Twenty-five Years of the Sea Around Us: Focus on People
1999 - 2024
# Table of Contents

Executive Summary ..... 4
Introduction ..... 5
Executive leadership and senior researchers ..... 7
Postdoctoral fellows ..... 29
Tech and IT staff ..... 35
Administrative staff ..... 40
Outreach staff ..... 42
Research assistants ..... 45
Student assistants and volunteers ..... 75
PhD and master’s students ..... 83
Visiting international students ..... 105
Graph: The people in the *Sea Around Us* ..... 110
Alphabetical index ..... 111
Executive Summary

Initially conceived as a project, the Sea Around Us research initiative commenced operations in July 1999. It was propelled by a generous two-year grant from the Pew Charitable Trusts, a bold statement about the initiative's potential. This continued support was not just a one-time gesture but was further extended for an impressive 13 years, solidifying the Sea Around Us’ impact and inspiring confidence in its sustainability.

Since mid-2014, the funding of the Sea Around Us has been obtained from a number of foundations, notably the Beagle Foundation, Bloomberg Philanthropies, the David and Lucile Packard Foundation, the Marisla Foundation, the MAVA Foundation, the Minderoo Foundation, the Oak Foundation, the Paul G. Allen Family Foundation, the Paul M. Angell Family Foundation and the Summit Foundation, among others, to which we are very grateful.

The multiple undertakings of the Sea Around Us have offered many people—undergraduate volunteers, MSc and PhD students, postdocs, and other fellows, aided by programmers, administrators, and other supporting personnel—the opportunity to participate in its research and publications.

Overall, almost 200 persons from over 40 countries worked in great harmony for various periods and interacted with hundreds of colleagues worldwide, notably to ‘reconstruct’ the real global catch of marine fisheries, a project which culminated in 2016, and which is now being relaunched. Indeed, in 2025, the Sea Around Us research initiative will also extend its coverage to include freshwater fisheries catches and derived information on its website, which will allow scientists, NGO staff, and other stakeholders to obtain regularly updated information on all the world’s fisheries—marine and freshwater.

This report was conceptualized and prepared by Sea Around Us communications officer Ms. Valentina Ruiz-Leotaud, who worked for several months to document the many people who have been and/or are still part of our research initiative.

Many thanks go to her and all those included in this document for their contributions and for sharing the vision of what animates the Sea Around Us, i.e., that informing the world—especially the Global South—about fisheries catches and related information is an effective—if indirect—way to protect the oceans and the biodiversity they contain.

Daniel Pauly
Sea Around Us Principal Investigator
Introduction

Five years have passed since the last *Sea Around Us* report and many things, including a pandemic that kept us all working from home for over a year, have happened in the meantime.

In addition to surviving the COVID-19 crisis, both as individuals and as an organization, other big wins of the *Sea Around Us* were:

- Between 2019 and 2020, the *Sea Around Us* at the University of British Columbia together with the *Sea Around Us – Indian Ocean* at the University of Western Australia and the FishBase and SeaLifeBase teams, updated the status of over 2,500 fish and invertebrate populations exploited in the Exclusive Economic Zones (EEZs) of all maritime countries and the high seas. This work, led by our project manager, Dr. Maria ‘Deng’ Palomares, identified sharp declines in market favourites such as common octopus and pink conch;
- We were part of a team that estimated that global recreational catches have reached almost 1 million tonnes of fish per year in recent years, up from 280,000 tonnes per year in the 1950s;
- We were also co-authors of a study that analyzed fishery yields in the seven Large Marine Ecosystems (LMEs) that surround the African continent and found that most fisheries in the region rely on overfished resources;
- Between 2020 and 2021, we celebrated the 15th and 30th anniversaries of SeaLifeBase and FishBase, respectively, with a year-long campaign that kept our partners and users engaged with podcasts, infographics, digital reports, and videos;
- We solidified our bond with Quantitative Aquatics (Qq), a small non-governmental organization based in Los Baños, Philippines. Qq now hosts our IT team, as well as our partner organizations, FishBase, SeaLifeBase, and AquaMaps, whose research assistants greatly contribute to the development of some of the *Sea Around Us* products;
- One of our students, Ms. Rebecca Schijns, applied a simple fish stock assessment model to over 500 years of catch data and demonstrated that if Canadian authorities had allowed for the rebuilding of the stock of northern Atlantic cod off Newfoundland and Labrador in the 1980s, annual catches of about 200,000 tonnes could have been sustained. Instead, the fishery crashed in the 1990s;
- We hosted a successful event, with local, national and international attendees, to present the English version of Daniel Pauly’s biography: *The Ocean’s Whistleblower*;
- Based on the work of Dr. Veronica Relano, a new ‘Paper Park Index’ was developed and incorporated into the *Sea Around Us* database. The PPI helped identify 49 marine protected areas (MPAs) across the world where enough fishing takes place to contravene the protection status officially assigned to such sites;
- Our redesigned logo joined a family of new, related logos created for our sister projects FishBase, SeaLifeBase and AquaMaps;
- We produced free, animated video tutorials to teach the CMSY stock assessment methodology and, with the help of dedicated volunteers, translated them into 10 languages;
- We kicked off the catch reconstruction project of the freshwater fisheries of the world;
- Dr. Daniel Pauly’s Gill Oxygen Limitation Theory (GOLT) gained traction, with over 15 publications in different journals.

These and the achievements that were documented in the reports that celebrated our 20th, 15th, 10th and 5th anniversaries could not have been possible if not for the dedication of all of those who have joined our team, whether on a long-term or a short-term basis, whether at times of abundance or at times when funding has been elusive.

So far, the Sea Around Us has welcomed - in addition to the 400 collaborators that contributed to our global reconstruction work - almost 200 people from over 40 countries. Of these, 59 per cent have been women and 23 per cent hailed from the Global South.

In total, we have employed or hosted over 60 research assistants, 25 MSc students, 24 PhD students, 11 postdoctoral fellows, 11 student assistants, 11 in-house volunteers, 11 IT staff, eight visiting international students, six communications officers, four project managers, four senior scientists, three research associates, three administrative clerks and one principal investigator.

This report seeks to bring to the forefront all who have invested themselves in contributing to the mission and vision of the Sea Around Us and have been essential in giving continuity to this project, still in its young adult years.

We thank you.
EXECUTIVE LEADERSHIP AND SENIOR RESEARCHERS.
In 1997, Dr. Daniel Pauly was among a group of marine scientists invited by The Pew Charitable Trusts to discuss what the PCT should do to address the declining ‘health’ of the ocean.

While most of the attendees contested the very concept of ‘ocean health’ and proposed instead costly new data acquisition programs to overcome a perceived ‘lack of data,’ Dr. Pauly argued that ocean health could be described as a strong departure from a reconstructed pristine state and that a huge amount of data already existed to assess ocean health, notably the global fisheries statistics published annually since 1950 by the Food and Agriculture Organization of the United Nations (FAO).

Following the meeting, he was invited to prepare a proposal for a project to be funded by the PCT. That project, named after Rachel Carson’s book The Sea Around Us, began in July 1999.

Since then, the Sea Around Us has made major discoveries regarding how much fish is being caught and by whom worldwide, the protection status of MPAs, slavery at sea, the impacts of bad subsidies, and the effectiveness of consumer-led approaches, among many other topics. It has also received over $27 million in funding, authored 1400 publications, been cited in 880 papers, books, reports, and theses, and gathered over 4600 media mentions.

Key Info
- Active years: 1999 - present
- French and Canadian

Related Publications
- Pauly D and Zeller D (2016) Catch reconstructions reveal that global marine fisheries catches are higher than reported and declining. Nature Communications 7(1), 10244-10244
Dr. Maria Lourdes ‘Deng’ Palomares joined the *Sea Around Us* in 2001 to lead the integration of fish-related data generated by project members and colleagues at the University of British Columbia’s Institute for the Oceans and Fisheries into FishBase.

From Research Associate she moved up to Senior Scientist and, in June 2017, she became Project Manager.

Deng has led the work aimed at improving the *Sea Around Us*’ infrastructure and website. She also motivated the team to apply a newly developed, computer-intensive method of stock assessment to the catch statistics for essentially all maritime countries, with the result that the *Sea Around Us* now provides quantitative information on most of the exploited fish populations of the world.

In addition to overseeing the catch reconstruction and stock assessment work, Deng has engaged in fundraising with philanthropic foundations to secure the *Sea Around Us* funding for the next several years.

**Key Info**
- Active years: 2001 - present. Started as FishBase link and database integration.
- Filipino and French

**Related Publications**
Dr. Dirk Zeller is a Professor of Marine Conservation and Director of the Sea Around Us– Indian Ocean in the School of Biological Sciences at the University of Western Australia (UWA), where he leads research activities related to the Indian and Pacific Ocean regions.

His work focuses on the reconstruction of historical catch and other fisheries time series, and engaging in research on seafood nutritional profiles, strategic ocean governance, biodiversity conservation, Marine Protected Areas, fisheries policy and economics.

Before joining the University of Western Australia in 2017, Dirk was a Senior Scientist and Project Manager of the Sea Around Us at the University of British Columbia, where he was instrumental in coordinating the catch reconstruction methodology that led to the publication of a well-cited Nature Communications paper (see below) and the 2016 Global Atlas of Marine Fisheries.

He started with the project in 1999 as a postdoctoral fellow and moved up the ranks before returning to Australia.

Key Info
- Active years: 1999 - present.
- Australian and Canadian

Related Publications
- Pauly D and Zeller D (2016) Catch reconstructions reveal that global marine fisheries catches are higher than reported and declining. Nature Communications 7(1), 10244-10244.
Dr. Rashid Sumaila started as a postdoctoral fellow with the *Sea Around Us* and is currently an Associated Faculty and Advisory Board Member in charge of providing guidance on the fisheries economics indicators presented in our database.

Since 2008, Dr. Sumaila has led the Fisheries Economics Research Unit at the University of British Columbia’s Institute for the Oceans and Fisheries, where he is also a professor in Interdisciplinary Ocean and Fisheries Economics, a position he also holds at the School of Public Policy and Global Affairs.

His research focuses on bioeconomics, marine ecosystem valuation and the analysis of global issues such as fisheries subsidies, marine protected areas, illegal fishing, climate change, marine plastic pollution, and oil spills.

Rashid has experience working in fisheries and natural resource projects in Norway, Canada and the North Atlantic region, Namibia and the Southern African region, Ghana and the West African region and Hong Kong and the South China Sea.

**Key Info**
- Active years: 1999 - present.
- Nigerian and Canadian

**Related Publications**
Dr. Villy Christensen is a professor at the University of British Columbia’s Institute for the Oceans and Fisheries specializing in data-driven ecosystem model construction.

He is known for his work as the lead developer of Ecopath with Ecosim (EwE), an ecosystem modelling software system widely used throughout the world.

When Villy was working as a Senior Research Fellow with the Sea Around Us, he led the development of a technique for integrating global ecological and fisheries datasets using Ecopath with Ecosim.

This ‘database-driven construction of ecosystem model' was used for the first time in 2010 to derive a time series of biomass and related information for all ecosystems in the global ocean, from 1950 to the near present, and for projections under various global change scenarios.

