Australia's Chief Scientist in 2024) at the Parliamentary Reception at Parliament House in Canberra for His Majesty King Charles III and her Majesty Queen Camilla, 14 October 2024. Image credit: Gretta Pecl

Ben Arthur, was awarded Tasmanian STEM Communicator of the Year award at the 2024 Tasmanian STEM Excellence Awards for delivering creative STEM storytelling from the classroom to the boardroom to engage people across Australia on a wide range of marine issues.

Read more here: https://marinesocioecology. org/dr-ben-arthur-receives-tasmanianstem-communicator-of-the-year-award/



Image: Tasmania STEM Excellence Award 2024 winners, featuring Dr Ben Arthur (left) on the far left. Image credit: Inspiring Tasmania

Olly Dove, was awarded the 2024 Heather and Christopher Chong Community Service and Volunteering Award at the Tasmania Young Achiever Awards. Olly is a dedicated advocate for science communication in lutruwita/ Tasmania, having volunteered across four years in fostering engagement and celebration of STEMM professionals and students. As host and co-manager of That's What I Call Science and co-founder of not-for-profit, STEMM Communicators Australia Ltd, Olly spends her free time working hard to produce episodes.

Listen to more than 225 (!) episodes here: https://thatsscience.org/

Read more here: https:// marinesocioecology.org/ congratulations-cms-studentolly-dove-tasmanian-youngachiever-award-winner/

Image: Councillor Heather Chong of Clarence City Council & Winner Olivia Dove, who was awarded the 2024 Heather & Christopher Chong Community Service & Volunteering Award at the Tasmania Young Achiever Awards. Image credit: Awards Australia







Gabi Mocatta, was awarded the Fulbright Tasmania Scholarship 2024, funded by the University of Tasmania and the Tasmanian Government. Gabi will conduct her research fellowship in the United States in 2025, hosted by the Centre for Climate Change Communication at George Mason University in Fairfax, Virginia. Her work explores a case study to better understand health system and community climate-health information needs. Read more here: https://www.fulbright.org.au/2024alumni/#Dr-gabi-mocatta

CMS Showcase 2024: Building Connections and Collaboration for Sustainable Ocean Management



Image: CMS Showcase 2024 panel members (Panel 1: Diverse interests but a shared agenda). Image credit: Wild Productions and Designs



Image: CMS Showcase 2024 audience Q&A. Image credit: Wild Productions and Designs

The CMS held our annual showcase event in Hobart/Nipaluna on 28th October 2024. Over 160 people from more than 40 organisations attended. These attendees included our members and students, government representatives, industry representatives, researchers, and traditional owners and custodians.

The 2024 event was structured around a series of panels with researchers, government, industry representatives and traditional owners (i.e. allowing participants to shape discussion and agendas), short presentation sessions from our interdisciplinary researchers (i.e. brief overview of the current/future CMS work and research), as well as interactive workshopping focused on identifying risks, opportunities and critical marine issues for the years ahead. The day created opportunities for open dialogue and Q & A throughout the day, generating fruitful discussions and allow for important networking and collaborative relationships.

Read more here: https://marinesocioecology. org/cms-showcase-2024-buildingconnections-and-collaboration-forsustainable-ocean-management/



Image: CMS Showcase 2024 panel and audience (Panel 3: Achieving integration: lessons and approaches). Image credit: Wild Productions and Designs

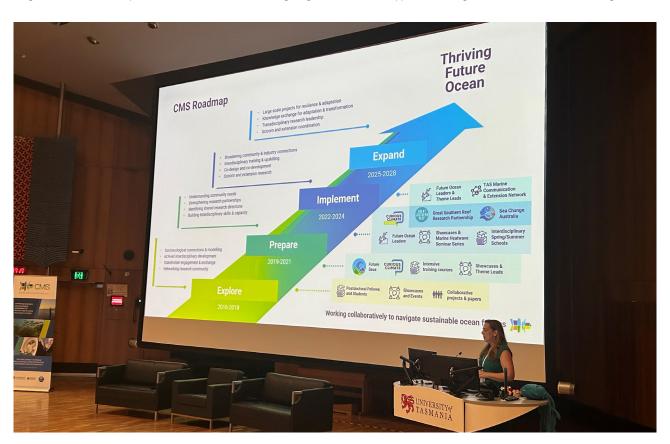


Image: CMS Director Prof Gretta Pecl presenting on the "CMS Roadmap" at the CMS Showcase 2024 Official Opening. Image credit: Julia Santana-Garcon

2024 SNAPSHOT

CONFERENCES & PRESENTATIONS

呈98

PAPERS



RESEARCHERS



VISITORS



REPORTS & OTHER PUBLICATIONS



AWARDS & PRIZES



STUDENTS



CMS EVENTS



PUBLIC OUTREACH EVENTS/ACTIVITIES



GRADUATIONS



BOOKS & CHAPTERS

SUMMARY OF SCIENTIFIC PUBLICATIONS OF THE LAST 6 YEARS (2019-2024)

CMS strongly values our direct connections with local stakeholders and the applied impacts of our research. However, we also have a strong academic impact at a global scale. Our staff and students have collectively published with hundreds of international co-authors, with citation metrics more than **2.42** times the world average for similar publications.

Field-Weighted Citation Impact takes into account the differences in research behaviour across disciplines, revealing how the number of citations received compares with the average number of citations received by all other similar publications indexed in the Scopus database (a value of 1 indicates the world average). All the metrics were calculated based on 475 papers from 2019 to 2024 which were available in Scopus (using SciVal software) on 11 March 2025.

Summary metrics

Scholarly Output

475 67.8% All Open Access

Citation Count

12,000

Authors

2,450

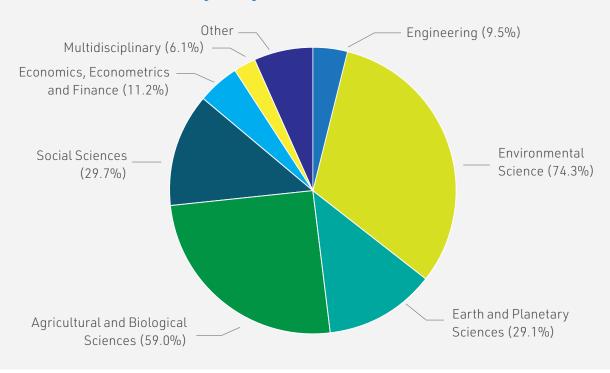
Citations per Publication

25.3

Field-Weighted Citation Impact

2.42

Publication share by subject area



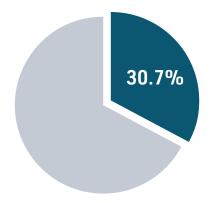
Keyphrase analysis

Keywords from all papers in the last 6 years

Blue Economy Anthropocene Marine Resources Strategic Approach
Marine Pollution Ecosystem-Based Fisheries Management Fishing Effort Marine Ecosystem Australia United Nations Acceptability Tasmania Marine Policy Climate Effect Fishery Production Marine Environment Food Web ate Change Plastic Waste Ecosystem Modeling Coproduction Overfishing Coral Reef **Environmental Impact Assessment** Ecosystem Service Southern Ocean Oceanography Ocean Governance Plastic Pollution Adaptive Management Conservation Management Tuna Fishery Sustainable Development Goals **Ecosystem Resource Management** Marine Protected Area Aquatic Ecosystem Climate Change Impact Marine Spatial Planning

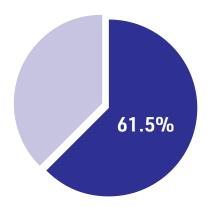
Outputs in Top Citation Percentiles

CMS Publications are in the top 10% most cited worldwide (field-weighted). For comparison UTAS 17.2%, Australia 17.5%



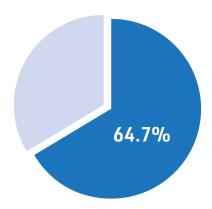
International Collaborations

CMS publications co-authored with institutions in other countries/regions. For comparison UTAS 56.1%, Australia 58.7%.



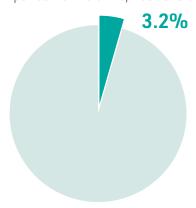
Publications in Top Journal Percentiles

CMS Publications are in the top 10% of journals by CiteScore Percentile.
For comparison UTAS 40.0%, Australia 38.8%



Academic-Corporate Collaboration

Publications with both academic and corporate affiliations.
For comparison UTAS 3.1%, Australia 3.5%



PUBLICATIONS

PAPERS

- 1. Baker GB, Komyakova V, Wellbelove A, Beynon N & Haward M (2024). The implementation of ACAP Best Practice Advice to mitigate seabird bycatch in fisheries: Issues and options. Marine Policy, 160, 105879. https://doi.org/10.1016/j.marpol.2023.105879
- 2. Bastiaansen A, Barrett N, Perkins N, Monk J & Strain EMA (2024). Taking a deeper look at the biodiversity on temperate mesophotic reefs to inform adaptive management of impacts in Storm Bay, Tasmania. Ecological Indicators, 166. https://doi.org/10.1016/j.ecolind.2024.112345
- 3. Bilotto F, Harrison MT, Vibart R, Mackay A, Christie-Whitehead KM, Ferreira CSS, Cottrell RS, Forster D & Chang J (2024). Towards resilient, inclusive, sustainable livestock farming systems. Trends in Food Science & Technology, 152. https://doi.org/10.1016/j.tifs.2024.104668
- 4. Blanchard JL, Novaglio C, Maury O, Harrison CS, Petrik CM, Fierro-Arcos D, Ortega-Cisneros K, Bryndum-Buchholz A, Eddy TD, Heneghan R, Roberts K, Schewe J, Bianchi D, Guiet J, Daniel van Denderen P, Palacios-Abrantes J, Liu X, Stock CA, Rousseau Y, Büchner M, Adekoya EO, Bulman C, Cheung W, Christensen V, Coll M, Capitan L, Datta S, Fulton EA, Fuster A, Garza V, Lengaigne M, Lindmark M, Murphy K, Ouled-Cheikh J, Prasad SS, Oliveros-Ramos R, Reum JC, Rynne N, Scherrer KJN, Shin Y-J, Steenbeek J, Woodworth-Jefcoats P, Yan-Lun Wu & Tittensor DP (2024). Detecting, Attributing, and Projecting Global Marine Ecosystem and Fisheries Change: FishMIP 2.0. Earth's Future, 12 (12). https:// doi.org/10.1029/2023EF004402

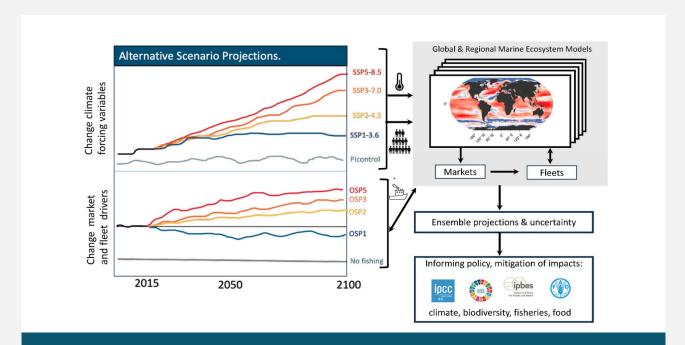


Image: Figure 3 in Blanchard et al. (2024), showing a conceptual representation of selected simulation experiment forcings over time being used to project future long-term changes under combined and relative effects of coupled climate and human development scenarios and example policy links, Earth's Future.

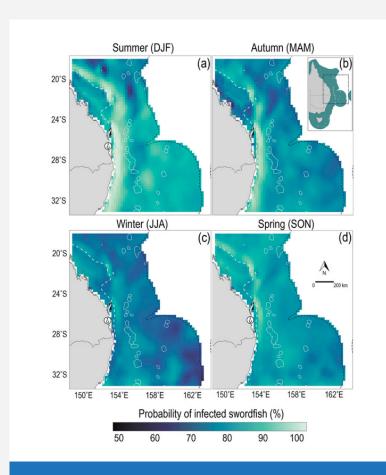
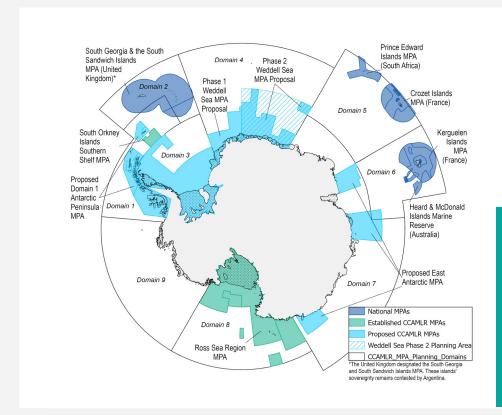


Image: Figure 4 in Bolin et al. (2024), showing seasonal predictions of the probability of harvesting an infected swordfish for the Austral (a) summer, (b) autumn, (c) winter and (d) spring, Fisheries Oceanography.

- 5. Bolin JA, Evans K, Schoeman DS, Spillman CM, Moore TS, Hartog JR, Cummins SF & Scales KL (2024). A warming western boundary current increases the prevalence of commercially disruptive parasites in broadbill swordfish. Fisheries Oceanography, 33(4). https://doi. org/10.1111/fog.12669
- 6. Boothroyd A, Adams V, Alexander K & Hill N (2024). Stakeholder perceptions of the Commission for the Conservation of Antarctic Marine Living Resources Marine Protected Area planning process. Marine Policy, 170. https://doi. org/10.1016/j.marpol.2024.106381
- 7. Boothroyd A, Adams V, Alexander K & Hill N (2024). Priority areas for marine protection in the Amundsen and Bellingshausen Seas, Antarctica. Marine Policy, 167. https://doi.org/10.1016/j. marpol.2024.106232



Boothroyd et al. (2024), showing CAMLR the proposed Weddell <u>Sea MPA, East Antarctica</u> Peninsula) MPA and the Domain 9 MPA planning region, *Marine Policy.*

- 8. Brent K, Simon M & McDonald J (2024). From informal to formal governance of solar radiation management. Climate Policy, 1-18. https://doi.org/10.1080/14693062.2024.2430688
- 9. Coghlan AR, **Blanchard JL**, Wotherspoon S, Stuart-Smith RD, Edgar GJ, Barrett N & **Audzijonyte A** (2024). Mean reef fish body size decreases towards warmer waters. *Ecology Letters*, 27(2). https://doi.org/10.1111/ele.14375
- 10. Condie CM, Fulton EA, Alexander KA, Vince J, Haward M & Condie SA (2024). Social influence modelling demonstrates that strategic communication and depoliticization reduces conflict in aquaculture. Marine Policy, 165, 106211. https://doi.org/10.1016/j.marpol.2024.106211

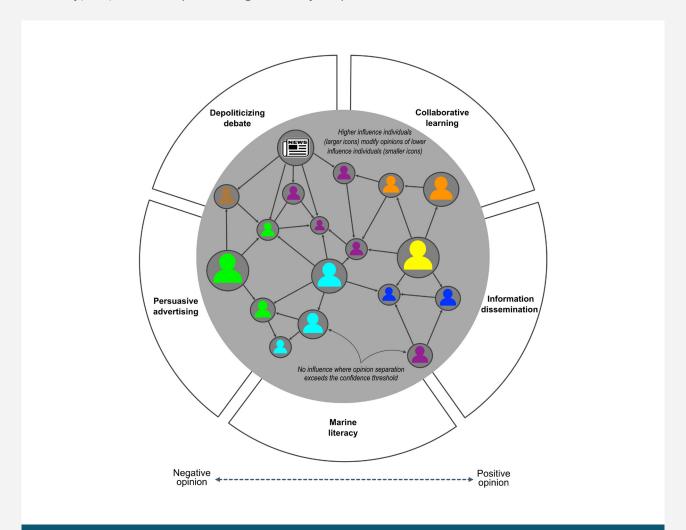


Image: Figure 1a in Condie et al. (2024), showing a schematic illustration of the network structure of the Social Influence and Events Model (SIEM). The opinion of an individual can potentially be influenced by media or other individuals with higher average certainty (larger icons) and opinions that fall within their confidence threshold (separation of icons), *Marine Policy*.