Key Info
- Active years: 1999 - 2004
- Danish and Canadian

Related Publications
Dr. Tony Pitcher is Professor Emeritus at the University of British Columbia’s Institute for the Oceans and Fisheries.

His research addresses the impacts of fishing on aquatic ecosystems, the development of quantitative, multi-criteria evaluation frameworks and rapid appraisal techniques for evidence-based assessment of fisheries, management instruments and management goals, and a predictive understanding of how fish shoaling behaviour impacts fisheries.

Tony was instrumental in helping set up the Sea Around Us within UBC’s former Fisheries Centre and chaired its Steering Committee that led it in its first two years. Once this work was done, he moved on to a consultancy position, focusing on Illegal, Unreported and Unregulated (IUU) fisheries.

Key Info
- Active years: 1999 - 2003
- British and Canadian

Related Publications
Dr. Reg Watson is a Professor Emeritus in the Institute for Marine and Antarctic Studies at the University of Tasmania, Australia, where he moved after he left the Sea Around Us in 2013.

His research has focused on charting global fisheries and their interactions with marine ecosystems. His collaborations have included global studies of marine productivity and biodiversity, economics of fishing, and impacts on birds and mammals.

While at the Sea Around Us, he initiated the use of a system of 30-minute by 30-minute spatial cells and the allocation of spatially coarse fisheries data to this grid using a rule-based procedure utilizing databases we developed, which describe the distribution of all commercial species and the fishing patterns and trends of all countries.

Reg’s work was also crucial for uncovering the fact that China was over-reporting its fisheries catches, which suggested that the world’s catch was continuously increasing.

Key Info
- Active years: 1999 - 2013
- Australian

Related Publications
Dr. Jackie Alder, who was the Sea Around Us Project Manager between 2006 and 2007, is a senior fisheries industry officer at the Fisheries and Aquaculture Department of the Food and Agriculture Organization of the United Nations. Before her current role, she worked as head of the Division of Environmental Policy Implementation at the UN Environment Programme.

During her time with the Sea Around Us, Jackie led numerous policy-related activities, notably the Forage Fish Project, scenario work, West African access, estuaries, aquaculture database, and our comparative evaluation of countries’ management of their EEZs.

She also was the Sea Around Us' main contact person with outside initiatives such as the Organisation for Economic Co-operation and Development Environmental Outlook and the Millennium Ecosystem Assessment.

Key Info
- Active years: 1999 - 2007
- Canadian

Related Publications
Although now she is retired, Dr. Sylvie Guénette was the head of EcOceans, a consultancy in New Brunswick, Canada. Her research interests are fish biology, fisheries management, the potential of marine reserves and ecosystem effects of fishing and climate change.

Sylvie started at the *Sea Around Us* as a postdoc and then became a Research Associate. She applied her modelling expertise to the construction of ecosystem models in various parts of the Atlantic and edited a volume documenting an early phase of the project’s work. She participated in the development of the EcoOcean model, used for UNEP’s GEO4 studies.

**Key Info**
- Active years: 1999 - 2004
- Canadian

**Related Publication**

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Dr. Sheila Heymans is the Executive Director of the European Marine Board, a Belgium-based marine science policy think tank where she applies her knowledge in zoology, marine ecosystem modelling and the environmental impacts of fisheries and ecosystem change.

During her time at the *Sea Around Us*, she constructed ecosystem models of marine and estuarine systems, with a particular focus on the Gulf of Maine and the Sierra Leonean Shelf.

**Key Info**
- Active years: 2003 - 2006
- South African

**Related Publication**
Dr. Dyhia Belhabib is the Principal Investigator of Fisheries at Ecotrust Canada where she focuses on equity, food security, values associated with fishing and social finance.

Before this position, she was a Research Associate at the Sea Around Us, leading the project’s engagement with African colleagues and topics.

Her journey at the Sea Around Us started in 2010 with a volunteer position, which later became that of a research assistant. Subsequently, Dyhia pursued a Ph.D. under the supervision of Dr. Daniel Pauly and focused on West African fisheries. Once she finished her studies, she became a post-doctoral fellow and then a research associate.

At the Sea Around Us, she also gained experience on issues such as illegal fishing, unfair fisheries agreements, lack of appropriate fisheries data, climate change and governance, conflicts and natural disasters.

Key Info
- Active years: 2010 - 2017
- Algerian

Related Publications
Dr. Dorothy Wanja Nyingi-Moseti is a freshwater biologist and ichthyologist. Before joining the Sea Around Us - Indian Ocean at the University of Western Australia, she worked for 25 years as a researcher at the National Museum of Kenya, carrying out extensive ecological research on freshwater fish biodiversity.

Wanja became the Head of Ichthyology at the NMK in 2009 and published the first guide to freshwater fish species in Kenya. In 2023, a Monogean parasite of cyprinid fishes of Morocco was named in her honour: *Gyrodactylus nyingiae* n. sp. She is a member and affiliate of several professional associations and is currently part of the Multidisciplinary Expert Panel of the United Nations Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).

Wanja has a background in Ecology and Evolutionary Biology from the University of Montpellier, France and Hydrobiology from the University of Nairobi. She is leading the freshwater fisheries research interests of the Sea Around Us – Indian Ocean group.

**Key Info**
- Active years: 2024
- Kenyan

**Related Publications**
Dr. Jennifer Jacquet, who joined the *Sea Around Us* as a Ph.D. student in 2005, is a professor at the University of Miami’s Environmental Science and Policy Department and the author of *Is shame necessary? New uses for an old tool* (2015) and *The Playbook: how to deny science, sell lies, and make a killing in the corporate world* (2022).

In 2009, she completed her doctorate working with Dr. Daniel Pauly on the underreporting of global marine fisheries catches. As a postdoctoral fellow, she focused on evaluating the efficacy of initiatives such as the Marine Stewardship Council (MSC), which intended to harness the power of consumers to motivate improvements in fisheries management. She concluded that these approaches, being ‘guilt-based,’ are less successful than ‘shame-based’ approaches.

Jennifer remained connected to the *Sea Around Us* through the years and in 2022, she became a member of its Advisory Board where she helps plan for the financial and research future of the project.

**Key Info**
- Active years: 2005 - present
- American

**Related Publications**
After working as a senior campaigner for the Environmental Justice Foundation, Duncan Copeland joined the Sea Around Us in 2011 and became its West Africa Regional Coordinator until 2013. His work focused on improving fisheries research and data capture in West Africa.

As he was conducting research for the project, he also worked as an advisor on fisheries monitoring, control and surveillance for the Bureau of National Fisheries of Liberia. He is now a member of the Sea Around Us Advisory Board.

In 2014, Duncan helped found the Norway-based foundation Trygg Mat Tracking, where he has grown from Chief Analyst to Executive Director. At TMT, he provides leadership on projects related to fisheries intelligence, analysis and capacity assistance to developing maritime countries. His career focuses on the ‘pointy-end’ of IUU fishing and associated crime, working closely with relevant stakeholders, from community to ministerial-level groups, and across fisheries enforcement agencies.

**Key Info**
- Active years: 2011 - present
- Canadian

**Related Publication**
Dr. William Cheung began his journey with the Sea Around Us as a postdoctoral fellow. His doctorate, conducted after obtaining a master's degree from Hong Kong University, focused on the vulnerability of marine fish to fishing, starting with a global overview and then zooming into the Northern South China Sea.

As a postdoc, William was tasked with modelling the well-established observation that increasing ocean temperatures cause the center of the distribution of fish and marine vertebrate populations to move poleward. He developed an envelope model that enabled the Sea Around Us to predict where different fish species will likely occur decades from now.

William is now the director of the University of British Columbia's Institute for the Oceans and Fisheries, head of the Changing Ocean Research Unit and a Sea Around Us Advisory Board Member. Previously, he was a lecturer in marine ecosystem services at the University of East Anglia and worked for WWF Hong Kong.

Key Info
- Active years: 2004 - present
- Hongkongese and Canadian

Related Publications
After completing her bachelor's and master's degrees at the Fundação Universidade Federal do Rio Grande, as well as working for several universities in Brazil such as the Universidade Tiradentes and Universidade Federal Rural de Pernambuco, Katia Freire joined the University of British Columbia as a Ph.D. student under the supervision of Dr. Daniel Pauly.

Her research focused on the fishing impacts on marine ecosystems off the coast of Brazil with emphasis on the northeastern region. Once she graduated, she led the *Sea Around Us*’ catch reconstruction work for Brazil.

Katia is currently an associate professor III at the Federal University of Sergipe. Her research and teaching delve into Ichthyology, Ecology and Fisheries, with a special focus on northeastern Brazil, commercial and recreational fisheries, fish growth, and ecological modelling using Ecopath.

In addition to being a *Sea Around Us* Board Member, she is the representative of the Federal University of Sergipe in the FishBase Consortium.

**Key Info**
- Active years: 2000 - present
- Brazilian

**Related Publications**
Dr. Jessica Meeuwig is a professor of Marine Ecology at the University of Western Australia, co-founder of Blue Abacus, representative for the University of Western Australia before the FishBase Consortium and chair of the Sea Around Us Advisory Board.

Her lab focuses on conservation-driven research, with particular attention to the contribution of highly protected MPAs to the rebuilding of resilient oceans. She pioneered the development of mid-water Baited Remote Underwater Video Systems (BRUVS) to further our understanding of open ocean wildlife such as tunas, sharks and marine mammals.

As a self-proclaimed fan of big data, Jessica has been collaborating with the Sea Around Us team since the early 2010s, particularly on research related to distant water and recreational fisheries, as well as catch reconstructions for the Indian Ocean. She has also been instrumental in the launching of the Sea Around Us - Indian Ocean lab and supporting fundraising efforts.

Key Info
- Active years: 2012 - present
- Canadian

Related Publications
Dr. Athanassios Tsikliras is a professor of Fish and Fisheries Biology at the School of Biology, Aristotle University of Thessaloniki in Greece, one of the representatives of this university to the FishBase Consortium and the Vice-Chair of the Sea Around Us Advisory Board.

His connection with the Sea Around Us started in the late-2000s with research focused on Mediterranean food webs. Later on, he collaborated with our team on estimating stock status and reconstructing Greek fisheries catches from 1950 to 2010.

Thanasis obtained a bachelor's degree in Environmental Biology and a master's degree in Oceanography in the United Kingdom and has a Ph.D. in fisheries from the Aristotle University of Thessaloniki. He has worked for 25 years in research and academic institutions with a focus on fish biology, monitoring marine populations, ecosystem modelling, stock assessment, fisheries management and developing a digital twin of the ocean, with particular interest in the data-deficient Mediterranean fisheries.

Key Info
- Active years: 2009 - present
- Greek

Related Publications
Dr. David Mouillot is a professor in Marine Ecology and Data Analysis at the University of Montpellier. He has been collaborating with the Sea Around Us team since the early 2010s. In 2022, he joined our Advisory Board.

Mouillot has a background in theoretical ecology and statistics and has worked in the field of marine macroecology, that is, the exploration and explanation of large-scale biodiversity patterns across the oceans. He particularly focuses his research on coral and temperate reefs to better understand the interlaced effects of climate change and human pressures on fish biodiversity and ecosystem functioning.

More recently, David led the development of a new generation of tools based on environmental DNA to monitor marine biodiversity across spatial and depth gradients. He is one of the associate editors of the journal Ecology Letters and a senior fellow at the Institut Universitaire de France.

Key Info
- Active years: 2011 - present
- French

Related Publications
Claire Nouvian is the founder of the nonprofit conservation organization BLOOM, based in Paris and Hong Kong and a member of the Sea Around Us Advisory Board since 2022.

Her research and activities focus on deep-sea fisheries and shark consumption habits. In Asia, Claire and the BLOOM team aim to improve the degraded conservation status of shark populations by making shark fin soup a socially unacceptable dish. In Europe, Nouvian is dedicated to studying the nature of deep-sea fishing.

Before starting BLOOM, Claire, who has a bachelor’s degree in History from the University of Paris IV Sorbonne, worked in television production and journalism, specializing in wildlife and scientific documentaries. She is the author of the 2006 book and museum exhibit The Deep, the winner of the 2018 Goldman Environmental Prize, and is involved in education through art and science projects at the University of Geneva, AgroParisTech / ENGREF, and the University of Hong Kong, among others.

Key Info
- Active years: 2011 - present
- French

Related Publication
Dr. Callum Roberts is a professor of marine conservation at the University of Exeter in the UK. He has been collaborating with the Sea Around Us team since the early 2010s and in 2022, became a member of our Advisory Board.

For the last three decades, Callum has used his scientific background to make the case for stronger protection for marine life. His team provided the scientific underpinning for a new ocean protection target – 30% by 2030 – which is gaining widespread support.

He also leads the Convex Seascape Survey research programme on ocean carbon sequestration and is the author of three books: The unnatural history of the sea (2007), Ocean of life: how our seas are changing (2013), and Reef life: An underwater memoir (2019).

Callum is the chief scientific advisor to BLUE Marine Foundation and the Maldives Coral Institute, a WWF UK Fellow, board member of the Nekton Deep Ocean Research Institute, and advisor to the Pew Bertarelli Global Ocean Legacy Program.

Key Info
- Active years: 2011 - present
- British

Related Publications
Dr. Enric Sala is a former university professor who saw himself writing the obituary of ocean life and quit academia to become a full-time conservationist as a National Geographic Explorer-in-Residence. He has been collaborating with the Sea Around Us team since the mid-2000s and became an Advisory Board member in 2022.

Enric founded and leads Pristine Seas, a project that combines exploration, research, media, economics and policy work to inspire country leaders to protect vital places in the ocean.

To date, Pristine Seas has helped create 25 of the largest marine reserves on the planet, covering an area of over 6.5 million square kilometres. Enric has received numerous awards, including the 2008 World Economic Forum’s Young Global Leader, the 2013 Explorers Club Lowell Thomas Award, the 2016 Russian Geographical Society Award, the 2018 Heinz Award in Public Policy, the National Geographic Hubbard Medal, the Albert I Grand Medal. He is a fellow of the Royal Geographical Society.
POSTDOCTORAL FELLOWS.
**LORE RUTTAN**  
Postdoctoral Fellow

Dr. Lore Ruttan is an illustrator and educator at The Galloway School in Atlanta. Her focus is on Biology, Ecology and Evolution. While at the Sea Around Us, she worked on the competitive relationships between small- and large-scale fisheries.

**Key Info**
- Active years: 1999 - 2000
- American

**Related Publication**

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**VICKY LAM**  
Postdoctoral Fellow

Dr. Vicky Lam's journey with the Sea Around Us began in 2004 working as a research assistant tasked with predicting and analyzing commercial fish distributions and mapping spatial information of various types of data. After completing her Ph.D., she returned as a postdoc collaborating on global catch reconstructions.

**Key Info**
- Active years: 2004 - 2017
- Hongkongese and Canadian

**Related Publication**

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**LUCAS BROTZ**  
Postdoctoral Fellow and Honorary Research Associate

Dr. Lucas Brotz was an Honorary Research Associate with the Sea Around Us from 2016 to 2019. As a master’s and Ph.D. student, and later as a post-doctoral fellow, Lucas reconstructed global jellyfish catches and found that jellyfish had likely increased in almost all of the world’s large marine ecosystems.

**Key Info**
- Active years: 2007 - 2019
- Canadian

**Related Publication**
JONATHAN ANTICAMARA
Postdoctoral Fellow

Dr. Jonathan Anticamara developed the initial version of the *Sea Around Us* global fishing effort database. Together with Dr. Reg Watson, he mapped the distribution of global fishing effort and analyzed spatiotemporal trends and the relationships between fishing effort, fish catch, and marine diversity changes.

**Key Info**
- Active years: 2010 - 2015
- Filipino

**Related Publication**

DALAL AL-ABDULRAZZAK
Postdoctoral Fellow

After finishing her Ph.D. studies with *Sea Around Us*, Dr. Dalal Al-Abdulrazzak became a postdoc focusing on examining the historical changes in the ecology and fisheries of the Persian Gulf and the countries surrounding this body of water. Dalal is now the chief science officer at Vericatch.

**Key Info**
- Active years: 2009 - 2016
- Kuwaiti and Canadian

**Related Publication**

ASHLEY MCCREA-STRUB
Postdoctoral Fellow

Dr. Ashley McCrea-Strub, now a photographer and artist in the US Pacific Northwest, joined the *Sea Around Us* from the University of Miami. She worked on developing a framework for the evaluation of large vs. small marine protected areas, concerning both protecting biodiversity and enhancing fisheries catches.

**Key Info**
- Active years: 2010 - 2015
- American

**Related Publication**
KRISTIN KLEISNER
Postdoctoral Fellow

Dr. Kristin Kleisner is the Senior Director of Oceans Science at the Environmental Defense Fund. When she was at the Sea Around Us, she worked on the development of indicators of marine ecosystem health and fisheries status for various global projects including the Ocean Health Index.

Key Info
- Active years: 2010 - 2013
- American

Related Publication

DANIELLE KNIP
Postdoctoral Fellow

After completing her Ph.D. at James Cook University, Dr. Danielle Knip joined the Sea Around Us to work on the catch reconstruction database. She focused on the marine fisheries catches of Bangladesh and Greenland and also worked on evaluating countries' performance in living marine resources exploitation.

Key Info
- Active years: 2010 - 2014
- Australian

Related Publication

BORIS JOVANOVIĆ
Postdoctoral Fellow

Dr. Boris Jovanovic, now an Adjunct Associate Professor at Iowa State University, spent a year with the Sea Around Us reconstructing fisheries catches in the Russian EEZ from 1950 to 2010 and estimating the decline of total global fish biomass due to uncontrolled fishing activities.

Key Info
- Active years: 2012 - 2012
- Serbian and American

Related Publication
Dr. Mathieu Colléter is an engineer specializing in Fisheries Sciences with a joint Ph.D. in Marine Ecology from Agrocampus Ouest, under the supervision of Dr. Didier Gascuel, and the University of British Columbia, under the supervision of Dr. Daniel Pauly.

After graduating, he did a postdoc with the Sea Around Us where he modelled and analyzed the impacts of climate change and fishing on marine ecosystems. Nowadays, Mathieu works at the Ocean Nexus international research program focusing on the inclusion of European small-scale fishers in fisheries policies.

**Key Info**
- Active years: 2013 - 2016
- French

**Related Publication**

Dr. Myriam Khalfallah started her journey with the Sea Around Us as an intern. Later, she became a master’s student, then a Ph.D. student in Resource Management and Environmental Studies supervised by Dr. Daniel Pauly and, finally, a postdoc. Her research focused on the environmental, political and socio-economic scopes of marine fisheries within the countries of the Southern Mediterranean and the Arabian Peninsula. Myriam is now a climate change technical advisor with the NGO FHI360.

**Key Info**
- Active years: 2013 - 2021
- Tunisian and Canadian

**Related Publications**
Dr. Gabriel Vianna is the co-principal investigator of Shark Ecology and conservation at the Charles Darwin Foundation in Ecuador.

Before returning to his native South America, he was a postdoctoral fellow with the Sea Around Us - Indian Ocean at the University of Western Australia (UWA), where he was part of the team that assessed the status of fish populations in all coastal countries.

Gabriel also did his Ph.D. at UWA, focusing on the ecology and conservation of reef sharks in Palau (Micronesia). This work led to further shark conservation projects across the Indo-Pacific, including Fiji, Australia, Borneo and the Chagos Archipelago.

**Key Info**
- Active years: 2019 - 2021
- Brazilian

**Related Publications**
TECH AND IT STAFF.
NIGEL HAGGAN
Project Coordinator

After being the team leader on a proposal for a new multi-disciplinary Aquatic Ecosystems Research Laboratory at the University of British Columbia, Dr. Nigel Haggan became executive coordinator of the UBC Fisheries Centre.

Later, he joined the Sea Around Us as the Project Coordinator in charge of communications, managing consultants and interns, event organization and reporting. He now heads Nigel Haggan & Associates, a consultancy focused on policy advising.

Key Info
- Active years: 1999 - 2004
- Irish and Canadian

Related Publications

SHERMAN LAI
Project Coordinator

Sherman Lai is a computer scientist who served as Coordinator for the Lenfest Ocean Futures Project, which developed software and methodologies for a series of high-profile workshops, and the Sea Around Us Project.

At the University of British Columbia’s Fisheries Centre, Sherman also worked on developing a new version of the Ecopath with Ecosim software, while providing advice on many of the Sea Around Us web-based initiatives.

Key Info
- Active years: 2003 - 2010. Started as a research assistant.
- Malaysian

Related Publications
Fred Valdez developed and maintained the *Sea Around Us* website from 2001 to 2007. He designed the look and feel of the initial database and developed our first Internet-based GIS mapping system.

**Key Info**
- Active years: 1999 - 2007
- Filipino

Rosalie Casison is an information technology and services professional who looked after the hardware and software that the *Sea Around Us* and Fisheries Centre members used.

**Key Info**
- Active years: 2001 - 2007
- Filipino and Canadian

Catriona Day joined our team in 2002 to allocate the geo-referenced, species-specific cephalopod occurrence records in CephBase to 18 FAO statistical areas, 64 Large Marine Ecosystems (LMEs) and about 200 Exclusive Economic Zones.

**Key Info**
- Active years: 2002 - 2002
- Canadian

While pursuing her bachelor’s degree in marine biology at the University of British Columbia, Cindy Young started Mousetrap Multimedia. Through this company, she designed the first iteration of the *Sea Around Us* website, which offered early reconstructed catch data for the world and individual entities, as well as ‘deep links’ to related collaborating sites.

**Key Info**
- Active years: 2004 - 2004
- Canadian
CHRISTOPHER CLOSE
GIS Analyst

Christopher Close provided geographic information system (GIS) services to help the Sea Around Us map catches and other data and offer them to our website users. After leaving the project, he founded Spatially Close Consulting. Chris now works as a senior developer at Esri Canada.

Key Info
- Active years: 2005 - 2008
- Canadian

AR’ASH TAVAKOLIE
IT Developer

With an engineering/Artificial Intelligence background, Ar’ash Tavakolie worked on designing and maintaining the Sea Around Us suite of web applications and related databases.

Key Info
- Active years: 2007 - 2017
- Iranian and Canadian

JOE HUI
Programmer

Joe Hui participated in the programming of Ecopath with Ecosim EwE (version 6) and of EcoTroph, another tool for ecosystem modelling. He also wrote a program to analyze the dispersion of dioxins and mercury in the atmosphere and their subsequent deposition on land and the ocean.