- 11. Constable AJ, Melbourne-Thomas J, Muelbert MMC & Hollowed AB (2024). Editorial: Marine Ecosystem Assessment for the Southern Ocean: meeting the challenge for conserving earth ecosystems in the long term. Frontiers in Ecology and Evolution, 12. https://doi.org/10.3389/fevo.2024.1507045
- **12. Cottrell RS** (2024). Towards a nutritional balance of fish for feed and fish for food. *Nature Food*. https://doi.org/10.1038/s43016-024-00933-y



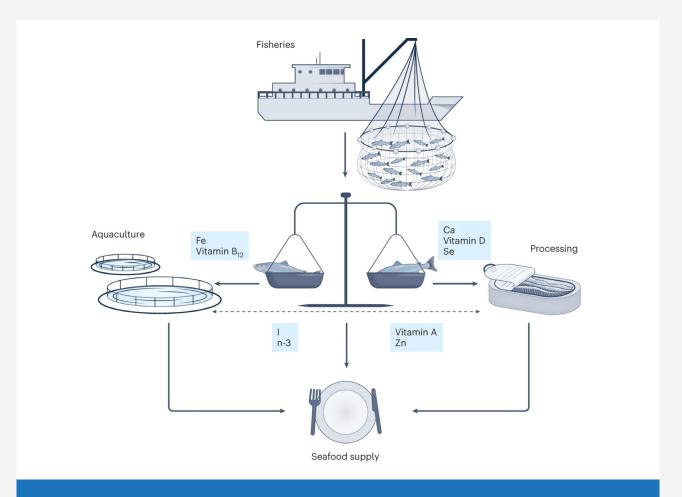
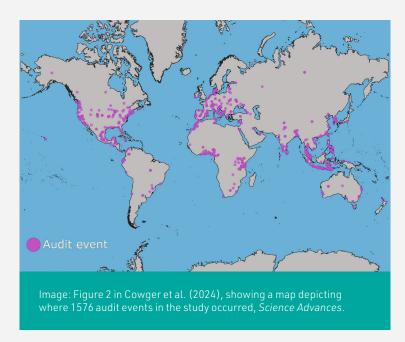


Image: Figure 1 in Cottrell et al. (2024), showing balancing nutrient flows in wild and farmed seafood systems coupled through feed, Nature Food.

- 13. Coutts A, Zimmermann D, Davey A, Bowman JP, Ross DJ & Strain EMA (2024). A comparison of visual and molecular methods for inferring biological communities in aquaculture enriched sediments -Impact assessment and cost-benefit analysis. Marine Pollution Bulletin, 209. https://doi.org/10.1016/j. marpolbul.2024.117172
- **14.** Cowger W, **Willis K**, Bullock S, Conlon K, Emmanuel J, Erdle L, Eriksen M, Farrelly T, Hardesty BD, Kerge K, Li N, Li Y, Liebman A, Tangri N, Thiel M, Villarrubia-Gomez P, Walker T & Wang M (2024). Global Producer Responsibility for Plastic Pollution. Science Advances, 10, eadj8275. https://doi.org/10.1126/sciadv.adj8275



15. Cvitanovic C, Blythe J, van Putten IE, Maddison L, Bopp L, Brodie S, Fulton EA, Lopes PFM, Pecl GT, Penca J & Sumaila UR (2024). Building Successful International Summer Schools to Enhance the Capacity of Marine Early Career Researchers. Ocean and Society, 1. https://doi.org/10.17645/oas.9328

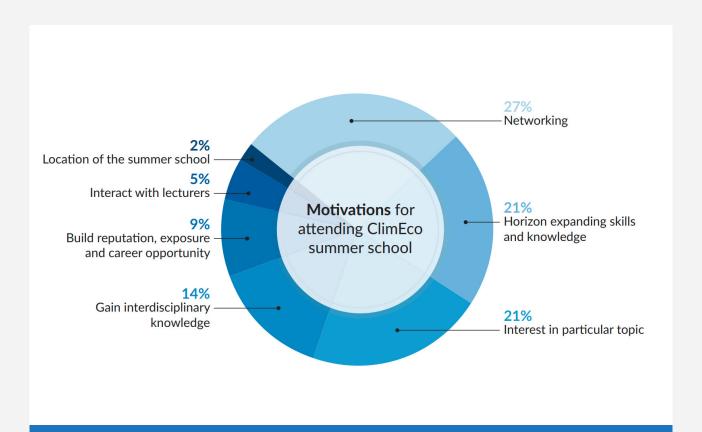


Image: Figure 2 in Cvitanovic et al. (2024), showing the motivations of participants for attending ClimEco summer schools, *Ocean and Society*.

- **16.** Cvitanovic C, Shellock RJ, Karcher DB, Tuohy P, Mackay M, van Putten IE, Ballesteros M & Dickey-Collas M (2024). Navigating the stormy seas of building 'trust' as a boundary organisation connecting marine science with policy and management. *Ocean & Coastal Management*, 248, 106952. https://doi.org/10.1016/J.OCECOAMAN.2023.106952
- **17. Dean AJ**, Fielding KS, Smith LDG, **Church EK** & Wilson KA (2024). Eliciting diverse perspectives to prioritize community actions for biodiversity conservation. *Conservation Biology*, e14372. https://doi.org/10.1111/cobi.14372
- **18.** DeCesaro JM, Allison EH, **Clawson G**, Frazier M, Gephart JA, Hicks CC, **Nash KL**, Williams DR & Halpern BS (2024). The distribution of environmental pressures from global dietary shift. *Environmental Research Letters*, 19(12). https://doi.org/10.1088/1748-9326/ad8509
- **19.** Doubleday ZA, Willoughby J, Martino JC, **Cottrell RS**, & Gephart JA (2024). Improved fisheries management and aquaculture growth align with fewer shocks to Australian seafood production. *Cell Reports Sustainability*, 100131. https://doi.org/10.1016/j.crsus.2024.100131

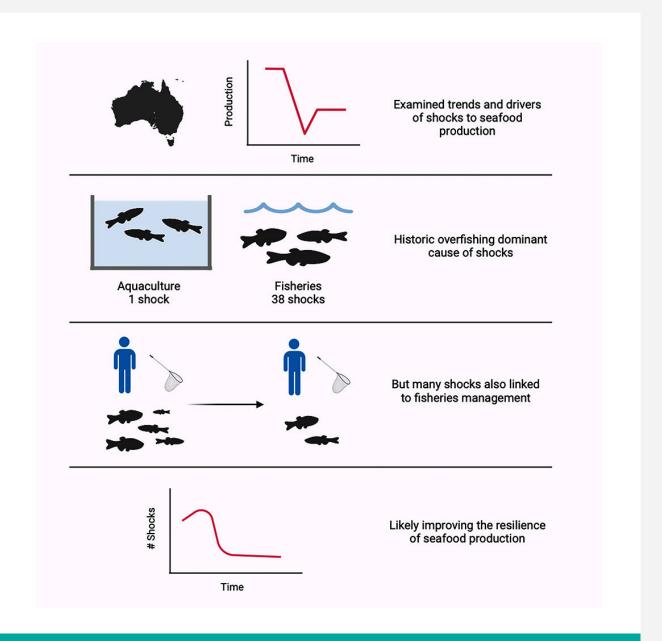


Image: Graphical abstract from Doubleday et al. (2024), describing how improved fisheries management and aquaculture growth align with fewer shocks to Australian seafood production, *Cell Reports Sustainability*.

- **20.** Duggan J, Clement S, **Cvitanovic C** & **van Putten IE** (2024). Incorporating sense of place into the management of marine protected areas: A case study from New South Wales, Australia. *Ocean & Coastal Management*, 258, 107417. https://doi.org/10.1016/j.ocecoaman.2024.107417
- **21.** Duggan J, Clement S, **Cvitanovic C** & **van Putten IE** (2024). Incorporating sense of place into the management of social-ecological systems: The researchers' perspectives. *PLOS ONE*, 19(9), e0308726. https://doi.org/10.1371/journal.pone.0308726
- **22.** Easton A, **Komyakova V** & Coughlin T (2024). Evaluating ecological risk in artificial habitat failure: A systematic review and risk assessment considering noise and light pollution in the marine environment. *Environmental Impact Assessment Review*, 107. https://doi.org/10.1016/j.eiar.2024.107560

A) Risk assessment matrix

		Consequence			
		Low	Moderate	High	Severe
p	Unlikely	1	2	3	4
Likelihood	Possible	2	4	6	8
	Likely	3	6	9	12
	Almost Certain	4	8	12	16

B) Light

		Consequence			
		Low	Moderate	High	Severe
Likelihood	Unlikely				
	Possible			Inv	
	Likely				
	Almost Certain				Fish

C) High Frequency Noise

		Consequence			
		Low	Moderate	High	Severe
Likelihood	Unlikely				
	Possible				
	Likely		Inv	Fish	
	Almost Certain				

D) Low Frequency Noise

		Consequence			
		Low	Moderate	High	Severe
Likelihood	Unlikely				
	Possible			Fish + Inv	
	Likely				
	Almost Certain				

Image: Table 5 from Easton et al. (2024), showing a risk assessment matrix with four impact consequence levels multiplied by four impact likelihood levels to calculate overall Risk Rating (A), as well as risk assessment matrix for light (B), high frequency noise (C) and low frequency noise (D) without any mitigation measures in place at artificial habitat sites, *Environmental Impact Assessment Review*.

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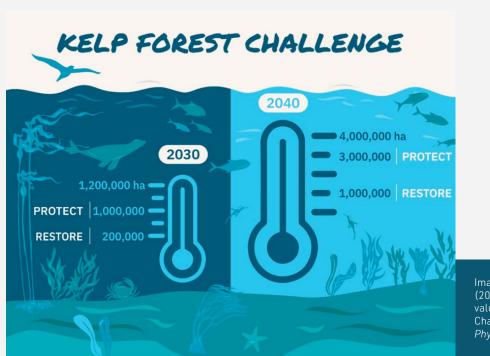


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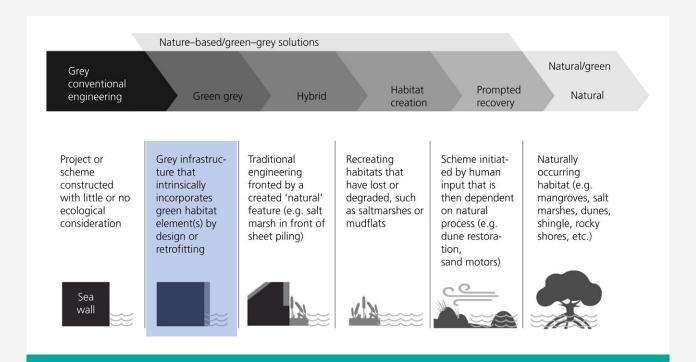


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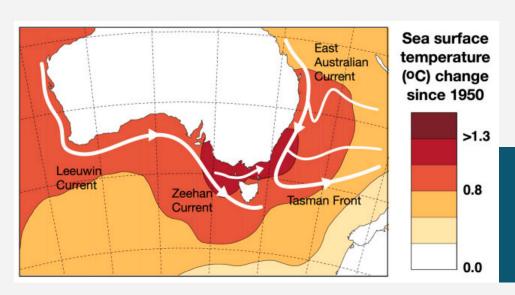


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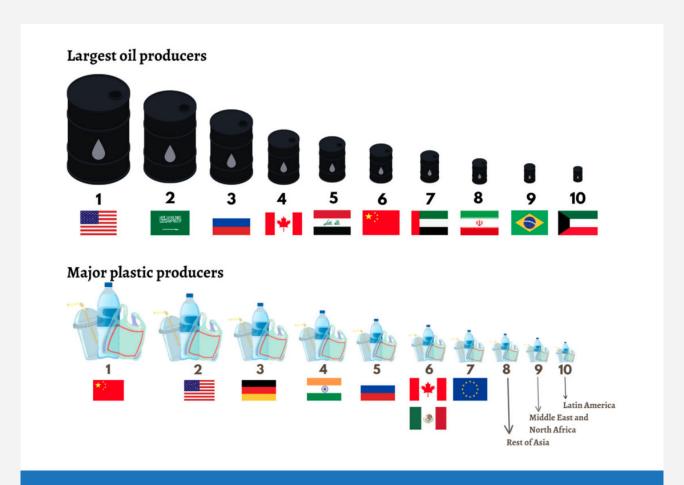


Image: Figure 4 in Gonçalves et al. (2024), showing a ranking of largest oil-producing countries, in order: United States of America, Kingdom of Saudi Arabia, Russian Federation, Canada, Iraq, China, United Arab Emirates, Iran, Brazil, and Kuwait; and major plastic producing countries, in order: China, United States of America, Germany, India, Russia, Canada and Mexico, Rest of the European Union, Rest of Asia, Middle East and North Africa, and Latin America, Cambridge Prisms: Plastics.