Key Info
- Active years: 2007 - 2007
- Chinese

Before doing his master's and Ph.D., Jeroen Steenbeek worked with the Sea Around Us, mainly to program version 6.0 of Ecopath with Ecosim. For the past decade, he has been a senior software engineer at the Ecopath International Initiative.

Key Info
- Active years: 2004 - 2013
- Dutch
SHELMIE ORTIZ
Website Manager

After leaving the corporate world and joining our partner NGO Quantitative Aquatics in 2017, Shelumiel Ortiz delved into the development and maintenance of the Sea Around Us, FishBase, SeaLifeBase and Q-quatics website.

**Key Info**
- Active years: 2017 - present
- Filipino

**Related Publication**

MARTIN NEVADO
Database Software Engineer

Since 2018, Martin Nevado has managed the Sea Around Us database. He performs allocation runs, completes data requests for database users and is responsible for extracting catch data for CMSY stock assessments.

**Key Info**
- Active years: 2018 - present
- Filipino

**Related Publication**

NICOLAS BAILLY
Biodiversity Informatics Specialist

With decades of experience in biological oceanography and computer engineering after working on FishBase for WorldFish in the Philippines, in 2019, Dr. Nicolas Bailly joined both the Beaty Biodiversity Museum as the manager of the fish collection and the Sea Around Us as a biodiversity informatics specialist.

**Key Info**
- Active years: 2019 - present
- French

**Related Publication**
ADMIN STAFF.
Grace Ong was in charge of overseeing the logistical and financial aspects of the Sea Around Us, including preparing financial reports and budget proposals, coordinating the principal investigator’s schedule and travels, and otherwise supporting project activities.

**Key Info**
- Active years: 2002 - 2015
- Canadian

During her time at the Sea Around Us, Marina Campbell assisted Grace Ong in providing crucial support services to the project, particularly those related to financial reports and budget proposals.

**Key Info**
- Active years: 2008 - 2016
- Canadian

Maria Ho joined the Sea Around Us in 2014 and was in charge of coordinating schedules, travels, and project activities and providing administrative support to Dr. Daniel Pauly and Dr. Dirk Zeller.

**Key Info**
- Active years: 2014 - 2017
- Canadian
OUTREACH STAFF.
NANCY BARON
Sea Around Us Newsletter Founding Editor

Author of the book *Escape from the Ivory Tower: A Guide to Making Your Science Matter* (2010), Nancy Baron is an award-winning science writer, journalist and naturalist who helped launch the *Sea Around Us Newsletter* and other communication products.

Nancy is now the director of science outreach at COMPASS, where she helps environmental scientists translate their work effectively to journalists, the public and policymakers.

**Key Info**
- Active years: 1999 - 2000
- Canadian

MELANIE POWER
Sea Around Us Newsletter Editor

While doing her Ph.D. at the University of British Columbia’s Fisheries Centre, Melanie Power edited the Centre’s FishBytes newsletter and helped edit the initial issues of the *Sea Around Us Newsletter*, based on the guidelines set up by Nancy Baron.

With a particular interest in the ethics of policymaking, once she graduated, Melanie went on to work at UBC’s W. Maurice Young Centre for Applied Ethics, where she researched salmon aquaculture, genomics and ethics.

**Key Info**
- Active years: 1999 - 2002
- Canadian

MEGAN BAILEY
Sea Around Us Newsletter Editor

While pursuing her master's and doctorate studies at the University of British Columbia, Megan Bailey contributed to and edited the *Sea Around Us Newsletter*, taking over Ph.D. student Robyn Forrest.

With a focus on how market and state approaches can combine to improve cooperation around global fisheries governance, Megan is now an Associate Professor at Dalhousie University's Marine Affairs Program.

**Key Info**
- Active years: 2008 - 2012
- Canadian
NICOLE GIBILLINI
Communications Officer

A Journalism graduate from the University of British Columbia, Nicole Gibillini oversees the business and health units and news planning for the national online team at Global News.

During her time at the Sea Around Us, Nicole turned several papers into interesting stories and was in charge of big announcements, such as the $2.6-million grant The Paul G. Allen Family Foundation awarded to the Sea Around Us to improve data on world fisheries.

Key Info
- Active years: 2013 - 2015
- Canadian

DAVID GESELBRACHT
Communications Officer

While completing a Master in Journalism at the University of British Columbia, David Geselbracht worked at the Sea Around Us managing - among other things - the myriad of media requests that ensued following the publication of the first global catch reconstruction in Nature Communications.

These days, he writes about the intersection of science, policy and culture for different Canadian publications and works as a lawyer for Access Pro Bono BC.

Key Info
- Active years: 2015 - 2016
- Canadian

VALENTINA RUIZ-LEOTAUD
Communications Officer

Valentina Ruiz-Leotaud joined the Sea Around Us after completing a Master in Journalism at the University of British Columbia and following 10 years of professional experience in newsrooms in Canada and Venezuela.

Valentina has been in charge of developing creative ways to share the Sea Around Us' science with the public, as well as bringing local, national and international media attention to the project's research, major awards, and events.

Key Info
- Active years: 2016 - present
- Venezuelan and Canadian
RESEARCH ASSISTANTS.
WILF SWARTZ
Research Assistant

Dr. Wilf Swartz is an associate professor at Dalhousie University where he focuses on international seafood trade policies, fisheries, public subsidies, and global seafood chain supplies.

He first joined the Sea Around Us in 2000 as an undergraduate research assistant. From 2002 to 2004, he returned as a master's student and expanded the fishing agreement database. In 2007, he came back and developed seafood trade and ex-vessel price databases.

Key Info
- Active years: 2000 - 2009
- Canadian

Related Publication

SHAWN BOOTH
Research Assistant

Now a researcher at France’s Institut de Radioprotection et de Sûreté Nucléaire, Shawn Booth joined the early Sea Around Us team while doing his master's with Dr. Villy Christensen.

Shawn weaved the marine fish consumption data from Inuit settlements over the years into a coherent time series for the whole of Arctic Canada and Alaska. He also worked on ecosystem modelling effects of the wind-driven distribution of dioxins and mercury on the marine food webs.

Key Info
- Active years: 2000 - 2010
- Canadian

Related Publication
YVETTE RIZZO
Research Assistant

After her undergrad and master's studies in her native Malta, Yvette Rizzo joined the University of British Columbia for her Ph.D. studies. During her time with the Sea Around Us, she supported Dr. Dirk Zeller's work on country disaggregation of catches of the former Soviet Union (USSR).

Yvette then went on to work for Fisheries and Oceans Canada, completed a master's in Marine Spatial Planning and Management and is now employed by Transport Canada.

Key Info
- Active years: 2000 - 2005
- Maltese and Canadian

Related Publication

ELIZABETH MOHAMMED
Research Assistant

Elizabeth Mohammed moved to Canada from Trinidad after completing her master's studies at The University of the West Indies.

She pursued a Ph.D. in resource management and environmental studies and worked as a graduate research assistant reconstructing catch trends and developing ecosystem models for the Central Atlantic. Nowadays, Elizabeth works as a Senior Fisheries Officer at the Ministry of Agriculture, Lands and Fisheries of Trinidad and Tobago.

Key Info
- Active years: 2000
- Trinidadian

Related Publication
VASILIKI KARPOUZI
Research Assistant

After completing her master's studies under Dr. Daniel Pauly's supervision, Vasiliki Karpouzi mapped forage distribution, food consumption, and resource overlap between global fisheries and the world's 351 species of seabirds. She used seabird diet composition and estimated population sizes since 1950 from a database she created and populated.

Nowadays, Vasiliki works at Fisheries and Oceans Canada.

Key Info
- Active years: 2001 - 2007
- Greek and Canadian

Related Publications

ADRIAN KITCHINGMAN
Research Assistant

Adrian Kitchingman is a researcher at Australia's Arthur Rylah Institute (ARI), where he focuses on the effects of habitat and flows on fish life histories and uses his informatics and GIS skills to develop database systems to better manage ARI’s data.

While at the Sea Around Us, Adrian played a key role in the development, management, updating, and documenting of the project’s spatial catch allocation model and the pre-processing of its numerous underlying datasets.

Key Info
- Active years: 2002 - 2005
- Australian

Related Publication
PABLO TRUJILLO
Research Assistant

Pablo Trujillo is a consultant with Ocean Campaigns focusing on the collection and analysis of ecological data to quantify the impact of human-induced stressors on ecosystems and coastal communities. Previously, he worked for Greenpeace.

Pablo joined the Sea Around Us as a master's student in 2001 and became a research assistant in 2009, working on the catch reconstructions for Central American countries in collaboration with the NGO MarViva.

Key Info
- Active years: 2002 - 2010
- Canadian

Related Publications

JORDAN BEBLOW
Research Assistant

Jordan Beblow is a fisheries biologist working with the Gitanyow Fisheries Authority within the Gitanyow Traditional Territory (Lax Yip) in the Canadian province of British Columbia. The work focuses on the conservation and sustainable use of the aquatic resources in the Kitwanga and Nass Rivers.

During his time with the Sea Around Us, he focused on assembling a global database of biomass trends to support the synthesis work of Dr. Villy Christensen.

Key Info
- Active years: 2003 - 2008
- Canadian

Related Publications
AHMED KHAN
Research Assistant

While doing his master's at the University of British Columbia, Ahmed Khan worked as a research assistant with the Sea Around Us, focusing on the subsidies that governments of maritime countries give to their fishing fleets, particularly those operating along Africa’s coastlines.

Nowadays, Ahmed is based in Cote d'Ivoire where he works as the Chief Fisheries Officer and Coordinator for the blue economy at the African Development Bank Group.

Key Info
- Active years: 2004 - 2007
- Sierra Leonean

Related Publications

BROOKE CAMPBELL
Research Assistant

Brooke Campbell joined the Sea Around Us as a research assistant tasked with developing a global mariculture production database at the sub-national scale. She then became a master's student and worked on identifying the factors that affected the development and expansion of mariculture since 1950.

These days, Brooke is a research fellow at the Australian National Centre for Ocean Resources and Security where she addresses the complex practical challenges of sharing renewable marine resources sustainably and equitably across scales of governance.

Key Info
- Active years: 2005 - 2011
- Canadian

Related Publication
CHIARA PIRODDI
Research Assistant

Dr. Chiara Piroddi is a marine scientist employed by the European Commission's Joint Research Center to assess the good environmental status (GES) of European seas and predict their future dynamics under different management scenarios.

Chiara was with the Sea Around Us between 2005 and 2011, first as a master's student and later as a research assistant. She built a database on the global abundance and distribution of mesopelagic fishes, which are assumed to contribute half of the fish biomass in the oceans.

**Key Info**
- Active years: 2005 - 2011
- Italian

**Related Publications**

SUZANNE MONDOUX
Research Assistant

After working in West Africa in the environmental, wildlife conservation and biodiversity field, Suzanne Mondoux joined the Sea Around Us in 2005 as a research assistant, while completing her master's thesis on ranking maritime countries in terms of the sustainability of their fisheries.

She is now a published author of novels and children's books, where the well-being of animals and humans is front and centre.