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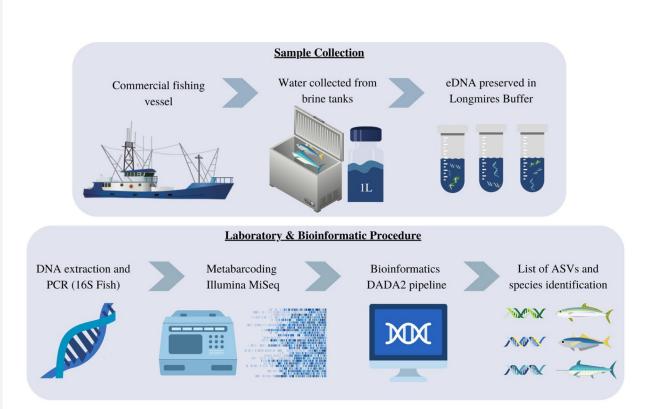


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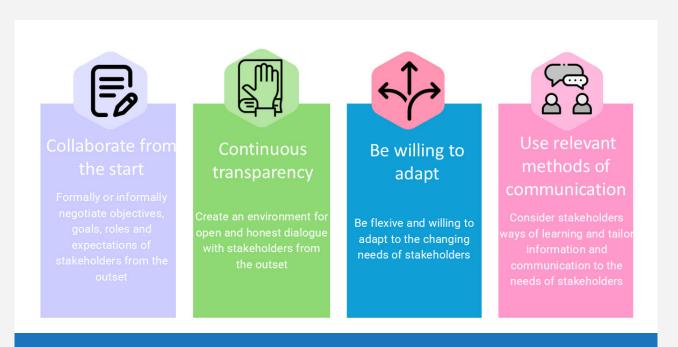


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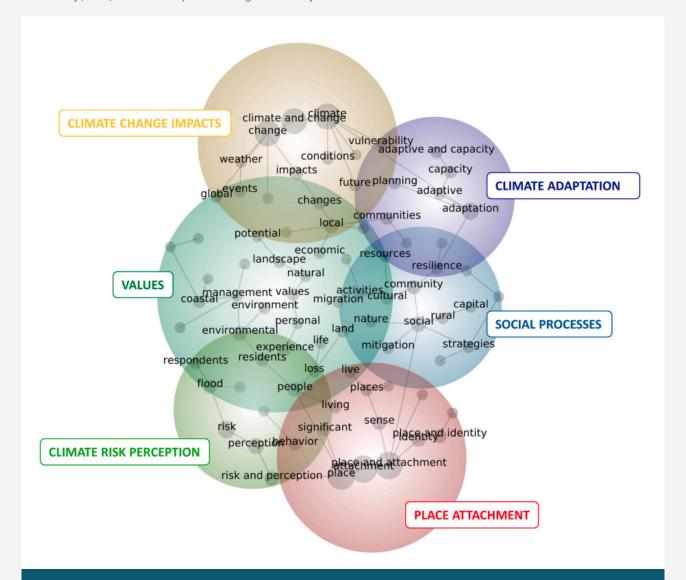


Image: Figure 6 in Jayakody et al. (2024), showing a qualitative concept map presenting high-level concepts and their interconnections emerging from existing research on place attachment and climate change adaptation. Themes are discerned by large bubbles and the concepts that constitute each theme are depicted by the nodes within bubbles. Lines between nodes represent direct links between specific concepts within and across themes, *Environmental Science and Policy*.

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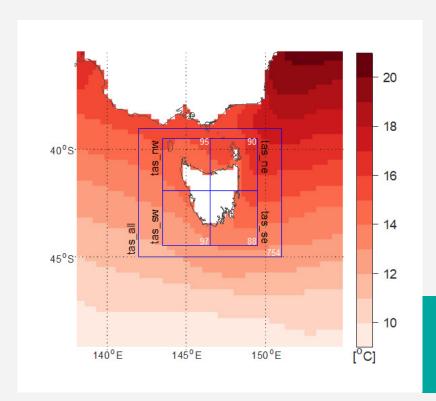


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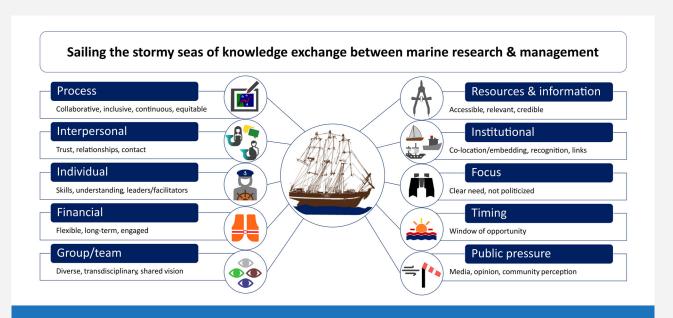


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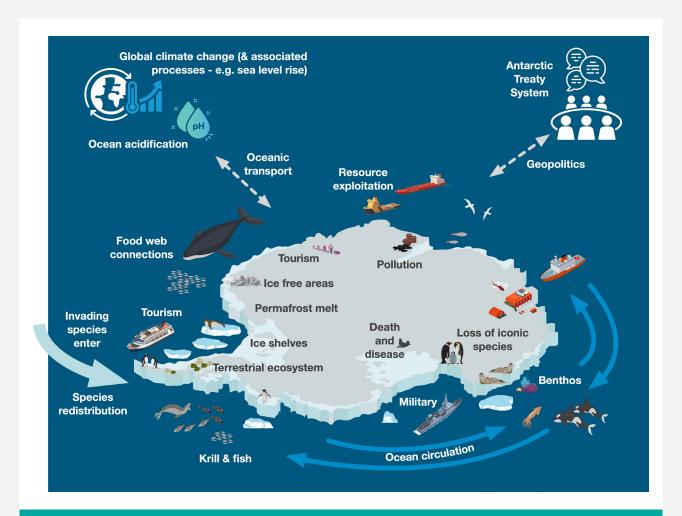
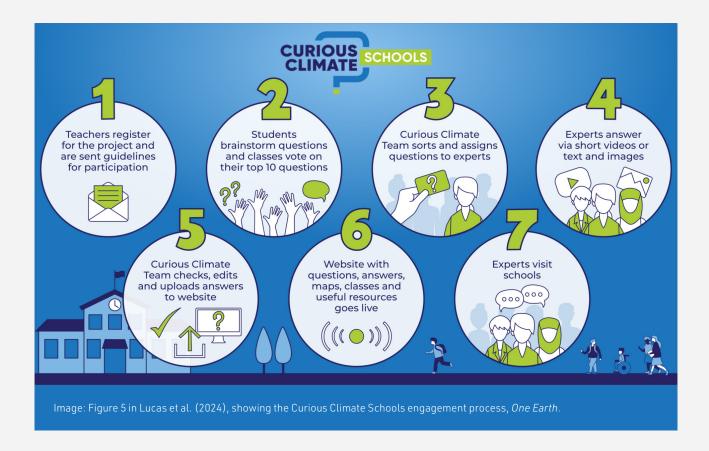


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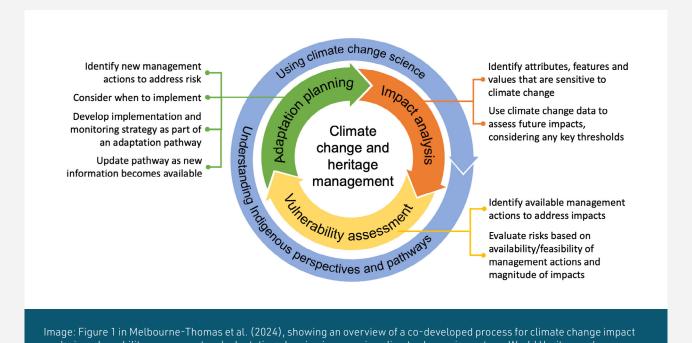


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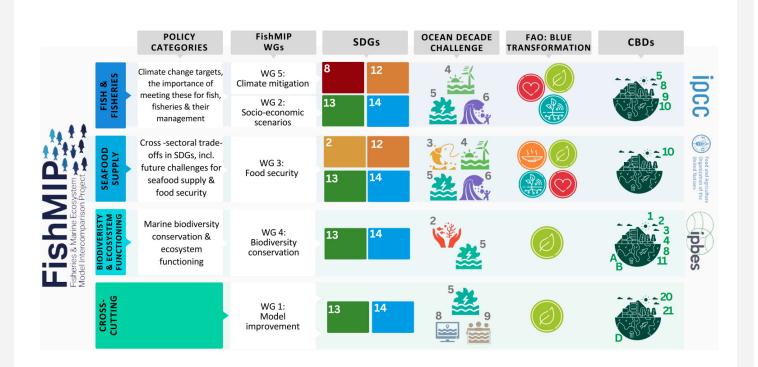


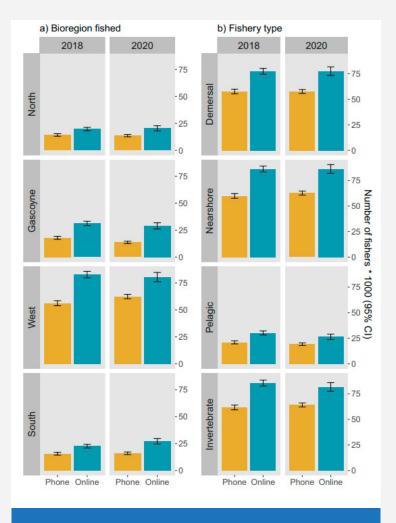
Image: Figure 3 in Novaglio et al. (2024), showing an overview of FishMIP goals and their respective policy categories, the objectives of FishMIP working groups, and how they address the Sustainable Development Goals (SDGs), the Ocean Decade Challenges, the four betters of the Food and Agriculture Organization (FAO) Stratgic Framework for Blue Transformation, and the targets (numbers) and goals (letters) of the Convention of Biological Diversity (CBDs), Earth's Future.

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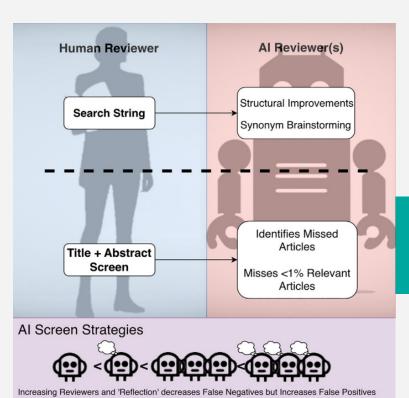


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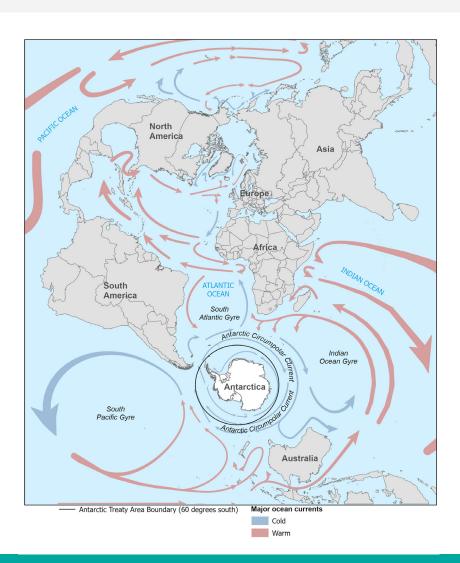


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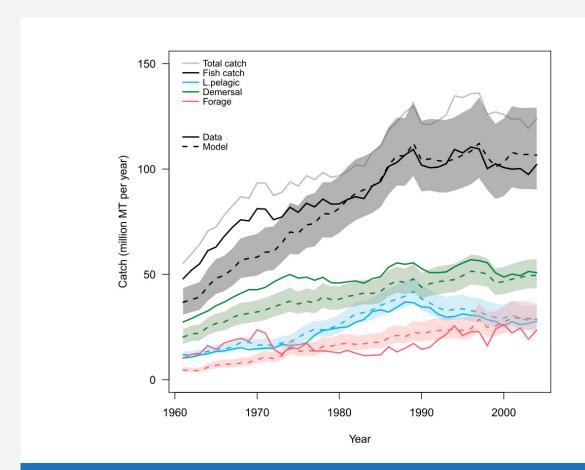


Image: Figure 4 in van Denderen et al. (2024), showing a time-series of observed (solid) versus model-based (dashed) catches Fish catch includes all fishes classified as large pelagic, forage fish and demersal in the study, *Earth's Future*.

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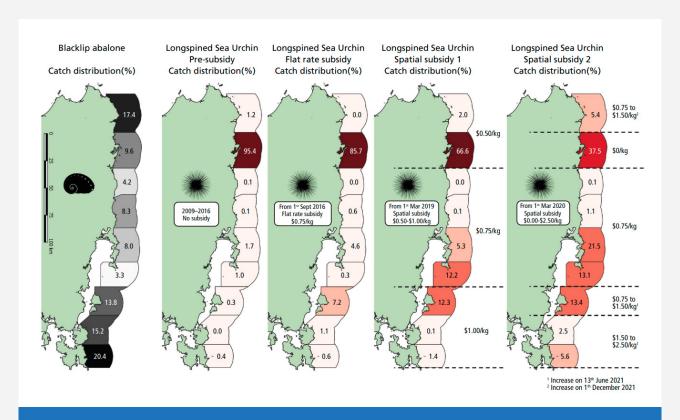


Image: Figure 3 in Keane et al. (2024), showing maps of eastern Tasmania displaying the spatial distribution (%) of the blacklip abalone harvest (2010 to 2020; left panel) and the longspined sea urchin harvest pre (2009–2016) and post introduction of flat rate (2016–2019) and spatially variable (2019–2022) subsidies (right panels), FAO Fisheries and Aquaculture Technical Paper 704.

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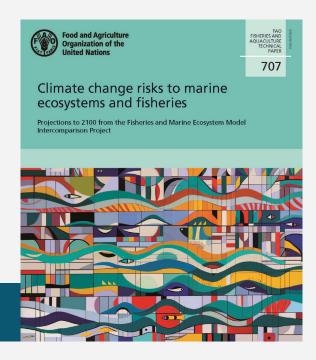


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2. Condie C, Melbourne-Thomas J, Spillias S, Andreotta M & Condie S (2024). Low Conflict Pathways To Renewable Energy: Stakeholder attitudes to the proposed Bass Strait offshore wind energy zone. Hobart, Tasmania, Australia, CSIRO. csiro:EP2024-2883. https://doi.org/10.25919/3k85-wa73

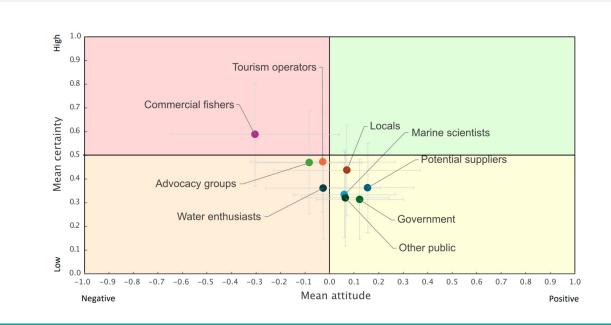
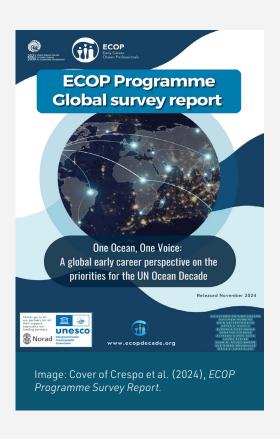


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A Sounding Alarm for Ecosystem Health

Three dimensions of ecosystem structure are needed to define, understand, and measure the health of any ecosystem and how to conserve it. When combined, these indicators produce the Ecosystem Traits Index.

Ecosystem Traits Index (ETI)



Image: Graphic from Fulton & Sainsbury (2024), Moving from A to B: Guidelines for Practical Ecosystem-Based Fishery Management.