**Key Info**
- Active years: 2005 - 2008
- Canadian

**Related Publication**
SARAH BALE
Research Assistant

While pursuing her bachelor's degree in Integrated Science at the University of British Columbia, Sarah Bale joined the Sea Around Us as a research assistant. She worked on reconstructing the marine fisheries catches for several countries from 1950 to 2008.

She then moved to Ontario and completed two master degrees, worked at York University and is now a planner for environmental consultancy agencies.

Key Info
- Active years: 2007 - 2009
- Canadian

Related Publication

LO PERSSON
Research Assistant

Dr. Lo Persson is a postdoctoral fellow at the Norwegian Institute for Nature Research and the Swedish University of Agricultural Sciences. Her work focuses on aquatic ecology and migrating salmonids, particularly Atlantic salmon.

During her time with the Sea Around Us, Lo reconstructed Sweden's catches in the Baltic Sea and led the catch reconstruction of Somalia's marine fisheries.

Key Info
- Active years: 2008 - 2010
- Swedish

Related Publications
ANDREW DYCK
Research Assistant

Andrew Dyck is an economist who joined the Sea Around Us in 2008 as a research assistant tasked with assessing the contribution of marine fisheries to the global economy. He worked under the supervision of Dr. Rashid Sumaila.

Nowadays, Andrew is based in Regina, Saskatchewan, and works as manager of small business lending at Farm Credit Canada, a federal Crown corporation.

Key Info
- Active years: 2008 - 2011
- Canadian

Related Publications

PETER ROSSING
Research Assistant

Peter Rossing is the CEO of Advanced Greentech Solutions where he leads the development of sustainable water treatment solutions that don't impact ecosystem function, plant and animal life, and human health.

In the course of his time at the Sea Around Us, Peter undertook the day-to-day coordination of the catch reconstruction for the Baltic Sea countries, a collaboration with the Swedish Baltic Sea 2020 Foundation in Stockholm. He also assisted in other catch reconstruction-related tasks.

Key Info
- Active years: 2008 - 2009
- Danish and Canadian

Related Publication
Kenneth Buck is an engineering manager at Paramount Commerce and a software developer.

Between May 2008 and May 2009, he worked as a research assistant at the *Sea Around Us*, collaborating in the reconstruction of historical fisheries catch data for the Pacific Islands. In particular, he collected, digitized, indexed and parsed historical documents for use in ongoing publications.

**Key Info**
- Active years: 2008 - 2009
- Canadian

Rhona Govender works as a Species-at-Risk Biologist for Fisheries and Oceans Canada.

She joined the *Sea Around Us* in 2008 as a master's student and after graduation, worked as a research assistant. Her work was centered on an independent reestimation of the global catch of small-scale fisheries, based on the detailed examination of key statistics in maritime countries such as Israel and Jordan.

**Key Info**
- Active years: 2008 - 2013
- South African

**Related Publications**
Liane Arness (previously Veitch) is the Project Manager of the Certification and Ratings Coalition where she analyzes the global landscape of sustainable seafood to monitor progress and identify priorities for improving environmental and social responsibility.

Liane joined the Sea Around Us in 2008 as a research assistant working on the reconstruction of historical fish catch data to account for the artisanal, subsistence and illegal/unreported/unallocated catches of Baltic Sea countries.

**Key Info**
- Active years: 2008 - 2009
- Canadian

**Related Publication**

Sarah Harper is a post-doctoral fellow at the School of Environmental Studies of the University of Victoria, Canada, where she aims to understand the vulnerability of fisheries and fishing communities in British Columbia to climate change and develop a roadmap for advancing climate adaptation planning.

During her time at the Sea Around Us, Sarah was tasked with maintaining the global fishing access agreement database and reconstructing the catch for various islands and territories in the Caribbean, South America, the South Pacific and the Baltic Sea.

**Key Info**
- Active years: 2009 - 2013
- Canadian

**Related Publication**
ZAIDA ALOJADO
Research Assistant

Zaida Nepomuceno Alojado studied at the University of the Philippines Los Baños and worked at the International Center for Living Aquatic Resources Management.

Upon moving to Canada, she worked as a Geographic Information Specialist at the Sea Around Us. She provided GIS services to fulfill the needs of the project, including mapping catches and other data and worked closely with the project’s web developer to meet the mapping requirements of the website.

Key Info
- Active years: 2009 - 2013
- Filipino

Related Publication

GRACE PABLICO
Research Assistant

In the early 2000s, Grace Tolentino Pablico worked for FishBase, when the project was hosted by the WorldFish Center and the latter was based in Los Baños, Philippines.

After moving to Canada, Grace joined the Sea Around Us as a research assistant, expanding on her work at FishBase on predators, food items, diet composition, ecology, international seafood guides and international treaties and conventions.

Key Info
- Active years: 2009 - 2013
- Filipino

Related Publication
From May 2010 to August 2013, Soohyun ‘Debbie’ Shon performed data collection and analysis tasks related to the marine fisheries of North and South Korea. She also trained new staff on the catch reconstruction methodology during this time.

After leaving the Sea Around Us, she obtained a diploma in Accounting from the University of British Columbia and a Chartered Professional Accountants designation and now works as an accountant at North Point CPAs.

**Key Info**
- Active years: 2010 - 2013
- Korean

**Related Publication**

**STEPHANIE LINGARD**
Research Assistant

Stephanie Lingard worked on the catch reconstructions of Palau, Samoa and Australia. While at the Sea Around Us, she obtained a Canadian International Development Agency internship that led her to spend a few months in Jamaica supporting fisheries-related projects.

Lingard has recently completed her master's degree at the Faculty of Forestry of the University of British Columbia, focusing on the ecology of juvenile salmonids in estuaries.

**Key Info**
- Active years: 2010 - 2012
- Canadian

**Related Publication**
DEVON O'MEARA
Research Assistant

Devon O'Meara is an oncology and palliative care nurse at the UC San Diego Health Hospital in California, USA.

Before her healthcare career, Devon completed a bachelor of Science in Forestry at the University of British Columbia and worked as a researcher at the Scripps Institution of Oceanography and the Sea Around Us. While at UBC, she contributed to several catch reconstructions and some articles for the Sea Around Us newsletter.

Key Info
- Active years: 2010 - 2011
- American

Related Publication

DANIEL KUO
Research Assistant

Daniel Kuo works as a Senior Solutions Architect for the marketing cloud practice of Salesforce in Vancouver, Canada.

Prior to his marketing career, Daniel studied Biology and worked as a research assistant at the Sea Around Us tasked with conducting the statistical review of 60 years of fisheries data for specific countries, paying special attention to computing errors and misreporting. He excelled at conducting primary (interviews, data requests) and secondary (web data) research.

Key Info
- Active years: 2010 - 2010
- Canadian

Related Publication
After completing a bachelor's degree in marine biology and zoology at James Cook University, Krista Greer joined the Sea Around Us in 2011 as a master's student focusing on global fishing effort and carbon dioxide emissions from marine fisheries from 1950 – 2010.

Once she graduated, she took on a research assistant position, working both on catch reconstructions and CO2 estimations.

Nowadays, she works as a nurse in Vancouver.

**Key Info**
- Active years: 2011 - 2019
- Canadian

**Related Publication**

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Kyrstn Zylich started with the Sea Around Us in 2011 as a volunteer and soon transitioned to a full-time research assistant position. During her time at UBC, she was instrumental in coordinating and finalizing countless catch-reconstruction reports and datasets, many in collaboration with colleagues across the globe.

After leaving the team, Kyrstn pursued an advanced degree in Occupational Therapy at the University of Alberta.

**Key Info**
- Active years: 2011 - 2016
- Canadian

**Related Publications**
AYLIN ULMAN  
Research Assistant

Dr. Aylin Ulman is the director of Mersea Consulting, where she specializes in fisheries and invasive species research in Turkey, and participates in larger-scale projects both globally and in the Mediterranean.

With the *Sea Around Us*, she started as a master's student and became a research assistant after graduation. Her focus was on the catch reconstruction of European countries, with a particular interest in Turkish and Mediterranean fisheries. After leaving UBC, she completed a Ph.D. jointly at the Université Paris-Sorbonne and the University of Pavia, Italy.

**Key Info**
- Active years: 2011 - 2014
- Turkish

**Related Publication**

CLAIRE HORNBY  
Research Assistant

After completing her bachelor's in Marine and Conservation Biology at the University of British Columbia, Claire Hornby joined the *Sea Around Us*. She worked on the catch reconstruction for several countries from 1950 to 2010.

Claire left the project to pursue a master's degree in Environmental Science at the University of Manitoba and now works as an Arctic Aquatic Biologist at Fisheries and Oceans Canada in Winnipeg.

**Key Info**
- Active years: 2011 - 2013
- Canadian

**Related Publication**
**ROBIN RAMDEEN**  
Research Assistant

Robin Ramdeen is the Site Manager for the Waitt Institute's Blue Halo Barbuda and Blue Halo Montserrat projects, and she is also the Program Manager for the institute's initiatives in the Maldives. She works closely with government and local stakeholders to advance marine spatial planning and sustainable fisheries projects and policies.

During her time as a research assistant with the *Sea Around Us*, Robin played a key role in documenting illegal, unreported and unregulated fisheries catches in the Caribbean.

**Key Info**
- Active years: 2011 - 2013
- Trinidadian

**Related Publication**

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**DEVRAJ CHAITANYA**  
Research Assistant

Devraj Chaitanya led the catch reconstruction for the Pitcairn Islands from 1950 to 2009. Devraj now works in construction as an assistant project manager.

**Key Info**
- Active year: 2011
- Canadian

**Related Publication**

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**CARMEN MOK**  
Research Assistant

After completing her studies in Physical Geography at Simon Fraser University, Carmen Mok joined the *Sea Around Us* for five months during which she conducted data gathering and processing tasks.

**Key Info**
- Active year: 2012
- Canadian
VANIA BUDIMARTONO
Research Assistant

Vania Budimartono joined the Sea Around Us upon graduating with a bachelor's degree in Science from the University of British Columbia. She conducted a systematic review and performed analyses on the reported and unreported sectors of Indonesian marine fisheries to reconstruct the official catch data.

After leaving UBC, Vania returned to Indonesia, developed a career in project management and, in 2019, came back to Canada to work at loyalty commerce company Points.

Key Info
- Active years: 2012 - 2013
- Indonesian

Related Publication

BEAU DOHERTY
Research Assistant

Although he first studied Civil/Environmental Engineering, Beau Doherty's passion for the oceans drove him to a non-profit in Madagascar focusing on small-scale fisheries.

He joined the Sea Around Us upon returning to Vancouver and worked on reconstructing catches for countries in the Western Indian Ocean, given his recent stint in that region.

In 2013, he left the project to pursue a master's at Simon Fraser University focusing on quantitative fisheries research. He now works as a fisheries analyst at Landmark Fisheries Research.

Key Info
- Active years: 2012 - 2013
- Canadian

Related Publication
ELISE BULTEL
Research Assistant

Elise Bultel is a fisheries engineer who studied at the Pierre and Marie Curie University, Paris. She now coordinates the biological data collection for the Institut Français de Recherche pour l'Exploitation de la Mer.

As a research assistant with the Sea Around Us, Elise conducted bibliographic searches and connected with local experts in order to prepare the catch reconstruction of Tanzania and France from 1950 to 2010. She also co-wrote various technical reports and scientific articles.

Key Info
- Active years: 2013 - 2014
- French

Related Publication

ALASDAIR LINDOP
Research Assistant

Alasdair Lindop works at the Hatfield Group as an environmental specialist focusing on sustainability in fisheries and aquaculture, a position that follows similar posts at Fisheries and Oceans Canada and Ocean Wise.

During his time with the Sea Around Us, Alasdair contributed to the reconstruction of fisheries catches spanning 60 years for Honduras, Ecuador, Colombia, Guatemala, some of the islands in the Caribbean Sea, Slovenia, and Belgium, among others.

Key Info
- Active years: 2012 - 2013
- British

Related Publications
GORDON TSUI
Research Assistant

Gordon Tsui started volunteering at the Sea Around Us before he finished his bachelor's in Science at UBC. He then became a research assistant working on resolving inconsistencies with catch data and updating the fishing agreements database. Later, he coordinated the work of other research assistants, wrote complex SQL queries to extract data and oversaw the development of the website, databases and API for the project. Gordon is now the Web Team Lead at FORM.

Key Info
- Active years: 2013 - 2020
- Canadian

Related Publication

ERIC SY
Research Assistant

Eric Sy is a senior DevOps engineer at SAP Software Solutions, a company he joined after completing a certificate in Computer Technology at the British Columbia Institute of Technology. Before this, he obtained a bachelor's degree in Science at the University of British Columbia, worked at UBC's Changing Oceans Research Unit and then joined the Sea Around Us. During his time with the project, Eric worked on the data verification process and quality assurance, as well as in custom data extractions and catch reconstructions.

Key Info
- Active years: 2014 - 2018
- Canadian

Related Publication
Brittany Derrick has a bachelor's degree in Biology from the University of British Columbia. During her studies, she worked as a research assistant at UBC, at the North Vancouver District Ecology Centre and at Agriculture and Agri-Food Canada, where she developed her interest in food security and sustainability.

Brittany joined the Sea Around Us soon after graduating and worked her way up, now serving as the Marine Catch Reconstructions Team Lead.

**Key Info**
- Active years: 2015 - present (on maternity leave)
- Canadian

**Related Publication**

Darcy Dunstan joined the Sea Around Us after finishing his bachelor's in Biology at the University of Victoria and conducting research in Tropical Ecology in Belize and Thailand.

At the project, Darcy focused on data quality control and updating catch reconstructions to 2014. This work allowed him to become proficient in manipulating large datasets in Excel. He now works as an aquaculture technician at the North Regional Technical and Further Education (TAFE) in Western Australia.

**Key Info**
- Active years: 2015 - 2019
- Canadian

**Related Publication**
RACHEL WHITE
Research Assistant

Rachel White obtained a bachelor’s degree in Animal Science in 2015 and immediately joined the Sea Around Us as a research assistant, helping update global maritime fisheries catch estimates. Her interest in marine life started during a practicum at the Vancouver Aquarium Marine Mammal Rescue Centre.

In 2016, Rachel joined the Marine Futures Lab at the University of Western Australia and in 2018, she switched to the newly created Sea Around Us - Indian Ocean where she worked as a fisheries data researcher.

Key Info
- Active years: 2015 - 2020
- Canadian

Related Publication

TIM CASHION
Research Assistant

After completing a master's in Environmental Studies at Dalhousie University focusing on the impacts of fishing gear on ecosystems and economic trade-offs associated with fisheries, Tim Cashion joined the Sea Around Us to assign an end use for all fish landings in the database. The goal of this project is to inform humanity’s historical and current use of fish landings.

Tim left the Sea Around Us to pursue a Ph.D. in Resource, Environment and Sustainability and now works as a senior data scientist at Lightspark Software Inc.

Key Info
- Active years: 2015 - 2018
- Canadian

Related Publication
SARAH POPOV
Research Assistant

Sarah Popov is a marine ecologist with a data science background, a bachelor's degree in Sustainability from McGill University and a master's degree in Biological Sciences from the University of Windsor. Popov joined the Sea Around Us in 2016 as a research assistant working on catch reconstructions, particularly for Russia and surrounding countries.

These days, Sarah is a freelance data analyst at Popov EcoData where she fills the gap between biologists trained in natural sciences and data analysts trained in computer sciences.

Key Info
- Active years: 2015 - 2018
- American and Canadian

Related Publication

MAEVE WINCHESTER
Research Assistant

Maeve Winchester joined the Sea Around Us while she was still completing her bachelor's degree in Biology at the University of British Columbia.

During her time with the project, she supported Krista Greer's work reconstructing global fishing effort. She also conducted research to update some of the content on our website.

Since 2017, Maeve has worked as a wildlife health biologist for the Government of British Columbia's Fish and Wildlife Branch.

Key Info
- Active years: 2015 - 2017
- Canadian

Related Publication
ANGIE COULTER
Research Assistant

Angie Coulter joined the *Sea Around Us* after completing her BSc in Biological Sciences at Simon Fraser University, specializing in aquatic ecology and conservation.

During her time with the project, Angie investigated global fishing effort, with a focus on Asian countries. She also researched the expansion of global tuna fisheries.

In 2018, she went on to pursue a master's in Forestry at the University of British Columbia and now works as an aquatic conservation biologist at the BC Ministry of Water, Land and Resource Stewardship.

**Key Info**
- Active years: 2015 - 2018
- Canadian

**Related Publication**

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AMY ROSE COGHLAN
Research Assistant

Amy Rose Coghlan studied at the University of Western Australia and the University of Otago in New Zealand and joined the *Sea Around Us* after a stint as a divemaster in Indonesia and travelling through Nicaragua and the United States.

As a research assistant, Amy worked on the catch reconstructions for a variety of countries. In 2018, she went back to Australia to pursue doctoral studies at the University of Tasmania's Institute for Marine and Antarctic Studies.

**Key Info**
- Active years: 2015 - 2017
- Australian

**Related Publication**
Dr. Lincoln Hood works as a technical writer at the Tangaroa Blue Foundation in Australia.

In 2023, she completed her Ph.D. at the University of Western Australia's School of Biological Sciences, which she joined in 2017. Until 2019, she also worked as a research assistant at the Sea Around Us - Indian Ocean.

Prior to that, Lincoln was a research assistant with the Sea Around Us at the University of British Columbia, where she co-led updates to the catch reconstructions of all maritime countries.

**Key Info**
- Active years: 2016 - 2019
- Canadian

**Related Publication**

Simon-Luc Noël holds a bachelor's degree in Oceanography and Biology from the University of British Columbia and a master's degree in Environmental Studies from Dalhousie University.

He joined the Sea Around Us shortly after finishing his undergrad studies and worked on updating catch reconstructions and developing a semi-automated routine to update the reconstructed catch data. Since 2022, Simon-Luc works as a stock assessment analytical biologist at Fisheries and Oceans Canada.

**Key Info**
- Active years: 2016 - 2021
- Canadian

**Related Publication**
JESSIKA WORONIAK
Research Assistant

Jessika Woroniak has a bachelor's degree in Science and a master's in Public Policy and Global Affairs from the University of British Columbia.

In 2017, she started volunteering with the Sea Around Us and quickly transitioned into a research assistant position. During her time with the project, Jessika supported the work on fishing effort and carbon dioxide estimations, as well as fish stock assessments using the CMSY methodology.

Nowadays, she is a policy research analyst focused on international ocean policy at Fisheries and Oceans Canada.

**Key Info**
- Active years: 2017 - 2021
- Canadian

**Related Publication**

REBECCA SCHIJNS
Research Assistant

Rebecca Schijns is a fisheries scientist at Oceana Canada where she focuses on fisheries and marine conservation issues to inform and support the goals of the NGO's campaigns.

Rebecca joined the Sea Around Us as a master's student under Dr. Daniel Pauly's supervision and upon graduation, transitioned into a research assistant position. She supported the development of a global marine fish stock assessment database to analyze the impacts of fishing on marine ecosystems.

**Key Info**
- Active years: 2018 - 2021
- Canadian

**Related Publications**
SYDNEY BAXTER
Research Assistant

Sydney Baxter obtained her undergraduate degree at the University of Guelph and did a master's in Coastal Marine Biology and Ecology at the University of Salento in Italy. During her studies, Sydney got her advanced SCUBA license which led to her involvement in coral reef restoration in Thailand.

At the Sea Around Us, her work focused on conducting CMSY stock assessments for a variety of species around the world, with a particular interest in the species around Belize and the Mesoamerican Reef. Sydney now works at Fisheries and Oceans Canada.

Key Info
- Active years: 2019 - 2023
- Canadian

Related Publication

ELAINE CHU
Research Assistant

Elaine Chu has a BSc in Biology from the University of Western Ontario and a post-degree diploma in Fisheries and Aquaculture from Vancouver Island University. Before moving to the West Coast, she worked for the Ontario government researching productivity and biodiversity in streams across the province.

At the Sea Around Us, Elaine has worked on marine catch reconstructions for several countries, updating the price database, data automation, and drawing figures for Dr. Daniel Pauly's papers.

Key Info
- Active years: 2019 - present
- Hongkongese and Canadian

Related Publication
MARÍA FRIAS
Research Assistant

María Frias-Donaghey has a bachelor's in Biology with a minor in Oceanography from the University of British Columbia. After spending two months at the Coastal Marine Research Station in Las Cruces, Chile, she joined UBC as a research assistant.

At the Sea Around Us, she collected and analyzed biological data to support catch reconstruction and stock assessment updates, and helped create timelines for project deliverables. In 2021, María moved to the US and she now works as an environmental specialist at the Colorado Springs Utilities.

Key Info
- Active years: 2019 - 2021
- Canadian

Related Publication

EMMALAI PAGE
Research Assistant

Emmalai Page has a bachelor's degree in Biology and Oceanography from the University of British Columbia and has worked at the CIMA Foundation of the University of Genoa and as a fisheries observer off the coast of British Columbia.

At the Sea Around Us, Emmie focused on updating the catch reconstructions to 2018 for several countries. Nowadays, she works as a salmon biologist for Fisheries and Oceans Canada's Species at Risk Team.

Key Info
- Active years: 2019 - 2020
- Canadian

Related Publication
COURTNEY BROWN
Research Assistant

Courtney Brown joined the *Sea Around Us* as a research assistant soon after completing her undergraduate studies in Marine Biology and Zoology at the University of Western Australia. During her time with the project, she contributed to the update to 2018 of the marine catch reconstruction for all countries. Courtney is now the Karajarri Women’s Ranger Coordinator in Australia.

**Key Info**
- Active years: 2019
- Australian

**Related Publication**

SHANNON BARRIE
Research Assistant

Shannon Barrie worked as a research assistant at the *Sea Around Us - Indian Ocean* while completing her undergraduate studies in Marine Biology at the University of Western Australia. Upon discovering the topic of fisheries science, she felt that the field combined her passion for the ocean and her desire to make a positive impact on people's lives.

**Key Info**
- Active years: 2020 - present
- Australian

KEANNA BURNS
Research Assistant

Keanna Burns has a bachelor's degree in Marine Biology and Sustainability from Dalhousie University. During her time with the *Sea Around Us*, she focused on reconstructing the marine fisheries catches of Socotra. After leaving the project, Keanna joined Simon Fraser University's Office for Aboriginal Peoples.