- **6. Fulton EA**, **Melbourne-Thomas J**, **Ogier E**, Dutra LXC, Thomas L, **van Putten EI** (2024). *Applying the Fisheries Climate Adaptation Handbook to Australia's State Fisheries*. Hobart, Tasmania, Australia, CSIRO.
- 7. Lacharité M, Baird H, Fudge M & Villanueva C (2024). Tasmania's Marine Atlas. FRDC Project No 2019-111. Hobart, Institute for Marine and Antarctic Studies, University of Tasmania. https://www.frdc.com.au/sites/default/files/products/2019-111-DLD.pdf

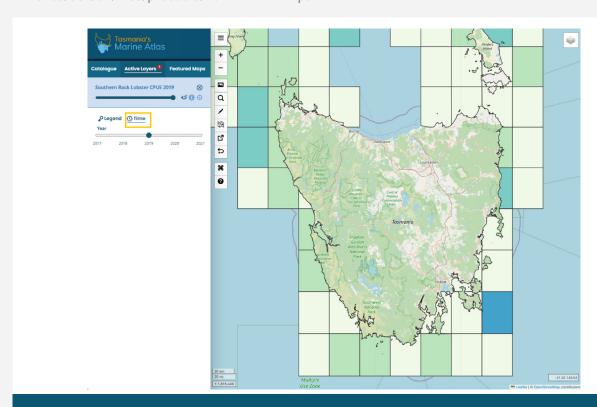


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- 2. Church EK (2024). "Connecting communities to act for nature: the role of social capital in enabling stewardship behaviours". PhD Thesis, School of the Environment, The University of Queensland. Advisors: Dr Angela Dean (UQ), Prof Kerrie Wilson (QUT).
- 3. Cresswell I, Constable AJ & Reid K "These extraordinary Australian islands are teeming with life and we must protect them before it's too late". *The Conversation*, 27 March 2024. https://theconversation.com/these-extraordinary-australian-islands-are-teeming-with-life-and-we-must-protect-them-before-its-too-late-226513
- **4.** FishMIP Special Issue in *Earth's Future* organised **Blanchard J**, **Novaglio C**, Harrison C, Roberts K, Ortega-Cisneros K & Eddy T. https://agupubs.onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)2328-4277.MRNECO
- **5.** Franks P, Blythe J, Campese J, Dawson N, **Gurney G**, Lassen B, Martin A, Twinamatsiko M & Tugendhat H (2024). "Advancing equitable governance in area-based conservation", IUCN WCPA Issues Paper Series No. 3, Gland, Switzerland: IUCN.
- 6. Lucas C, Earl-Jones C, Mocatta G, Pecl GT, Beasy K & Kelly R. "How long before climate change will destroy the Earth?': research reveals what Australian kids want to know about our warming world". The Conversation, 21 March 2024. https://theconversation.com/how-long-before-climate-change-will-destroy-the-earth-research-reveals-what-australian-kids-want-to-know-about-our-warming-world-226122
- 7. Lucas CH, Beasy K, Kelly R, Mocatta G, Grant K, Pecl GT, Earl-Jones N, McCormack P & Murrell R. "Climate Curious? Answering your questions about Climate Change and what we can do about it", University of Tasmania, Hobart, Australia, 2024. https://curiousclimate.org.au/climate-curious-guide/
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Image: 'Climate Curious? Answering your questions about Climate Change and what we can do about it'. Image credit: Curious Climate Tasmania

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- **10.** Snow S, **Fleming A** & Malakar Y. "We're helping farmers access future climate projections as easily as checking the weather". *The Conversation*, 21 May 2024. https://theconversation.com/were-helping-farmers-access-future-climate-projections-as-easily-as-checking-the-weather-227761
- 11. Willis K, Hardesty BD, Conlon K & Cowger W. "If plastic manufacturing goes up 10%, plastic pollution goes up 10% and we're set for a huge surge in production". *The Conversation*, 25 April 2024. https://theconversation.com/if-plastic-manufacturing-goes-up-10-plastic-pollution-goes-up-10-and-were-set-for-a-huge-surge-in-production-227365

CONFERENCE CONVENING & SYMPOSIA

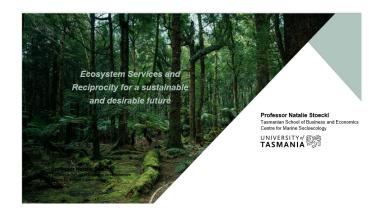
- 1. **Audzijonyte A**, Heather F & **Blanchard J**. "Symposium: Human impacts on fish and other marine organism body sizes, shifting baselines and implications for ecosystems and fisheries", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 2. **Gurney G**. "Symposium: Advancing justice in the governance of changing marine social-ecological systems", International Association of Society and Natural Resources (IASNR) Conference, Cairns, Queensland, June 2024.
- **3. Gurney G**, **Ogier E** & Lawless S. "Symposium: Justice and equity in the governance of rapidly changing oceans", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **4. Kelly R**, Francis P, **Shellock R**. "Symposium: Ocean literacy key for future ocean sustainability?" AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 5. Jackson E, **Strain EM** et al. "Workshop: Seagrass restoration", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **6.** Lara Lopez A, **Evans K** & Canonico G. "Symposium: Marine biodiversity observations: providing the essential foundation for achieving future ocean sustainability", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- Melbourne-Thomas J & Pedreschi D. "Symposia: Risk perception and assessment for marine ecosystem-based management", Marine Socio-Ecological Systems Symposium (MSEAS) 2024 Conference, Yokohama, Yokohama, Japan, June 2024.
- 8. Pecl GT & Cresswell K. Co-Chairs of the 2024 AMSA-NZMSS Conference Scientific Committee, Hobart, Tasmania, September 2024.
- 9. **Strain EM** et al. "Symposium: Lessons in repairing sea country", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 10. Strain EM & Trebilco R. Organising Committee Members for the 2024 Australian and New Zealand Marine Science Association Conference (AMSA-NZMSS), Hobart, Tasmania, September 2024.



Image: CMS members from Hobart at MSEAS 2024 in Yokohama. Back (L-R) Stewart Frusher, Rowan Trebilco, Kelly Hoareau, Alistair Hobday, Front (L-R) Rosa Maria Canedo Apolaya, Jess Melbourne-Thomas, Brigette Wright, Emily Ogier. Image credit: Jess Melbourne-Thomas

PLENARIES AND KEYNOTES

- 1. **Blanchard JL**. Keynote for World Bank 3rd High level conference for the Blue Belt Initiative, session 5: Addressing challenges: towards building a resilient, climate-ready Africa (via zoom). Tangier, Morocco, October 2024.
- 2. Blanchard JL, et al. "Detecting, attributing, and projecting global marine ecosystem and fisheries change: FishMIP 2.0", Keynote in session "Modelling uncertain futures", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 3. Blanchard JL & Novaglio C. "Climate risks to marine ecosystems and fisheries", Keynote for Ocean Decade Satellite Event "Ocean Insights: marine ecosystem modelling and new technologies for tomorrow's climate decisions". UN Ocean Decade conference, Barcelona, Spain, April 2024.
- **4. Dutton IM**. "New Approaches to Navigating Our New Oceans: Different Strokes or Different Folks?" Keynote Address, AMSA-NZMSS Conference 2024, Hobart, Tasmania, 12 September 2024.
- **5. Dutton IM**. "Positioning our Centro Collaborations in Australia's Sustainable Ocean Future", Keynote address to the National Centrostephanus Workshop, hosted by VFA and FRDC, Melbourne, 30 October 2024.
- **6. Fulton EA**. "Monitoring at a system scale what's needed?", Keynote in session on monitoring and observations, AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 7. **Fulton EA**. "Our complex world creates holes in predictive capacity Is that really a bad thing?", Keynote Address, ANZIAM 60th Conference, Adelaide Hills, South Australia, February 2024.
- **8. Gurney G**. "Advancing equity in coral reef conservation practice, policy and science", Plenary, Australia Coral Reef Society Conference, Perth, Australia, May 2024.
- **9. Kelly, R**. "Sustainable ocean futures through inter- and transdisciplinary collaboration". Opening keynote at the Centre for Sustainable Ocean Science official launch in Turku, Finland, 10 September 2024.
- **10. Melbourne-Thomas J**. "Collaborative approaches to navigating different risk perspectives in decision making for marine social-ecological systems", Plenary, Marine Socio-Ecological Systems Symposium (MSEAS) 2024 Conference, Yokohama, Japan, June 2024.
- 11. Pecl GT, "Fish and fisheries in a shifting world and changing ocean: what's in store and what's needed to ensure a thriving future?", symposium plenary, Lowell Wakefield Fisheries Symposium, Sitka, Alaska, 16-18 April 2024.
- **12. Pecl GT**, "Personal reflections on eco-distress", Keynote speaker, DCCEEW International Environment Reef and Ocean Division end of 2024 event, 12 December 2024.
- 13. Stoeckl N. "Ecosystem services and reciprocity for a sustainable and desirable future", Keynote in session "Antimicrobial Resistance in Planetary Health", EcoSummit 2024, Zhengzhou, China, December 2024.
- **14. Strain EM** et al. "Stubborn optimism or foolish hope: restoring endangered marine habitats", Keynote Address, AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.



INVITED SPEAKERS

- 1. **Evans K**. "Partnership for Observation of the Global Ocean 25", Thematic session on ocean essential ocean variables, 2024.
- 2. Evans K. "La Nuit des Idées: fracture lines", National Gallery of Victoria, Melbourne, 2024.
- **3. Evans K**. "Australian and New Zealand ECOP Node launch", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **4. Evans K**. "Marine Life 2023: Advancing biology and ecosystem ocean observations and forecasting", Ocean Best Practices System workshop VIII, online, October 2024.
- **5. Komyakova V**. Red handfish habitat restoration workshop, Hobart, Tasmania, 2024.
- **6. Pecl GT**. "Global redistribution of life and earth", University of Alaska, Juneau, Alaska, 19 April 2024.
- 7. **Pecl GT**. "Collaborative exchanges between NOAA Alaska and Sea Change Australia", online, 27 August 2024.
- 8. Pecl GT. "Climate change and the seafood industry", Affectus, leadership program, 9 September 2024.
- Pecl GT & Blanchard J, meeting and invited presentation with international Taskforce of Nature Disclosure (TFND) Secretariat, August 2024.
- **10. Strain EM**. Red handfish restoration workshop, Hobart, Tasmania, 2024.
- **11. Strain EM**. Restoring marine habitats, Chioggia, Italy, 2024.
- **12. Willis K**. Measuring marine litter as a way to design and implement actions that work. UNEP Sea of Solutions, UNCC, Bangkok, Thailand, September 2024.



Image: Kathy Willis speaking during the "Measuring marine litter as a way to design and implement actions that work" at the UNEP Sea of Solutions, UNCC, Bangkok, Thailand, September 2024. Credit: Kathy Willis.

GENERAL PRESENTATIONS

- **1. Audzijonyte A**. "Temperature and fish body sizes: many issues still remain", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- 2. Audzijonyte A. "Novel Technologies Show Large and Sustained Increase in Recreational Fishing Effort during COVID-19", World Fisheries Congress, Seattle, USA, February 2024.
- **3. Audzijonyte A**. "Assessing recreational fishing effort and catches through collaboration with industry", World Fisheries Congress, Seattle, USA, February 2024.
- **4. Audzijonyte A**. "Artificial intelligence in species, size and individual identification can enhance datalimited fisheries assessments", World Fisheries Congress, Seattle, USA, February 2024.
- **5. Audzijonyte A**. "Warming has large impacts on inland fish sizes and growth, but universal predictions don't work", World Fisheries Congress, Seattle, USA. February 2024.
- **6. Condie C** & **Condie S**. "Quantifying the social acceptability of marine-based activities", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.







Image: Vaibhavi Dwivedi presenting at the Australian Antarctic Research Conference (AARC) in Hobart, Tasmania, November 2024. Image credit: Vaibhavi Dwivedi

- 7. Condie C & Condie S. "Using social influence modelling to plot a pathway out of marine-based conflict", Advances in Marine Ecosystem Modelling Research Plymouth, UK, July 2024.
- **8. Condie C, Melbourne-Thomas J, Spillias S, Andreotta M & Condie S.** "Australian offshore wind energy finding low conflict pathways?", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **9. Clawson G.** "Mapping the biodiversity impacts of aquaculture feed", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **10. Church EK**. "Great Southern Reef Research Partnership", Social Science Community for the Great Barrier Reef Symposium 2024, Gold Coast, Queensland, September 2024.
- **11. Church EK**. "From awareness to action: mobilising stewardship for the GSR", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **12. Church EK**. "Human dimensions of the Great Southern Reef", Society for Conservation Biology Annual Conference, November 2024.
- **13. Cresswell KA**, "Deciphering larval dispersal for southern rock lobsters across Australia to guide Management", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **14. Dove OE**. "Vertical resource partitioning of two marine mesopredators foraging in southeast Tasmania", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **15. Dove OE**. "TurtleSAT: Empowering Citizen Scientists for Real-Time Conservation", Ecological Society of Australia conference, Melbourne, Victoria, December 2024.
- **16. Dutton I**. "Empowering Effective Governance of Abalone Fisheries", Halotid Mini Symposium, IMAS, Taroona, Tasmania, 11-13 September 2024.
- **17. Dwivedi V**. "Governance of plastic pollution in Antarctica and the Southern Ocean", ECR Day, Australian Antarctic Research Conference (AARC), Hobart, Tasmania, November 2024.
- **18. Dwivedi V**. "Governance of plastic pollution in Antarctica and the Southern Ocean", Antarctica Day, IMAS, Hobart, Tasmania, November 2024.
- **19. Evans K**. "Priority species datasets of relevance to the Gippsland declaration area: pathways for their use in decision making", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.

- **20.** Fullbrook L, Santana-Garcon J, Kelly R & Pecl GT. "Sea Change Australia: Co-developing pathways to mitigate and adapt to a changing climate for fisheries and aquaculture in Australia", Seafood Directions 2024, Hobart, Tasmania, September 2024.
- **21. Green M**, "Molecular tools for enhanced traceability in the shark liver oil trade", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **22. Hobday AJ**, "Forecasting a summer of extremes: Building stakeholder response capacity to marine Heatwaves", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **23. Hunt L**. "Who speaks for the ice? Why news representations of Antarctica matter", XI SCAR Open Science Conference, PUcon, Chile, August 2024.
- **24. Hunt L**. "Women of the ice: An oral history of female Antarctic scientists", XI SCAR Open Science Conference, PUcon, Chile, August 2024.
- **25. Hunt L**, King M, **Leane E** & Marx K. "Public Engagement with Antarctica: Results form a National Survey", Side Event, Australian Antarctic Research Conference (AARC), Hobart, Tasmania, November 2024.
- **26. Kelly, R**. "Ocean literacy key for future ocean sustainability?" AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **27. Kelly R**. "Behaviour change interventions in the seafood sector", Behaviour Change Webinar Series, online and Hobart, Tasmania, 26 September 2024.
- **28. Komyakova V**. "Learning from Nature: Eco-engineering of artificial habitats", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **29.** Marshell A, "Reef-ining underwater habitats: comparing artificial reef fish communities to other nearby habitat in Tasmania", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **30.** Marshell A, "Quantifying distinctions in otolith shape of morphologically similar Sub-Antarctic Macrourus species to assist fishery observer identifications", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **31.** Marshell A, "Harnessing artificial intelligence to inform length-based stock assessments and sustainable fisheries management in Tasmania", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **32. McClean N**, "Approaches for incorporating Indigenous Rights, practices and catch into resource sharing and harvest strategy frameworks, based on international experiences", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **33. Puskic P**, Liese N, Landim FFP, Royer SJ, Merel Kooi M & Roman L. "2D imaging tools for harmonisation in plastic pollution data", MICRO 2024, Spain, September 2024.
- **34. Pecl GT**, "Sea Change Australia: Co-developing Climate Adaptation Pathways for Australia's Fisheries and Aquaculture", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- **35. Pecl GT**, **Kelly R**, **Fullbrook L** & **Santana-Garcon J**. "Sea Change Australia: Co-developing pathways to mitigate and adapt to a changing climate for fisheries and aquaculture in Australia", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.