**Key Info**
- Active years: 2021 - 2022
- Canadian

**Related Publication**
MICA SMITH  
Research Assistant

Mica Smith joined the *Sea Around Us* as a master's student under Dr. Daniel Pauly's supervision after completing a bachelor's degree in Biology at the University of Victoria. Once she finished her MSc, Mica transitioned into a research assistant position working on reconstructing freshwater catches, starting with Africa and slowly moving on to cover many other countries.

**Key Info**
- Active years: 2020 - 2024
- Canadian

**Related Publication**

PATRICIA TIPAY  
Research Assistant

Patricia Tipay joined the *Sea Around Us* as she was putting the final touches to her Biology degree at the University of Victoria. She started with the project as a volunteer and quickly transitioned into a research assistant position reconstructing freshwater fisheries catches for every province in Canada from 1950 to 2020.

Patricia also contributes to the marine catch reconstruction work.

**Key Info**
- Active years: 2023 - present
- Filipino and Canadian

VICKY LEE  
Research Assistant

Vicky Lee studied Biology at the University of British Columbia and graduated in 2023, intending to continue into grad school with a focus on Data Science.

Her journey at the *Sea Around Us* started when she took directed studies with Dr. Daniel Pauly. Once she finished, Vicky moved into a student assistant position and later on into a research assistant position reconstructing Minnesota’s freshwater fisheries catches.

**Key Info**
- Active years: 2023 - present
- Canadian
STUDENT ASSISTANTS AND VOLUNTEERS.
Dr. Leonie Färber was a student assistant with the Sea Around Us in the interval between her undergrad and graduate studies. She worked on the marine catch reconstructions for Bosnia-Herzegovina, Puerto Rico and Taiwan from 1950 to 2010. She is now a postdoctoral fellow at the University of Hamburg.

**Key Info**
- Active years: 2014 - 2014
- German

Audrey Zhu is a Biology graduate from the University of British Columbia. During her studies, she joined the Sea Around Us and contributed to the update of the global fishing effort database. She now works at Environment and Climate Change Canada.

**Key Info**
- Active years: 2018 - 2019
- Canadian

RC Hernandez, an Environmental Science graduate from the University of British Columbia, conducted literature reviews to find anchor points that supported the Sea Around Us' catch reconstructions for different countries. He now works at Natural Resources Canada as a lead data analyst.

**Key Info**
- Active years: 2018 - 2019
- Canadian

Zoe Li joined the Sea Around Us when she was a UBC third-year student majoring in Natural Resource Conservation with a global perspective. During her time with the project, she used the R FishBase code to get ecological and biological parameters and determine how temperature affects fish distribution.

**Key Info**
- Active years: 2021 - 2022
- Chinese
YONADAV ANBAR
Student Assistant

Yonadav Anbar joined the Sea Around Us while completing a Biology and Environmental Studies degree at the University of Victoria. He contributed to the catch reconstruction work of countries in Africa, Antarctica, Europe and the North Atlantic.

After finishing his undergrad studies, Yonadav joined Oregon State University's Viticulture and Enology program. He is now the Vineyard Manager at Averill Creek Vineyard.

Key Info
- Active years: 2019 - 2020
- American

Related Publication

SAM TONG
Student Assistant

Sam Tong joined the Sea Around Us while completing his bachelor's degree in Geography with a focus on environment and sustainability at the University of British Columbia.

During his time with the project, Sam helped with the reconstruction work, updated catch distribution maps and sourced length-weight data for FishBase. He is now doing a master's in Sustainability Science at the University of Toronto and interning at PwC.

Key Info
- Active years: 2020 - 2023
- Chinese and Canadian

Related Publication
- McRae TM, Tong S and Palomares MLD (2022) Plugging life history gaps in FishBase with data on sharks and rays, p.43-51. In D Pauly and E Chu (eds.) Marine and Freshwater Miscellanea IV. Fisheries Centre Research Reports 30(4).
TESS MCCRAE
Student Assistant

Tess McRae supported the work of the Sea Around Us while she was a Biology undergrad student at the University of British Columbia. Her work focused on documenting gaps in growth parameters in FishBase and SeaLifeBase and conducting catch reconstructions.

Tess is now a master's student at UBC's Marine Mammal Research Unit investigating some of the issues endangering southern resident killer whales.

Key Info
- Active years: 2020 - 2021
- Canadian

Related Publication
- McRae TM, Tong S and Palomares MLD (2022) Plugging life history gaps in FishBase with data on sharks and rays, p.43-51. In D Pauly and E Chu (eds.) Marine and Freshwater Miscellanea IV. Fisheries Centre Research Reports 30(4).

TIFFANY MAK
Student Assistant

Tiffany Mak was studying to obtain a bachelor's degree in Global Resource Systems with a focus on Conservation and Asian Studies at the University of British Columbia when she joined the Sea Around Us.

During her time with the project, she worked with Dr. Verónica Relano, a Ph.D. student at the time, on literature reviews and stakeholder outreach aimed at developing a database and index to assess the effective implementation of Marine Protected Areas. Tiffany is now a business development assistant at the UBC Faculty of Science's Co-Op program.

Key Info
- Active years: 2021 - 2021
- Canadian

Related Publication
DARIA DENG
Student Assistant

Daria Deng became a member of the Sea Around Us while completing her bachelor's degree in Geology/Earth Sciences at the University of British Columbia. Her work focused on creating species distribution polygons of all new national species and species with high catches (>100t).

Key Info
- Active years: 2021 - 2022
- Chinese

ANUSHKA SINGH
Student Assistant

Anushka Singh was a Biology student at the University of British Columbia when she joined the Sea Around Us. Her work focused on updating the catch reconstruction for the Democratic Republic of Congo. She now works as a GIS analyst at Simon Fraser University.

Key Info
- Active years: 2021 - 2022
- Canadian

ANGELLA SHIN
Student Assistant

Angella Shin joined the Sea Around Us while pursuing a bachelor's degree in Biology and Oceanography at UBC. She helped update the fishing effort database, particularly for Canada, Bangladesh and North Korea. Angella is now part of the Fish Habitat Protection Program at Fisheries and Oceans Canada.

Key Info
- Active years: 2022
- Korean and Canadian

EDAYSI BUCIO
Volunteer

Edaysi Bucio was a volunteer with the Sea Around Us in the early days of the catch reconstruction work. She supported the reconstruction of marine fisheries catches for Honduras from 1950 to 2005. Edaysi is now the Fishery Analysis Manager for Latin America at Global Fishing Watch.

Key Info
- Active years: 2009
- Mexican
BRIDGET DOYLE  
Volunteer  

In the interim between her bachelor's and her master's studies, Bridget Doyle worked on reconstructing the Solomon Islands’ marine fisheries catches from 1950 to 2009. She is now a consultant at Ripple Environmental focusing on environmental stewardship in Indigenous communities.  

Key Info  
- Active years: 2011  
- Canadian

ROBERT HECHLER  
Volunteer  

Robert Hechler was a fourth-year biology student at the University of British Columbia when he volunteered with the Sea Around Us, supporting the catch reconstruction work. After leaving UBC, he went to McGill University for his master's and is now completing a Ph.D. at the University of Toronto.  

Key Info  
- Active years: 2019  
- Canadian

MATTHEW SHANG  
Volunteer  

Matthew Shang joined the Sea Around Us after graduating from the Vancouver Technical Secondary School. He supported the reconstruction of freshwater catches for all Canadian provinces. In 2023, he started his bachelor's in Computer Science and Statistics at the University of Illinois Urbana-Champaign.  

Key Info  
- Active years: 2022 - 2023  
- Canadian

LORINE GRANGY  
Volunteer  

As soon as she completed her bachelor's degree in Biodiversity Sciences at the Université Claude Bernard Lyon in France, Lorine Grangy flew to Vancouver and spent six weeks with the Sea Around Us working on the reconstruction of the freshwater catches of the Canadian province of Quebec from 1950 to 2020.  

Key Info  
- Active years: 2022  
- French
AZIZUL BARI
Volunteer

Md. Azizul Bari obtained his Ph.D. in environment and development from the National University of Malaysia in 2019. He has worked at the National University of Malaysia, START and the University of Philippines Los Baños.

While settling in Canada, given his wife Lubna Alam’s recent appointment at UBC’s Fisheries Economics Research Unit, Azizul is volunteering with the Sea Around Us hoping to gain a deeper understanding of fisheries-related data.

**Key Info**
- Active years: 2023 - present
- Bangladeshi

CHARLOTTE LA
Volunteer

Charlotte is a third-year undergraduate student at the University of Western Australia pursuing a bachelor’s in Marine Science and Accounting. She became interested in marine research through her love of the beach and nature documentaries.

In 2024, she decided to volunteer with the Sea Around Us - Indian Ocean to learn more about fisheries science and ocean conservation.

**Key Info**
- Active years: 2023 - present
- Australian

JETT GLEASON
Volunteer

Jett Gleason, an undergraduate in Biology at Dalhousie University, volunteered with the Sea Around Us during the summer of 2023. Her work focused on updating and reviewing eponyms in FishBase.

**Key Info**
- Active years: 2023
- Canadian
AIDEN MULLER
Volunteer

Aiden Muller is an undergraduate student in his final year at the University of Western Australia. He is completing a bachelor’s degree in Conservation Biology and Science Communication and since November 2023, has been volunteering with the Sea Around Us - Indian Ocean.

Aiden is passionate about analyzing comprehensive data to help conserve marine ecosystems and is fuelled by a strong love for the ocean.

Key Info
- Active years: 2023 - present
- Australian

DILLON NG
Volunteer

Dillon Ng is an undergraduate student in his final year at the University of Western Australia, completing a bachelor's in marine Biology and Oceanography. He works with the Western Australia Department of Primary Industries and Regional Development in a voluntary capacity and, starting in May 2024, joined the Sea Around Us - Indian Ocean as a volunteer to work with fisheries data and develop a greater understanding of fisheries impacts on marine ecosystems.

Dillon has an intense passion for R coding and fisheries science.

Key Info
- Active years: 2024
- Australian

DANIELLA KIM
Volunteer

Daniella Kim, an undergraduate Science student at the University of British Columbia, volunteered with the Sea Around Us in the summer of 2024. Her work was centred on conducting a literature review aimed at updating the catch price database.

Key Info
- Active years: 2024
- Korean
PHD AND MASTER’S STUDENTS.
SCOTT WALLACE
PhD Student

Scott Wallace was supervised by Dr. Daniel Pauly during his Ph.D. studies focused on the impacts of fisheries on marine ecosystems, biological diversity and the role of marine protected areas in British Columbia.

After graduating, he spent 15 years as a senior researcher at the David Suzuki Foundation. Nowadays, he is the owner-operator of Outer Shores Lodge on the west coast of Vancouver Island and teaches courses at the North Island College’s Adventure Guiding program and UBC’s Haida Gwaii Institute.

Key Info
- Active years: 1996 - 1999
- Canadian

Related Publication

KRISTIN KASCHNER
PhD Student

After studying in Germany and the UK, Kristin Kaschner landed in Canada to pursue a Ph.D. in Zoology focused on modelling and mapping resource overlap between marine mammals and fisheries on a global scale.