- 36. Plaganyi EE. "Confronting complex cumulative pressures impacting Australia's northern prawn fishery", Australian Society for Fish Biology (ASFB) Conference 2024, Newcastle, New South Wales, November 2024.
- Santana-Garcon J & Fullbrook L. "Sea Change Australia", Seafood Directions 2024, Hobart, Tasmania, September 2024.
- 38. Shum E, Adams V & Gurney G. "Species as placemakers: the role of species in place attachment", International Association of Society and Natural Resources (IASNR) Conference, Cairns, Queensland, June 2024.



Image: Roshni Subramaniam presenting at Seafood Directions in Hobart, Tasmania, September 2024. Photo credit: Jess Melbourne-Thomas.

- **39. Shum E, Adams V & Gurney G**. "There's no place like home: Connection to Species on Bruny Island", Tasmanian Land Conservancy (TLC) Conservation Science Symposium 2024, Hobart, Tasmania, August 2024.
- **40. Strain EM**, et al. "Assessing the health and biodiversity of seagrass beds in lutrawita/Tasmania", International Seagrass Conference, Napoli, Italy, June 2024.
- **41. Subramaniam RCS**, **Boschetti F**, **Plagányi E**, Schrobback P & **Melbourne-Thomas J**. "Co-producing pathways towards resilient and sustainable seafood supply chains in Australia", 9th World Fisheries Congress, Washington, USA, March 2024.
- **42. Subramaniam RCS**, **Boschetti F**, **Plagányi E**, Schrobback P & **Melbourne-Thomas J**. "How can we strengthen resilience in seafood supply chains?", Seafood Directions 2024, Hobart, Tasmania, September 2024.
- **43. Subramaniam RCS**, **Boschetti F**, Fielke S, Lefroy D, **Plagányi E**, Schrobback P, **Stitzlein C**, **Ward D** & **Melbourne-Thomas J**. "Information sharing and trust in seafood supply chains", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **44. Trebilco R**, Dunstan P, **Fischer M**, Hunter C, **Hobday AJ**, **Evans K** & **Fulton EA**. "Integrated system assessment and reporting for marine ecosystem-based management", Marine Socio-Ecological Systems Symposium (MSEAS) 2024 Conference, Yokohama, Yokohama, Japan, June 2024.
- **45. Trebilco R**, Dunstan P, **Fischer M**, Hunter C, **Hobday AJ**, **Evans K**, **Fulton EA**. "Integrated system assessments and reporting are required to achieve Blue aspirations", AMSA-NZMSS Conference 2024, Hobart, Tasmania, September 2024.
- **46.** van Vulpen M, **Puskic P**, Egger M & Proietti M. "Marine Megafauna in the North Pacific Garbage Patch and Exposure to Floating Plastic Debris", Ocean Sciences Meeting 2024, AGU, New Orleans, USA, February 2024.
- **47. Wright B, Melbourne-Thomas J, Ward D**, Rust S & **Pecl GT**. "Can Al help us better characterise tipping points in marine social-ecological systems?" Marine Socio-Ecological Systems Symposium (MSEAS) 2024 Conference, Yokohama, Yokohama, Japan, June 2024.



OTHER SCIENTIFIC PRESENTATIONS

- 1. **Audzijonyte A**. "Fisheries induced evolution can it apply to abalone in Tasmania?", invited presentation, Tasmanian abalone fisheries quota holders general annual meeting, 2024.
- 2. **Blanchard JL**. "Climate Change Risks to Marine Ecosystems and Fisheries", DCCEEW Climate Science Seminar, 2024.
- **3. Blanchard JL**. "Bridgingthe land-sea divide to ensure food security under climate change", 2Pacific Small Island Developing States (SIDS) Solutions Forum, 2024.
- **4. Condie C, Condie S, Melbourne-Thomas J, Andreotta M & Spillias S.** "Low Conflict Pathways to Renewable Energy: CSIRO stakeholder survey of attitudes relating to the proposed Bass Strait offshore wind energy zone", CSIRO, Hobart, Tasmania, 1 July 2024.
- 5. **Kelly R, Mackay M, Fullbrook L**. "Behaviour change in fisheries and aquaculture" two-part webinar series, online only. Septmeber 2024.
- **6. Melbourne-Thomas J, Kelly R**. "Webinar: What is knowledge brokering and are you already doing it?" NOAA Fisheries, Northwest Fisheries Science Center Seminar Series, 3 November 2024.
- 7. **Pecl GT**, "Sea Change Australia: Co-developing Climate Adaptation Pathways for Australia's Fisheries and Aquaculture", Stakeholder engagement meeting, Fisheries and Aquaculture Executive Seafood Forum, Port Lincoln, South Australia, 5 December 2024.
- 8. Pecl GT, Bennett S, Evans K, Fischer M, Layton C, Saunders M, Sullivan A, Trebilco R & Vince J, invited to attend the Global Nature Positive Summit, Sydney, New South Wales, 8-11 October 2024.
- 9. Pecl GT & van Putten IE, ACT Now advisory board meeting, Lecce, Italy, 13-16 May 2024.
- 10. Pecl GT & Wolfe B, "Bioshifts" International Working Group, Montpellier, France 20-24 May 2024.



Image: CMS members at the Oceans Day as part of the Global Nature Positive Summit in October 2024. Image credit: Gretta Pecl

- **11. Spillias S.** "Marine Permaculture: Design Principles for Productive Seascapes", Regenerative Blue Economy: Aquaculture in Focus, CSIRO, Hobart, Tasmania, 5 September 2024.
- **12. Subramaniam RCS**. "How can information sharing and trust strengthen resilience in seafood supply chains?", online, 28 August 2024.

PANELS

- 1. **Asta Audzijonyte** presented on a panel discussion at the World Fisheries Congress as a co-author in a chapter for the upcoming book "Understanding Recreational Fishers: Disciplinary and Interdisciplinary Approaches for Fisheries Management" (eds Kevin Pope, Robert Arlinghaus, Abigail Lynch, Len Hunt, and Brett van Poorten), Seattle, USA, February 2024.
- 2. **Scott Bennet** presented on a panel discussion for BOTES Film night about the Great Southern Reef, Hobart, Tasmania, 4 October 2024.
- 3. Julia Blanchard was invited to launch the FAO report "Climate change risks to marine ecosystems and fisheries" as a special side event at the 36th UN Committee on Fisheries, FAO, 900+ attendees, Rome, Italy, 8-12 July 2024.
- **4. Emma Church** presented on a panel discussion for BOTES Film night about the great southern reef, Hobart, Tasmania, 4 October 2024.
- **5. Olly Dove** chaired a webinar for the Ecological Society of Australia on "What is an Early Career Ecologist? Making the transition from ecology student to professional", online, 6 November 2024.
- **6. Ian Dutton** was an invited Panellist to the Collaboration Panel Ocean Dialogue meeting hosted by the National Sustainable Ocean Plan Taskforce, Sydney, New South Wales, 10 October 2024.
- 7. Karen Grant, Olly Dove, Gretta Pecl, Jamie Allnutt, Joe Duggan, and Katie Cresswell were on an offsite evening panel event on climate distress titled "Living a good life, knowing what we know" as part of AMSA-NZMSS 2024 Conference, Hobart, Tasmania, September 2024.
- **8. Georgina Gurney** was invited to convene a panel on Justice and Equity in the Governance of the Great Barrier Reef for the Social Science Community for the Reef quarterly meeting, online, 10 July 2024.

- 9. Alistair Hobday and Mibu Fischer were panellists and Karen Evans, Stewart Frusher, Gretta Pecl, Megan Saunders, Rowan Trebilco and Joanna Vince were invited attendees at the Oceans Dialogue day of the Global Nature Positive Summit, Sydney, 18 October 2024.
- 10. Linda Hunt and UTAS media colleague Claire Konkes facilitated an Antarctic and Southern Ocean Mission Integrator (ASOMI) workshop: 'Environmental Communication: Transformative Research for the Climate Crisis, the Antarctic and the Southern Ocean', held at UTAS Phillip Smith Centre, 11 November 2024.
- **11. Emily Ogier**, Caleb Gardner and Sean Tracey WA rec fishing workshop, Hillarys Research Facility, Perth, Western Australia, 19 February 2024.
- 12. Gretta Pecl presented and was on a panel discussion at ABARES Outlook 2024 (https://www.agriculture.gov.au/event/abares-outlook). The panel was called "Marine fisheries in a changing climate" and included a discussion of the impacts of climate change on fish stocks and an exploration of the adjustment required to adapt and ensure sustainable marine fisheries, moderated by Patrick Hone, CEO FRDC, Yarralumla, ACT, March 2024.
- **13. Gretta Pecl** was invited to present at an Indigenous community webinar and Q & A session on the Marine Heatwave, organised by TAC, to answer questions regarding the possible impacts of the heatwave and how to respond, 15 January 2024.
- **14. Gretta Pecl** chaired the panel discussion "Climate Change: The impact on individuals, business, society, and the planet how to prepare for the unknown", Hobart, Tasmania, 4 July 2024.
- **15. Gretta Pecl, Maree Fudge** and **Emily Ogier** participated in the Antarctic and Southern Ocean Mission Integrator (ASOMI) workshop on Climate Interventions, held at IMAS Salamanca, Hobart, Tasmania, 13 February 2024.
- 16. Gretta Pecl and Emily Ogier, organised the SNAPP Workshop, 14-16 February 2024.
- **17. Gretta Pecl**, Andrew Constable, and Jan McDonald presented and were on a panel discussion at the public event "Can We Survive on a Hotter Planet?" in Hobart, Tasmania, and online, 27 June 2024.
- **18. Gretta Pecl** presented and was on a panel discussion at the public Tasmanian Leaders Regional Network event "Navigating Climate Change: managing change in an uncertain environment" in Hobart, Tasmania, 4 July 2024.
- **19. Matthew Testoni** presented on a panel discussion for BOTES Film night about the great southern reef, Hobart, Tasmania, 4 October 2024.
- **20. Rowan Trebilco** was an invited attendee at the International Global Nature Positive Summit, Sydney, New South Wales, 16-18 October 2024

STUDENT CONFIRMATION SEMINARS

- 1. **Andrew Sullivan**, "Novel governance for a changing ocean From global to local: tracking novel multilateral governance interventions and their translation into domestic policies and practice", 18 March 2024.
- 2. Brigette Wright, "Tipping points in marine social-ecological systems", 8 April 2024.
- 3. Gage Clawson, "Mapping the biodiversity impacts of aquaculture feed", 2 February 2024.
- 4. Kathryn Deyell, "Political Ocean: Setting the Agenda for Ocean Governance and Security", 4 October 2024.
- **5. Kianna Gallagher**, "Communication, Environment and Heritage: A Comparative Analysis of Reciprocal Human-Ocean Relationships Across Oceans", 22 February 2024.

- Mibu Fischer, "Indigenous ontologies and climate knowledge systems", 13 September 2024.
- 7. **Natalia de Miranda Grilli**, "Reducing plastic waste through a just circular economy: from global to local approaches", 7 June 2024.
- **8. Renee Melkert**, "Undercurrents of decision support tools", 16 October 2024.
- **9. Vaibhavi Dwivedi**, "Governance solutions to plastic pollution in Antarctica and the Southern Ocean", 15 April 2024.



Andrew Sullivan



Brigette Wright



Gage Clawson



Kathryn Deyell



Kianna Gallagher



Mibu Fischer



Natalia de Miranda Grilli



Renee Melkert



Vaibhavi Dwivedi

WORKSHOPS

- 1. **Church E**. Organised the Expert Workshop identifying Great Southern Reef Pressures with the Great Southern Reef Research Partnership, August 2024.
- 2. **Church E**. Organised the Expert Workshop on systems thinking and behaviour identification with the Great Southern Reef Research Partnership, October 2024.
- 3. Clawson G. "Aquatic Resource Trade in Species Exchange", 31 July 2024.
- **4. Dove OE**. "An introduction to science communication" workshop delivered in-person at the Australasian Cytometry Society 2024 Conference, Hobart, Tasmania, October 2024.
- **5. Pecl GT**. Invited guest presenter and organiser for an Early Career Mentoring Workshop, University of Alaska, Juneau, Alaska, 19 April 2024.
- **6. Shum E**, Steven A, Canedo Apolaya R, **Dove OE**. Attended the workshop "Turning the tide: Empowering Action for Marine Conservation through Climate Communication", August 2024.
- 7. Spillias S. Organised the "AI Ecosystem Modelling Workshop", 28 June 2024.
- 8. Subramaniam RCS, Boschetti F, Plaganyi E, Schrobback P & Melbourne-Thomas J. CSIRO-IFREMER lobster supply chain workshop, 17 May 2024.



Image: Roshni Subramaniam during the "CSIRO Tropical Rock Lobster (kaiar) Supply Chain Workshop" 6 June 2024, Thursday Island, Torres Strait. Group photo with participants and colleagues Laura Blamey and Torres Webb who helped to facilitate the workshop. Image credit: Roshni Subramaniam



Image: Mary Mackay (centre left) facilitating group work during the "Regional Training on Marine Litter Monitoring: Advancing Data Analysis" workshop with the Coordinating Body on the Seas of East Asia (COBSEA), held in Thailand, September 2024. Mary co-lead the workshop with CSIRO colleagues Kathy Willis and Steph Brodie. Image credit: Kathy Willis

- 9. Subramaniam RCS, Blamey L, Webb T, Plaganyi E & Melbourne-Thomas J. Organised and hosted CSIRO Tropical rock lobster (kaiar) supply workshop on Thursday Island (Torres Strait) with support from AFMA and the Torres Strait Regional Authority, 6 June 2024.
- **10. Testoni M** & **Audzijonyte A**. Organised the AMSA-NZMSS pre-conference workshop "Enhancing marine literacy and sustainable recreational fishing practices through a card game", Hobart, Tasmania, 15 September 2024.
- 11. Willis K, Mackay M & Brodie S. Hosted and facilitated the "Regional Training on Marine Litter Monitoring: Advancing data analysis" workshop for the UN Coordinating Body on the Seas of East Asia (COBSEA), Bangkok, Thailand, 15-17 September 2024.
- **12. Willis K** & **Mackay M**. Hosted and facilitated the "Calabarzon regional training on marine litter monitoring and baseline assessment" workshop for the Department of Environment and Natural Resources, Philippines Government, Batangas, Philippines, 18-29 February 2024

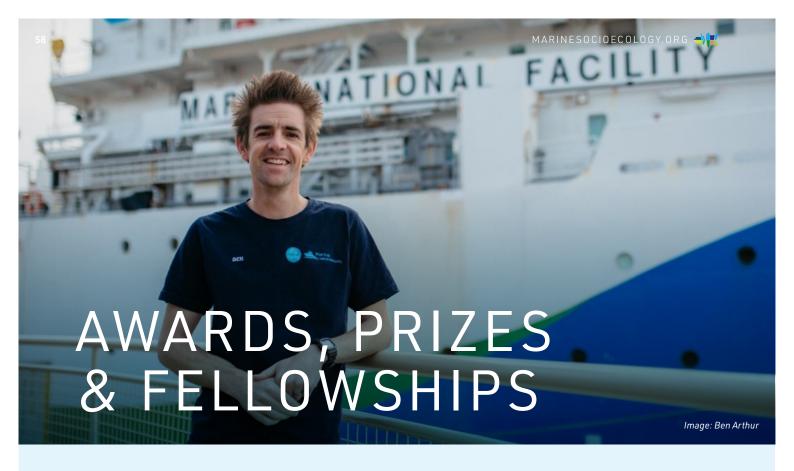


Image: Kathy Willis and Mary Mackay during the "Calabarzon regional training on marine litter monitoring and baseline assessment" workshop for the Department of Environment and Natural Resources, Philippines Government, held in Batangas, Philippines, 18-29 February 2024. Group photo of training participants with Kathy and Mary. Image credit: Kathy Willis



Image: Mary Mackay helping workshop participants learn the monitoring protocol, Matabungkay Beach, Lian, Philippines. Image credit: Kathy Willis





- 1. Ben Arthur, was awarded Tasmanian STEM Communicator of the Year award at the 2024 Tasmanian STEM Excellence Awards for delivering creative STEM storytelling from the classroom to the boardroom to engage people across Australia on a wide range of marine issues. https://marinesocioecology.org/dr-ben-arthur-receives-tasmanian-stem-communicator-of-the-year-award/
- 2. Olly Dove, was awarded 2024 Heather & Christopher Chong Community Service & Volunteering Award at the Tasmania Young Achiever Awards. https://marinesocioecology.org/congratulations-cms-student-olly-dove-tasmanian-young-achiever-award-winner/
- **3. Mibu Fischer**, was awarded the Student Prize at the 2024 AMSA Conference.
- 4. Dean Greeno, was the winner of the People's Choice Award at the 2024 Telstra National Aboriginal & Torres Strait Islander Art Awards the country's most prestigious First Nations art award. Dean's placing artwork was a paperbark, reed, plywood and driftwood sculptural piece called tunapri milaythina muka, which in English means to know sea country through making, is his view of his cultural heritage. https://marinesocioecology.org/cms-member-dean-greeno-wins-telstra-natsiaa-peoples-choice-award/

5. Gabi Mocatta, was awarded the Fulbright
Tasmania Scholarship 2024, funded by the
University of Tasmania and the Tasmanian
Government. Gabi was hosted by the Centre
for Climate Change Communication at George
Mason University in Fairfax, Virginia, where she
worked on a case study to better understand
health systems' and communities' climate-health
information needs. https://www.fulbright.org.
au/2024-alumni/#Dr-gabi-mocatta



Image: Dean Greeno with his winning artwork tunapri milaythina muka, To know Sea Country through making. Image credit: Dean Greeno

- **6. Gretta Pecl**, was recognised in the King's Birthday 2024 Honours List, being appointed as a Member of the Order of Australia (AM) for her significant service to science, particularly ecological research, and to tertiary education. The Order of Australia recognises Australians who have demonstrated outstanding service of exceptional achievements. The Investiture Ceremony was held at the Tasmanian Government House in September 2024https:// marinesocioecology.org/cms-directorprof-gretta-pecl-recognised-in-the-kingsbirthday-2024-honours-list/
- 7. Gretta Pecl, won the University of Queensland's 2024 Faculty of Medicine Award for 'Spirit of Reconciliation', as part of a University of Queensland-led team of Aboriginal, Torres Strait Islander, and non-Indigenous scholars commissioned by the Australian Government to prioritise Indigenous voices in climate change, particularly for future IPCC reports. https:// marinesocioecology.org/ipcc-voices-researchteam-wins-spirit-of-reconciliation-2024award/



Image: Prof Gretta Pecl (AM) and Her Excellency the Honourable Barbara Baker (AC) at the Investiture Ceremony at Government House on 6th September 2024. Image credit: Government House



UNIVERSITY OF TASMANIA AWARDS

- 1. Asta Audzijonyte, Teaching Merit Certificate, University of Tasmania
- 2. Stuart Corney, 25 Years Service Award, Vice-Chancellor's Research Awards, University of Tasmania
- 3. Olly Dove, IMAS Prize for the most inspiring PhD journey, 2024 IMAS HDR Prizes, University of Tasmania
- **4. Linda Hunt**, Student Focus Award, University of Tasmania
- **5.** Valeriya Komyakova, Teaching Merit Certificate, University of Tasmania
- 6. Elizabeth Leane, Research Excellence Medal, Vice-Chancellor's Research Awards, University of Tasmania
- 7. Beth Strain, Teaching Merit Certificate, University of Tasmania
- Beth Strain, Community engagement award, University of Tasmania
- 9. Joanna Vince, 25 Years Service Award, Vice-Chancellor's Research Awards, University of Tasmania







FUNDING & SCHOLARSHIPS

ARC DISCOVERY GRANTS



McCormack PC. "Preparing Australia for a fiery future: Five strategies to guide law reform", ARC DECRA 2025 round 1, \$482,990.



Lucas C. "Helping Citizens Share Responsibility for Democratic Climate Adaptation", ARC DECRA 2025 round 1, \$487,736.



McDonald J. "Charting the legal seascape for marine carbon dioxide removal in Australia", ARC Discovery Projects 2025 round 1, \$431,402.

OTHER OUTPUTS & ACHIEVEMENTS

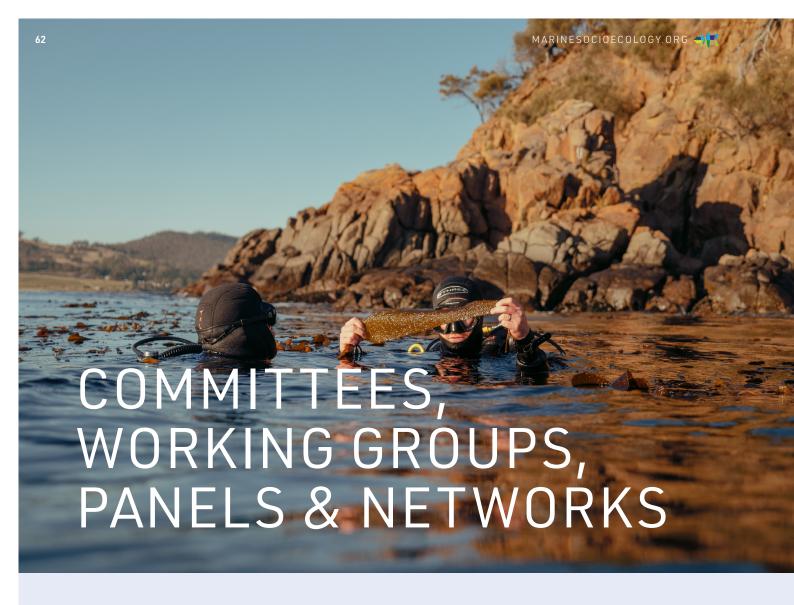
PROMOTIONS

University of Tasmania Academic Promotions 2024 - Round 1

- **Stuart Corney** was promoted to Level D.
- **Chloe Lucas** was promoted to Level C.

University of Tasmania Academic Promotions 2024 - Round 2

- Vanessa Adams was promoted to Level E.
- **Jeffrey McGee** was promoted to Level E.
- **Emily Ogier** was promoted to Level D.
- **Katherine Cresswell** was promoted to Level C.
- **Rachel Kelly** was promoted to Level C.
- Valeriya Komyakova was promoted to Level C.



- **Audzijonyte A**. ICES working group on recreational fishing surveys.
- **Bax N**. Deep Ocean Stewardship Initiative (DOSI) advisory board.
- **Bax N**. Global Ocean Observing System (GOOS) BioEco panel and Coral Essential Ocean Variable co-lead.
- **Blanchard JL** & **Novaglio C**. Fisheries and Marine Ecosystem Model intercomparison Project (FishMIP) Future of Fisheries and Marine Ecosystems, United Nations Ocean Decade Programme
- **Church E**. Served as CMS ECR Coordinator, 2024.
- **Church E**. Co-founder and coordinator the UN ECOP Australia & New Zealand Node (2024). Connecting early-career professionals with UN Ocean Decade initiatives.
- **Evans K**. Intergovernmental Panel on Climate Change 61st Session United Nations Division of Ocean Affairs and Law of the Sea delegation.
- **Evans K**. Scientific Steering Committee, second UN Decade of Ocean Science for Sustainable Development conference.
- **Evans K**. Co-chair, Global Ocean Observing System Biology and Ecosystems Panel.
- **Evans K.** Informal Expert Panel, UN Decade of Ocean Science for Sustainable Development.
- **Evans K**. World Meteorological Organisation Task Team on Climate and Fisheries.
- **Evans K**. Steering Committee Offshore Renewable Energy projects, National Environment Science Program Marine and Coastal Hub.
- **Evans K**. Steering Committee, Ocean Knowledge Action Network.

- **Evans K**. Joint Coordinator, Group of Experts for the third Regular Process for global reporting and assessment of the state of the marine environment, including socioeconomic aspects.
- Fulton EA, van Putten IE & Dutra LXC. Scientific Working Group on 'Benchmarks for Ecosystem Assessment'.
- **Fulton EA**. Advisory Committee for the Working Group on 'Benchmarks for Ecosystem Assessment'.
- Fulton EA. Executive Committee of NITRO Oceania 2021 (President 2024).
- Fulton EA. Great Barrier Reef Independent Expert Panel.
- Fulton EA. Independent Marine Science Review Panel Eyre Peninsula Desalination Plant.
- **Fulton EA**. International Energy Agency Offshore Energy Systems Environmental Working Group.
- **Fulton EA**. Queensland Sustainable Fisheries Expert Panel.
- **Grilli NM**. Steering Committee, Scientists' Coalition for an Effect Plastic Treaty.
- **Gurney G**. Co-chair, Society for Conservation Biology International Congress for Conservation Biology Diversity, Equity, Inclusion and Justice Committee.
- **Gurney G.** Participant, Blue Justice, CESAB, Montpellier, France.
- **Gurney G.** Steering Committee, Marine Other Effective Conservation Measures, University of Oregon.
- **Melbourne-Thomas J**. Integrated Marine Biosphere Research (IMBeR) Scientific Steering Committee member.
- Melbourne-Thomas J. Patron for National Science Week, Tasmania.
- **Pecl GT** (co-lead), **Ogier EM**, **Gurney G**, Sullivan A & **Layton C**, SNAPP Working Group (Science for Nature and People Partnership) https://snappartnership.net/teams/governing-changing-oceans/
- **Pecl GT**, Councillor with the Australian Biodiversity Council.
- Pect GT, CORDIO Advisory Board. Coastal Oceans Research and Development in the Indian Ocean (CORDIO) East Africa leads non-governmental research and conservation organization based in Mombasa, Kenya, dedicated to marine and coastal ecosystems in the Western Indian Ocean (WIO). They work to synergize marine scientific research with conservation policy and practice on a regional scale. https://cordioea.net/
- **Pecl GT**, Honorary member of the Indigenous Peoples' and Community Conserved Territories and Areas Consortium (ICCAs); ICCA promotes appropriate recognition of, and support to, the territories and areas conserved by Indigenous and local communities.
- **Pecl GT**, Lenfest funded working group: Enhancing adaptive capacity assessment in US fisheries decision making: Identifying barriers and ways to overcome them.
- **Pecl GT**, Global redistribution of biodiversity: a macro and eco evolutionary approach to understand species vulnerability to global changes (BIOSHIFTS), CESAB working group.
- **Pecl GT** and **van Putten IE**, Advisory Board of "ACTNOW, Advancing understanding of Cumulative Impacts on European marine biodiversity, ecosystem functions and services for human wellbeing", funded by the European Union's Horizon Europe Research and Innovation Programme.
- **Strain EM**. National handfish recovery team.
- **Trebilco R**. Vice-chair and Scientific Steering Committee member, Integrated Marine Biosphere Research (IMBeR).
- **Trebilco R**. Member, marine expert, on the Biodiversity Assessment Expert Reference Group for Australia's Nature Repair Market, Australia.
- Trebilco R. Member (councillor for Tasmania) on the Australian Marine Science Association national council.

PUBLIC OUTREACH



PUBLIC PRESENTATIONS & EVENTS

- **Audzijonyte A** & Testoni M. "Big Fish" Festival of Bright Ideas booth and workshop, Hobart, Tasmania, 23-24 August 2024.
- **Audzijonyte A**, Testoni M, **Lucas C** & Chuah S. Produced and panel members Gamification in STEM panel night, Hobart, Tasmania, 10 October 2024.
- Bennett S. Panellist in "Balancing nature and innovation: Adaptation and mitigation strategies for a changing climate" public, stakeholder engagement workshop as part of Masters in Marine Science unit KSA726 (organised by Valeriya Komyakova) 22 October 2024.
- **Boulot E**. "Environmental law", Future Science Talks: Comedy Edition, Hobart, Tasmania, 22 June 2024.
- **Brown C**. "Reefs", Future Science Talks: Comedy Edition, Hobart, Tasmania, 24 June 2024.
- Church E. "Reefs", Future Science Talks: Comedy Edition, Hobart, Tasmania, 22 June 2024.
- Church E, Bennet S & Testoni M. Panellist members for BOTES film night featuring films and research on the Great Southern Reef, Hobart, Tasmania, 4 October 2024.
- **Dove OE**. "Birds", Future Science Talks: Comedy Edition, Hobart, Tasmania, 24 June 2024.
- **Dove OE**. "Transit Across the G.A.B.", (short documentary film), Beaker Street Festival, Hobart, Tasmania, 8 August 2024.
- Fisher M & Condie C. Panellist in "Conflicting perspectives on the access to marine resources in Tasmania" public, stakeholder engagement workshop as part of Masters in Marine Science unit KSA726 (organised by Valeriya Komyakova), 21 October 2024.



Image: Festival of Bright Ideas Big Fish workshop with Freddie Heather, Matt Testoni, Olivia Cornes, Alexandra Johne, Amy Coughlan and Sarah Willington. Image credit: Hinton D



Image: Festival of Bright Ideas, Big Fish Card Game event with Asta Audzijonyte and Matt Testoni. Credit: Gibbons T.



Image: Big Fish Card Game Kickstarter Launch. Image credit: Matthew Testoni

- **Green M**. "Vaginal Vignettes: Sex in the Animal Kingdom", Beaker Street Festival, Hobart, Tasmania, 9 & 10 August 2024.
- **Greeno D**. Panellist in "Under the radar and underwater: Shining a spotlight on the overlooked marine habitats at risk" public, stakeholder engagement workshop as part of Masters in Marine Science unit KSA726 (organised by **Valeriya Komyakova**), 25 October 2024.
- **Melbourne-Thomas J**. "Antarctic Wildlife: Skating on Thin Ice", UTAS Island of Ideas public talk series, Hobart, Tasmania, and online, 13 August 2024.
- **Pecl GT**. "Reframing the climate conversation through an indigenous lens", Beaker Street Festival, Hobart, Tasmania, 8 August 2024.
- Pecl GT, "Global redistribution of life and earth", University of Alaska, Juneau, Alaska, 19 April 2024.
- **Pecl GT**, "Challenges of interdisciplinary research", CSIRO, Hobart, Tasmania, March 2024.
- **Pecl GT** & **Lea MA**. Panellists at the "Whale Nation" film screening at State Cinema North Hobart, Tasmania, 18 February 2024. https://good.film/whalenation
- Spillias S. "Al & mapping oceans", Future Science Talks: Comedy Edition, Hobart, Tasmania, 22 June 2024.
- **Strain EMA**. "Live or die: choosing which species survive", Beer Aquatic, Hobart, Tasmania, 25 July 2024.
- **Strain EMA**. "Science and endangered species" Pecha Kucha, Hobart, Tasmania, 2024.
- **Strain EMA** & **Bennet S**, panellists in "Habitat restoration", Masters in Marine Science unit KSA726 (organised by Valeriya Komyakova), October 2024.
- Sullivan A. "Climate change agreements", Future Science Talks: Comedy Edition, Hobart, Tasmania, 24 June 2024.
- **Testoni M** & **Audzijonyte A**. Ran a successful crowdfunding campaign (\$22K) to support a novel educational game on marine literacy and sustainable fishing "The Big Fish". https://bigfishcardgame.com
- Pecl GT. Panellist in "When things go south managing rock lobster populations in a climate hotspot" public, stakeholder engagement workshop as part of Masters in Marine Science unit KSA726 (organised by Valeriya Komyakova), 23 October 2024.

PODCASTS

- Madeline Green in "Episode 54 Sharks with Madi Green", Seacreatures Podcast, 31 August 2024. Listen here: https://open.spotify.com/episode/3Nht6qwaJ2r9Y0LqVveRm6?si=e787f6d160c44cf3
- Gretta Pecl in "Episode 51 Squid with Gretta Pecl", Seacreatures Podcast, 31 May 2024. Listen here: https://open.spotify.com/episode/45kodFSqw 24prg2DLvoXvQ?si=2iTdY007RR-LeBM9I6yhQQ
- Gretta Pecl in "Professor Gretta Pecl IPCC Working Group II's Report on Impacts, Adaptation & Vulnerability", Lentil Intervention Podcast, 23 May 2024.

 Listen here: https://www.youtube.com/watch?v=ggx_jQjD_Lc
- Edith Shum (interviewed by Olly Dove) in "Episode 256: Turtles, Seabirds, and Connection to Place", That's What I Call Science, 6th October 2024. Listen here: https://thatsscience.org/2024/10/06/episode-256-turtles-seabirds-and-connection-to-place/
- Matt Testoni produced 9 episodes of Seacreatures podcast. Two episodes featured Gretta Pecl and Madi Green.
 Listen here: https://open.spotify.com/
 show/6Vjymm5kXdlZZ088mSKDhQ



Image: Edith Shum interviewed on 'That's What I Call Science' podcast. Image credit: That's What I Call Science



Image: Seacreatures podcast by Matthew Testoni. Image credit: Matthew Testoni

MEDIA

- Asta Audzijonyte was interviewed by ABC Radio Tasmanian Country Hour and Yahoo News on the Big Fish card game (https://bigfishcardgame.com/) which educates players on sustainable fishing and ocean literacy. ABC Radio (skip to minute 10): https://www.abc.net.au/listen/programs/tas-country-hour/tasmanian-country-hour/104346534?utm_content=link&utm_medium=content_shared 18 September 2024. Yahoo News: https://au.news.yahoo.com/hunt-for-worlds-last-giant-fish-as-researchers-find-clues-in-ancient-photographs-012947944.html 17 September 2024.
- Narissa Bax in Habitat Mapping Story Map. https://storymaps.arcgis.com/stories/f453ff55688747509bf9adda989df110
- **Julia Blanchard** was interviewed by Dialogue Earth. https://dialogue.earth/en/ocean/fish-face-vast-decline-if-emissions-are-not-reduced/
- Cayne Layton was featured in article "Tasmanian giant kelpwere dying hat happened next?", Cosmos Magazine, 5 February 2024. https://cosmosmagazine.com/news/kelp-were-dying-what-happened-next/
- **Chloe Lucas** & **Claire Konkes** started the Curious Climate newspaper column.
- **Gretta Pecl** was featured in One Earth article titled "Five women scientists working to save the world", 20 February 2024. https://www.oneearth.org/five-women-scientists-working-to-save-the-world/
- **Gretta Pecl** was featured in article "Seafood industry tackled climate change and regulations", The Examiner, 6 March 2024. https://www.examiner.com.au/story/8546661/seafood-industry-tackles-climate-change-and-regulations/

- Gretta Pecl was featured in article "Climate and regulation weighing down seafood industry", Kyabram Free Pass, 6
 March 2024. https://www.kyfreepress.com.au/national/climate-and-regulation-weighing-down-seafood-industry/
- Gretta Pecl was interviewed by ABC Radio about how scientists are worried about high ocean temperatures, 11 March 2024. https://www.abc.net.au/listen/programs/pm/scientists-worried-about-high-ocean-temperatures/103574542
- Gretta Pecl was featured in article "Global temperatures to rise at least 2.5 degrees this century, with catastrophic results, leading scientists to predict", The Irish Times, 8 May 2024. https://www.irishtimes.com/environment/climate-crisis/2024/05/08/leading-climate-scientists-expect-global-temperatures-to-rise-at-least-25-degrees-this-century/
- **Gretta Pecl** was interviewed by *ABC Hobart Radio* and *Win News* about being recognised on the King's Birthday 2024 Honours List, 10 June 2024.
- **Gretta Pecl** adjournment speech for King's Birthday 2024 Honours List and Member of the Order of Australia (AM) award, 13 June 2024. https://tasgreensmps.org/parliament/professor-gretta-pecl/
- **Gretta Pecl** was interviewed for a feature article in TASWEEKEND magazine in The Mercury newspaper, titled "Tassie acion on climate change blows Professor's mind", 31 August 1 September 2024.
- Gretta Pecl was featured in a Q&A session with the Marine Stewardship Council (MSC) during Seafood Directions 2024. The article and video interviews were featured 14 October 2024. https://www.msc.org/en-au/media-centre-anz/news-views/news/2024/10/14/in-conversation-with-professor-gretta-pecl-am
- Gretta Pecl was interviewed by 3CR Community Radio about "Marine Species on the Move", 29 November 2024. https://www.3cr.org.au/climateaction/episode/deep-sea-mining-2025-critical-year-pacific-marine-species-move#:~:text=A%20critical%20decision%20on%20the,mining%20to%20protect%20 our%20oceans.
- **Gretta Pecl**, **Beth Fulton** & **Alistair Hobday** featured in an FRDC article called "Cooling down' the impacts of climate change", 21 February 2024. https://www.frdc.com.au/cooling-down-impacts-climate-change
- **Edith Shum** was interviewed by *ABC Hobart- Tasmania Afternoons* about her PhD project and survey: Connection to Species on Bruny Island, 21 April 2024.
- **Edith Shum** was interviewed by *ABC Hobart- Tasmania Afternoons* about the results from the survey and what's next for: Connection to Species on Bruny Island, 1 May 2024.
- **Matthew Testoni** Interviewed on ABC live radio breakfast program about "Big Fish", 4 September 2024.



VISITORS

Lucie Neale (Beaux arts de Paris) was hosted by Gretta Pecl and Beth Fulton in February 2024. Lucie is a fourth-year Fine Art student specialising in sculpture, who visited CMS on a mobility program.



Francisco Bravo (Universidad Adolfo Ibanez) was hosted by Myriam Lacharité in October 2024. Francisco is based in Chile, whose research supports the sustainable management of marine resources, in particular with aquaculture development in Chile. franciscobravoresearch.com



Kirsten Maclean (CSIRO) was hosted by Jess Melbourne-Thomas in July 2024. Kirsten is based in Brisbane, leading work on co-producing knowledge and governance of complex social ecological systems undergoing change. people.csiro.au/M/K/Kirsten-Maclean



Jessica Blythe (Brock University) was hosted by Kirsty Nash from November 2024 to February 2025. Jessica is a human geographer based in Canada, whose research explores how various groups of people experience social-ecological change and what explains their differential capacities to

respond. brocku.ca/esrc/jessica-blythe/



Lucía Espasandín Soneira (Department of Marine Renewable Resources, Institute of Marine Sciences (ICM-CSIC)) was hosted by Gretta Pecl in September 2024 to December 2024. Lucía is a PhD student based in Spain, who is researching "integrated knowledge of climate change effects in a climate change hotspot".



Cassandra Brooks (University of Colorado Boulder) was hosted by Gretta Pecl in October 2024. cassandrabrooks.com

CMS EVENTS



The CMS held our annual showcase event in Hobart/Nipaluna on 28th October 2024, with over 160 people in attendance from over 40 organisations, ranging from our members and students, to government representatives, industry representatives, researchers, and traditional owners and custodians.

The CMS Showcase 2024 event was structured around a series of panels with researchers, government, industry representatives and traditional owners (i.e. allowing participants to shape discussion and agendas), short presentation sessions from our interdisciplinary researchers (i.e. brief overview of the current/future CMS work and research), as well as interactive workshopping focused on identifying risks, opportunities and critical marine issues for the years ahead. The day created opportunities for open dialogue and Q & A throughout the day, generating fruitful discussions and allow for important networking and collaborative relationships.

Read more here: https://marinesocioecology.org/cms-showcase-2024-building-connections-and-collaboration-for-sustainable-ocean-management/

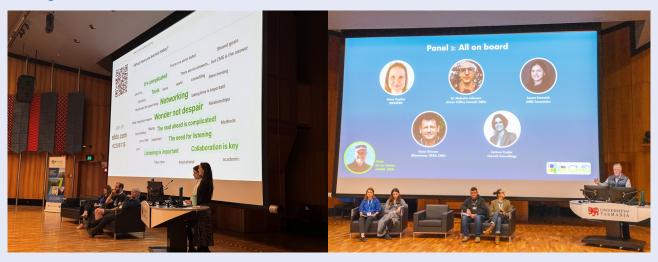


Image: CMS Showcase 2024 audience. Image credit: Wild Productions and Designs



Image: CMS Showcase 2024 Session 2: Firepit Yarn about Sea Country (with Dean Greeno and Dr Beth Fulton). Image credit: Wild Productions and Designs

CMS Showcase 2024: Building Connections and Collaboration for Sustainable Ocean Management (cont.)



CMS Showcase 2024 interactive Slido asking audience members to submit their answers in real-time to the question "What have you learned today?" (Session: Summary and Reflections on the day) reflections on the day. Image credit: Hannah Fogarty

Image: CMS Showcase 2024 panel members (Panel 2: All on Board). Image credit: Wild Productions and Designs

CMS Day

The CMS held two internal "CMS Days" this year (20 March 2024 & 17 July 2024), which included presentations from CMS members, CMS Student and ECR pitch funding, and presentations from Karen Evans and Rebecca Zitoun (IMOS at UTAS) on the Ocean Decade.

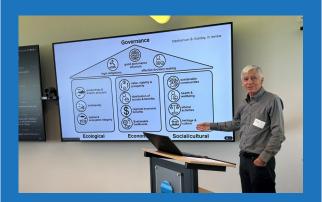


Image: Dr Robert Stephenson presenting at CMS Day on 20 March 2024, Taroona, Tasmania. Image credit: Hannah Fogarty

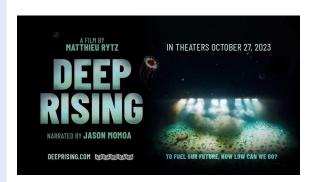


Image: Deep Rising film

'Deep Rising' Film Screening

CMS and UTAS Law School co-hosted a film screening and group discussion of 'Deep Rising', a 93-minute film directed by the Canadian filmmaker Matthieu Rytz, is a call to action to protect the oceans, including animals deep below. Narrated by the Aquaman actor Jason Momoa.

deeprising.com

CMS AI Club, chaired by Scott Spillias, held five times in 2024.

Tasmanian Marine Science Engagement and Extension Group meetings, chaired by Rachel Kelly, convened three times in 2024.

CMS ECR meetings, convened by Emma Church and Scott Spillias, held eight times in 2024.

CMS Seminar Series Presentations

- Emma Church (IMAS & CMS), "The Ocean and Me: A Personal Dive into Marine Socioecology", CMS Seminar Series, convened by Rachel Kelly & Gretta Pecl, IMAS Salamanca, Hobart, Tasmania, 6 March 2024.
- Emille Boulot (UTAS & CMS), "The role of the state, regulatory institutions and regulation in the management of socio-ecological systems", CMS Seminar Series, convened by Emma Church & Scott Spillias, IMAS Salamanca, Hobart, Tasmania, 18 April 2024.
- Regina Weiss (Derwent & Tamar Chambers),
 "A discussion on the inclusion of the crime
 of Ecocide in the Rome Statute of the
 International Criminal Court", convened by
 Rachel Kelly & Gretta Pecl, IMAS Salamanca,
 Hobart, Tasmania, 2 May 2024. https://
 marinesocioecology.org/cms-seminar-adiscussion-on-the-inclusion-of-the-crimeof-ecocide-in-the-rome-statute-of-theinternational-criminal-court/
- Kerrie Foxwell-Norton (Griffith University), "All the Colours of the Rainbow? Monochrome Reef Research and the Hues of the Humanities, Arts and Social Sciences", convened by Rachel Kelly & Gretta Pecl, IMAS Salamanca, Hobart, Tasmania, 7 May 2024.



Image: Slide from seminar presentation by Kerrie Foxwell-Norton.

Frank Sperling (CSIRO), "Australian agriculture in a dynamic world: An exploratory overview of Ag2050 scenario narratives", convened by Rachel Kelly & Gretta Pecl, IMAS Salamanca, Hobart, Tasmania, 28 May 2024.

- David Maynard (FRDC), "FRDC 101", convened by Rachel Kelly & Gretta Pecl, IMAS Salamanca, Hobart, Tasmania, 29 May 2024.
- Danilo Urzedo (CSIRO), "Decolonising Al-driven conversation expertise", convened by Rachel Kelly & Gretta Pecl, IMAS Salamanca, Hobart, Tasmania, 2 July 2024. Read more here



Image: Slide from webinar presentation by Danilo Urzedo.

- Jessica Ericson (Cawthron Institute & CMS), "Protect, connect, diversify and grow: Four pillars to support shellfish aquaculture in New Zealand and beyond", convened by Emma Church & Scott Spillias, IMAS Salamanca, Hobart, Tasmania, 1 August 2024.
- Francisco Bravo (Universidad Adolfo Ibanez, Santiago, Chile), "Monitoring and Managing Coastal Areas: Challenges and Evidence-Based Solutions", convened by **Emma Church** & **Scott Spillias**, IMAS Salamanca, Hobart, Tasmania, 3 October 2024.
- Scott Spillias (CSIRO & CMS), Raphaëla le Gouvello (STERMOR) & Heidi Alleway (The Nature Conservancy), "Regenerative Blue Economy – Aquaculture in Focus", convened by Scott Spillias, CSIRO, Hobart, Tasmania, 5 September 2024.
- Brianna le Busque (University of South Australia & CMS), "Applying Psychological Principles to Marine Science", convened by Emma Church & Scott Spillias, IMAS Salamanca, Hobart, Tasmania, 17 October 2024.

- Scott Spillias (CSIRO & CMS), "Al for the Modern Socioecologist", convened by Emma Church & Scott Spillias, IMAS Salamanca, Hobart, Tasmania, 22 November 2024.
- Natalia de Miranda Grilli (UTAS & CMS), "The perspective of the ocean governance scientist, in which I could approach possible outcomes of the treaty to ocean policies", convened by Emma Church & Scott Spillias, IMAS Salamanca, Hobart, Tasmania, 12 December 2024.



Image: Slide from seminar presentation by Scott Spillias.

Training Sessions and Workshops

AI-Ecosystem Modelling Workshop

CMS co-hosted an "AI-Ecosystem Modelling Workshop", facilitated by **Scott Spillias** in June 2024. The workshop convened a diverse group of experts, including teams from various CSIRO business units, alongside researchers from the University of Tasmania, Queensland University of Technology, the University of Queensland and others. The event aimed to address the evolving role of artificial intelligence in socio-ecological modelling and to prepare the community for the changes and opportunities that are on the horizon with the advancement of AI technologies.

Read more here: https://marinesocioecology.org/ai-ecosystem-modelling-workshop-june-2024/



Image: Participants at the AI-Ecosystem Modelling Workshop in June 2024, co-hosted by CMS.

Image: Word cloud from the climate distress workshop delivered by Karen Grant.

CMS Climate Distress Workshop

Karen Grant (Outdoor Counselling) delivered a one-day workshop for CMS titled "How do we live our best life, knowing what we know?", held on 22 October 2024 at Taroona Beach foreshore part. The workshop was specifically targeted at researchers working on challenging issues like climate change and biodiversity loss. It was about unpacking and understanding feelings of eco/climate distress and finding ways to live our best life even though we sometimes work on stressful and potentially overwhelming issues.

Read more here: https://marinesocioecology. org/Events/cms-climate-distress-workshopwith-karen-grant/

CMS Research Culture workshop "Embracing failure" Convened by Emma Church & Scott Spillias as part of CMS Showcase in October 2024.

"Turning the tide: Empowering Action for Marine Conservation through Climate Communication" AMSA-NZMSS 2024 Workshop

This workshop was attended by four CMS students at AMSA-NZMSS 2024 conference, Hobart, Tasmania, 15 September 2024.

This workshop drew on lessons and learnings from communicating for community climate action on the Great Barrier Reef. Leveraging scientific insights into effective communication strategies, participants were guided through a process to explore ways to craft messages that motivate diverse audiences to become champions for ocean and reef conservation.

Read more here: https://amsa-2024.p.asnevents.com.au/days/2024-09-15/abstract/103889



Science for Storytellers Workshop with Sonia Shah

Two CMS students attended this workshop online, 16 May 2024. Tap into the insight of a wide range of scientific and technical fields to enrich your writing on personal experience, nature, politics, climate, race, history and more.

Read more here: https://soniashah.com/event/workshop-leader-science-for-storytellers-2/

CMS Sponsored Events & Fundraising

Australian Marine Sciences Association (AMSA), CMS co-sponsored the "Climate Distress Panel" held during AMSA-NZMSS 2024 conference, held in Hobart, Tasmania, 17 September 2024.



Beaker Street Festival, CMS sponsored the Auslan interpreter at the panel discussion "Reframing the climate conversation through an Indigenous lens", CSIRO, Hobart, Tasmania, 8 August 2024.



Reconciliation Tasmania, three CMS members attended the National Reconciliation Week Breakfast, 31 May 2024.



Women in Seafood Australasia (WISA)
Power Up Breakfast at Seafood Directions,
CMS co-sponsored this event, Hobart,
Tasmania, 12 September 2024.



Women in Seafood Australasia (WISA) & Seafood Industry Tasmania (SIT) Stay Afloat Gala, three CMS members attended this networking event for people working in the seafood industry, promoting metal health and wellbeing in Tasmania's fishers, their families, and their communities, Hobart, Tasmania, 7 July 2024. https://sit.org.au/stayafloattasmaniagala-2024/





Great Southern Reef Foundation, CMS raised funds for the Great Southern Reef Foundation at the AMSA-NZMSS 2024 Mini Market at the Welcome Function, selling Southern Sirens Skincare, September 2024.





Image: Southern Sirens Skincare range, sold at the AMSA-NZMSS 2024 Mini Market to raise money for the Great Southern Reef Foundation. Image credit: Hannah Fogarty

GRADUATED STUDENTS



Olly Dove, PhD: "The interspecific variation in foraging strategies between two seabird species breeding sympatrically in southeast Tasmania"; Supervisors Prof Mary-Anne Lea (IMAS/CMS), Prof Mark Hindell (IMAS), Dr Julie McInnes (IMAS/AAD).



Linda Hunt, PhD: "News, Science and Politics on the Icy Continent: The mediated construction of the Australian Antarctic Territory"; Supervisors Prof Libby Lester (UTAS, CMS), Dr Kathleen Williams (UTAS), Prof Marcus Haward (UTAS/CMS).



Denis Karcher, PhD: "Connecting environmental research with policy and practice: Lessons from science-policy 'bright-spots'"; Supervisors Dr Chris Cvitanovic (ANU/CMS), Adjunct Prof Ingrid van Putten (CSIRO/UTAS/CMS), Dr Rebecca Colvin (ANU), Dr Will Grant (ANU).



Malcolm Johnson, PhD: "Changing Coastalscapes: Advancing methods to support local climate adaptation"; Supervisors Prof Vanessa Adams (UTAS, CMS) and Prof Jason Byrne (UTAS).



Tormey Reimer, PhD: "Clarifying and Optimising the Environmental Benefits of Integrated Multi-trophic Aquaculture"; Supervisors Dr Karen Alexander (Heriot-Watt University/CMS), Mr Scott Hadley (UTAS), Prof Catriona MacLeod (IMAS/CMS), Dr Karen Wild-Allen (CSIRO).

SUBMITTED THESES



Anne Boothroyd title: "Conservation planning in Areas Beyond National Jurisdiction: Optimal design and management for Antarctic Marine Protected Areas"; Supervisors: Professor Vanessa Adams (School of Geography, Planning and Spatial Sciences), Dr Nicole Hill (Institute of Marine and Antarctic Sciences), Dr Karen Alexander (International Centre for Island Technology, Heriot-Watt University, Stromness, Scotland).



Angus Henderson title: "Estimating abundance for baleen whales with management and ecosystem implications"; Supervisors: Prof Mary-Anne Lea (IMAS/CMS), Dr Nat Kelly (AAD), Prof Mark Hindell (IMAS), Prof Mary-Anne Lea (IMAS/CMS), Dr Simon Wotherspoon (IMAS), Dr Martin Biuw (Institute of Marine Fisheries, Norway) & Dr Andy Lowther (Norwegian Polar Institute).



Emma Church (approved through UQ), title: "Connecting communities to act for nature: the role of social capital in enabling stewardship behaviours". PhD Thesis, School of the Environment, The University of Queensland. Advisors: Dr Angela Dean (UQ), Prof Kerrie Wilson (QUT).



Sierra Ison title: "Actor engagement in complex marine conservation initiatives: Identifying tools and strategies to support research and practice"; Supervisors: Prof Gretta Pecl (IMAS/CMS), Adjunct Prof Ingrid van Putten (CSIRO/CMS), Dr Alistair Hobday (CSIRO/CMS), Dr Chris Cvitanovic (UNSW/CMS).



Dimuthu Jayakody (approved), title: "The 'Role of Place' in Adapting to Climate Change Impacts on Marine and Coastal Ecosystems in the East Coast of Tasmania"; supervisors Assoc Prof Vanessa Adams (UTAS/CMS), Prof Gretta Pecl (IMAS/CMS), Prof Elizabeth Lester (UTAS/CMS).

FUTURE PROJECTS & EVENTS FOR 2025





Image: CMS Interdisciplinary School 2023. Image credit: Gretta Pecl

CMS Interdisciplinary School 2025

Informing and achieving equitable ocean futures: Training the next generation of interdisciplinary marine researchers

The CMS Interdisciplinary School is a one-week training course to be held 6-11 April 2025, designed to equip post-graduate students and early-career researchers from diverse disciplines with knowledge and skills to conduct effective interdisciplinary and transdisciplinary research in the context of ocean sustainability. Internationally-recognised experts from across the marine natural and social sciences, will deliver this training. Read more here: https://marinesocioecology.org/Events/cms-interdisciplinary-school-2025/



ANNEX

EXECUTIVE TEAM

Gretta Pecl, CMS Director Beth Fulton, Deputy Director Hannah Fogarty, Executive Support Officer Rachel Kelly, Knowledge Broker

THEME LEADERS

Coastal & Marine Governance: Maree Fudge & Liam Fullbrook Environmental Change & Adaptation: Rowan Trebilco & Valeriya Komyakova Knowledge Production: Rachel Kelly & Rebecca Shellock Science Engagement & Impact: Beth Strain & Connie Cirkony Sustainable Futures & Planetary Health: Ingrid van Putten & Richard Cottrell

STEERING COMMITTEE

Alistair Hobday, CSIRO Angus Henderson, IMAS, CMS Student Representative Beth Fulton, CSIRO Brigette Wright, IMAS, CMS Student Representative Emma Church, IMAS, CMS ECR Representative

SOCIAL MEDIA TEAM

Kianna Gallagher Liam Fullbrook

STUDENT REPRESENTATIVE

Angus Henderson Brigette Wright Emma Church Scott Spillias

Gretta Pecl, IMAS Ian Dutton, NRE Tasmania Ingrid van Putten, CSIRO Jenn Scott, UTAS Joanna Vince, UTAS John Adams, NRE Tasmania Jonny Stark, AAD

Martin Exel, Austral Fisheries Natalie Stoeckl, UTAS Nicole Webster, IMAS Rich Little, CSIRO Scott Spillias, CSIRO, CMS ECR Representative

CMS ALUMNI

Angela Abolhassani Bianca Haas Brigette Wright Caitlin Kensett Smith Carla Sbrocchi Catarina Serra Goncalves Clare Pitt Coco Cullen-Knox Danielle Smith Dean Greeno Denis Karcher Elisavet Spanou Eloise Wilson

Emma Hamasaki Florence Briton Hannah Fogarty Joseph Wenta Julian Manning Kathryn Willis Kelsey Richardson Larelle Bossi Liam Fullbrook Linda Hunt Lizzie Drew Lynda Goldsworthy Lynna Cortes Rueda Malcolm Johnson

Manon Simon Maree Fudge Mary Mackay Matthew Teston Megan Spiteri Michael Murunga Niyomi Pethiyagoda Olivia Dove Peter Puskic Rachel Kelly Richard Cottrell Sheryl Hamilton Yannick Rousseau





CMS MEMBERS

Alistair Hobday, CSIRO Alyssa Marshell, IMAS Andrew Constable, AAD Angela Dean, University of Queensland, School of the Environment Anna Farmery, University of Wollongong Asta Audzijonyte, IMAS Aysha Fleming, CSIRO Barbara Nowak, IMAS Barrett Wolfe, IMAS Ben Arthur, CSIRO - Marine National Facility Beth Fulton, CSIRO Beth Penrose, Charles Darvin University & UTASTIA Beth Strain, IMAS Brianna Le Busque, University of South Australia Camilla Novaglio, IMAS Cara Stitzlein, CSIRO Carla Sbrocchi, UTS Carolina Chong-Montenegro, Trinity College Dublin Carolina Garcia Imhof, Pacific Community Catarina Serra Goncalves, University of Western Australia Catriona MacLeod, IMAS Cayne Layton, IMAS Cecilia Villanueva, IMAS Chloe Lucas, Geography, Planning & Spatial Sciences Chris Cvitanovic, UNSW Chris Wilcox, Minderoo Foundation Christopher Brown, IMAS Claire Konkes, UTAS - School of Creative Art and Media Clare Pitt, UTAS - School of Psychology Connie Cirkony, UTAS - School of Education Corrine Condie, CSIRO Danielle Smith, University of Queensland Darla Hatton MacDonald, UTAS - TSBE

David Mossop, NRE Tasmania David Smith, CSIRO Dean Greeno, UTAS - Riawunna Delphi Ward, CSIRO Denis Karcher, ANU Denise Hardesty, CSIRO Dirk Welsford, AAD Elisavet Spanou, IMAS Elizabeth Lester, UTAS - School of Creative Arts and Media Elle Leane, UTAS - School of Humanities Eloise Wilson, IMAS Emille Boulot, UTAS - School of Law Emily Ogier, IMAS Emma Church, IMAS Emma Hamasaki, IMAS Eva Plaganyi-Lloyd, CSIRO Fabio Boschetti, CSIRO Gabi Mocatta, UTAS - School of Geography, Planning and Spatial Sciences Genevieve Phillips, IMAS Geoff Syme, CSIRO Georgina Gurney, James Cook University Glenn Finau, UTAS - School of Business and Economics Graham Wood, UTAS - School of Humanities Gretta Pecl, IMAS Hannah Fogarty, IMAS Hanne Nielsen, IMAS Helena Baird, IMAS Ian Butler, ABARES Ian Dutton, NRE Tasmania Ingrid van Putten, Wageningen University Jan McDonald, UTAS - School of Law Jan Shaw, IMAS Javier Porobic, CSIRO Jeffrey McGee, UTAS - School of Law & IMAS Jenn Scott, UTAS - School of Psychological Sciences Jennifer Lavers, IMAS

Jessica Ericson, Cawthron Institute Joanna Vince, School of Social Sciences Jonathan Reum, University of Washington Jonny Stark, AAD Joseph Wenta, University of Newcastle Judith Mutuku, UTAS - TSBE Julia Blanchard, IMAS Julia Santana Garcon, IMAS Karen Alexander, Heriot-Watt University Karen Evans, CSIRO Karina Ryan, Department of Primary Industries and Regional Development (DPIRD) Katherine Ollerhead, IMAS Kathryn Allan, IMAS Kathy Willis, CSIRO Katie Cresswell, IMAS Keith Sainsbury, IMAS Kim Beasy, UTAS - School of Education Kirsty Nash, IMAS Larelle Bossi, IMAS Leo Dutra, CSIRO Liam Fullbrook, IMAS Linda Hunt, UTAS - School of Creative Arts and Media Linda Murray, Massey University Lynda Goldsworthy, IMAS Lynna Cortes Rueda, UTAS - School of Law Madeline Green, CSIRO Malcolm Johnson, Huon Valley Council Marcus Haward, IMAS Maree Fudge, IMAS Mark Hemer, CSIRO Martin Exel, Austral Fisheries Mary Mackay, NRE Tasmania Mary-Anne Lea, IMAS Marycarmen Martinez Diaz, CSIRO Matthew Andreotta, CSIRO Matthew Palmer, UTAS - School of Psychological Sciences Matthew Teston, IMAS Megan Saunders, CSIRO

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