Kristin’s work established that the majority of marine mammal consumption is on fish species that are not suitable for human consumption, and/or occur in areas that are not commercially viable for fisheries, thus counteracting the arguments of the whaling industry. She now works as an associate researcher at the University of Freiburg.

Key Info
- Active years: 1999 - 2005
- German

Related Publication
DAVID PREIKSHOT
PhD Student

Following an MSc under the supervision of Dr. Daniel Pauly, David Preikshot completed a Ph.D. under the joint supervision of Dr. Pauly and Dr. Villy Christensen focusing on ecosystem modelling with an emphasis on the influence of the geographic scale on trophic dynamics.

After completing his studies, David worked for consultancy firms and Fisheries and Oceans Canada. He is now a senior environmental specialist for the Municipality of North Cowichan, British Columbia, Canada.

Key Info
- Active years: 2000 - 2007
- Canadian

Related Publication

AHMED GELCHU
PhD Student

Ahmed Gelchu's Ph.D., supervised by Dr. Daniel Pauly, focused on the spatial distribution of the world’s port-based fishing fleet from 1970-1995, the first evaluation of this kind.

After completing his studies, he went on to work for BC Hydro and he is now an independent scientist conducting environmental study designs and providing technical oversight, technical expertise and quality control.

Key Info
- Active years: 2001 - 2007
- Ethiopian and Canadian

Related Publications
LYNE MORISSETTE
PhD Student

After working on ecotoxicology for her bachelor's and wildlife and habitat management for her master's, Lynn Morisette moved from the East to the West Coast of Canada to pursue a Ph.D. in Zoology.

Under Dr. Daniel Pauly's supervision, Lyne conducted research on the ecology of marine mammals and their interactions with fisheries, as well as ecosystem resilience. She is now the CEO of the consultancy M - Expertise Marine.

Key Info
- Active years: 2001 - 2007
- Canadian

Related Publications

THOMAS OKEY
PhD Student

Thomas Okey did his Ph.D. under Dr. Daniel Pauly's supervision, focusing on the mechanisms behind shifted community states in four marine ecosystems.

Once he left the University of British Columbia, Thomas developed a career as an aquatic ecosystem expert working for CSIRO - Australia's science agency-, the Bamfield Marine Sciences Centre, West Coast Aquatic and the 'Namgis First Nation. More recently, he became associate faculty at Royal Roads University.

Key Info
- Active years: 2001 - 2004
- American

Related Publication
DAWIT TESFAMICHAEL
PhD Student

Dawit Tesfamichael joined the Sea Around Us to work, as a Ph.D. student, on the reconstruction of historical fish catches in the countries bordering the Red Sea, analyzing the dynamics of its small-scale fisheries and modelling the Red Sea Large Marine Ecosystem.

Dawit’s work led to the publication of a 2016 book on the Red Sea ecosystem and fisheries.

Key Info
- Active years: 2002 - 2013
- Eritrean

Related Publications

BRAJGEET BHATHAL
PhD Student

Dr. Brajgeet Bhathal is an Integrated Management System (IMS) consultant, environmental/aquatic biologist and ecologist with an affinity for natural resources management and conservation. She is currently a member of the City of Brampton Environment Advisory Committee.

Brajgeet did both her master’s and Ph.D. studies at the University of British Columbia under the supervision of Dr. Daniel Pauly. She worked on historical reconstructions of Indian marine fisheries catches as the basis for testing the ‘Marine Trophic Index’ and examined the growth of fishing effort in 13 maritime areas of India from 1950 to the near-present to map a sustainable future for India’s marine fisheries.

Key Info
- Active years: 2002 - 2005
- Indian and Canadian

Related Publication
ROBYN FORREST
PhD Student

After completing a bachelor's degree at the University of Sydney, Robyn Forrest moved to Canada and did a Ph.D. under the supervision of Dr. Tony Pitcher. Her focus was on modelling approaches to help improve management advice in the data-limited fisheries of southeastern Australia. Robyn also edited the Sea Around Us newsletter.

Since 2009, she has worked at Fisheries and Oceans Canada as a researcher in the Quantitative Assessment Methods Section.

Key Info
- Active years: 2002 - 2008
- Australian

Related Publication

TELMO MORATO
PhD Student

For his Ph.D. thesis under Dr. Tony Pitcher's supervision, Telmo Morato investigated the functioning of seamount ecosystems and the impact of fishing in such ecosystems. Also, jointly with Dr. Daniel Pauly, he demonstrated that global landings of marine fishes have shifted to deeper water species over the last 50 years.

After graduating, Telmo continued collaborating with the Sea Around Us, while running research contracts with the Institute of Marine Research (IMAR) and the University of the Azores. Currently, he co-leads with Marina Carreiro-Silva, the Azores Deep-sea Ecology project at the UAc.

Key Info
- Active years: 2002 - 2006
- Portuguese

Related Publication
DALE MARSDEN
PhD Student

During his Ph.D. supervised by Dr. Rashid Sumaila, Dale Marsden examined the past and future biology and economics of the Fraser River sockeye salmon fishery using a simulation modelling approach. He also looked into the trade-offs between economic benefits and conservation risk in the future fishery, and how these trade-offs would be affected by changes in underlying ecological conditions.

After graduating, Dale worked as a professor at Korea's Pukyong National University. Upon his return to Canada, he joined the Department of Fisheries and Oceans where he is now the deputy director of International Fisheries Policy.

Key Info
- Active years: 2003 - 2012
- Canadian

Related Publication

LOUISA WOOD
PhD Student

After doing a master's in Tropical Coastal Management at Newcastle University, Louisa Wood pursued a Ph.D. under Dr. Daniel Pauly's supervision. Based on preliminary work by the World Conservation Data Center, Louisa created a database with the size, location and other information on over 4,000 marine protected areas, called MPAGlobal.

After graduating, she worked for the International Union for Conservation of Nature, the UN Environment Programme’s World Conservation Monitoring Centre and the Raspberry Pi Foundation. She is now the COO of Mereside Medical in the UK.

Key Info
- Active years: 2003 - 2007
- British

Related Publication
COLETTE WABNITZ
PhD Student

After completing her master's in Tropical Coastal Management at the University of Newcastle-upon-Tyne, Colette Wabnitz joined the Sea Around Us and did a Ph.D. focusing on marine sea turtle conservation and ecosystem-based management, with emphasis on green turtles and seagrass ecosystems.

An interdisciplinary marine scientist seeking to understand how socio-ecological systems respond to change, Colette is now a research associate at the University of British Columbia's Changing Oceans Research Unit and a lead scientist at Stanford’s Center for Ocean Solutions.

Key Info
- Active years: 2004 - 2010
- French and German

Related Publication

PRAMOD GANAPATHIRAJU
PhD Student

Dr. Pramod Ganapathiraju is an independent consultant focusing on illegal fishing, monitoring control and surveillance (MCS), fisheries compliance, catch certification, fisheries inspections and enforcement data management projects.

Pramod did his Ph.D. at the University of British Columbia focusing on estimating illegal and unreported catches from India under the supervision of Dr. Tony Pitcher and producing data for the use of the Sea Around Us.

Key Info
- Active years: 2006 - 2012
- Indian and Canadian

Related Publication
FRED LE MANACH
PhD Student

After completing his bachelor's degree at the University of Paris and a master's that took him to Marseille, Plymouth and Cadiz, Frédéric Le Manach joined the Sea Around Us as an intern working on the reconstruction of Madagascar's fisheries catches.

For his Ph.D. under the co-supervision of Drs. Daniel Pauly and Philippe Cury, Fred looked at fisheries access agreements established by the European Commission — on behalf of its industrial fleets — with developing countries. Since 2015, he has worked at the BLOOM Association on projects aimed at producing ecologically and socially viable fisheries models.

Key Info
- Active years: 2011 - 2014
- French

Related Publication

VERÓNICA RELAÑO
PhD Student

Verónica Relaño started her university life by pursuing two degrees at the University of Cadiz, one in Marine Sciences and the other in Environmental Sciences, followed by a master's in Marine Environment and Resources through the Erasmus Mundus Master program.

After working at the Technical University of Munich, she moved to Canada to pursue a Ph.D. under Dr. Daniel Pauly’s supervision focusing on connectivity and other marine conservation issues within and between marine protected areas. She is now an independent consultant on MPAs.

Key Info
- Active years: 2019 - 2022
- Spanish

Related Publication
KRISTINA HEIDRICH
PhD Student

Kristina Heidrich studied at the Johannes Gutenberg University of Mainz and the University of Hamburg before moving to Australia to pursue her Ph.D. at the University of Western Australia's Sea Around Us - Indian Ocean initiative, under the supervision of Drs. Dirk Zeller and Jessica Meeuwig.

Kristina's research emphasized the fisheries, management and governance of large pelagic species in the Indian Ocean and worldwide. She is now the Managing Senior Scientist at Oceanwise Australia, where she oversees projects related to effective environmental management and monitoring.

**Key Info**
- Active years: 2020 - 2023
- German

**Related Publication**

VANIA ANDREOLI
PhD Student

Vania Andreoli completed her master's in Environmental Economics and Policy at the University of Turin and in 2013, moved to Australia where she became fascinated with the ocean.

For her Ph.D. at the Sea Around Us - Indian Ocean, she is analyzing the nutritional composition of marine fisheries catches, with a focus on the Indian Ocean, to quantify available fisheries-derived nutrients. She is also examining the impacts on nutritional security and equity of harmful fisheries subsidies.

**Key Info**
- Active years: 2021 - present
- Italian

**Related Publication**
RANG KEAWSANG
PhD Student

Rangsiwut Keawsang did his bachelor's and master's studies at Thailand's Kasetsart University, in whose Faculty of Fisheries he worked as a research assistant later on.

In 2022, he moved to Australia and, for his Ph.D. under the supervision of Drs. Dirk Zeller and Jessica Meeuwig, is examining the development of Thai fisheries within the Thai Exclusive Economic Zones over the last 70+ years through the historical reconstruction of fisheries data in a joint project of the Sea Around Us - Indian Ocean and the University of Western Australia’s Marine Futures Lab.

Key Info
- Active years: 2022 - present
- Thai

Related Publication

JULIEN MAGNE
PhD Student

As soon as he completed his master's degree in Marine and Fisheries Management and Aquaculture at the University Pascale Paoli in Corsica in 2023, Julien Magne moved continents and landed at the University of Western Australia.

For his Ph.D., which is a joint project of the Marine Futures Lab and the Sea Around Us - Indian Ocean and is being conducted under the supervision of Drs. Dirk Zeller and Jessica Meeuwig, he is focusing on the effects of protection of fish communities in remote locations around the world.

Key Info
- Active years: 2024 - present
- French

Related Publication
- Magne J. The effects of protection of fish communities at remote locations around the world (in preparation).
Alasdair Beattie is a fisheries biologist with extensive knowledge of natural resource management who has been working at Fisheries and Oceans Canada for the past 19 years.

In 1997, after working for a few years as a fisheries observer, Alasdair started his master's studies at the University of British Columbia under the supervision of Dr. Daniel Pauly. His goal was to identify the most appropriate locations for marine protected areas. During his studies, he also worked at UBC's Fisheries Centre as a consulting biologist with an emphasis on multi-species tropho-dynamics and fishing fleet dynamics.

Key Info
- Active years: 1997 - 2001
- Canadian

Related Publication

Dr. Laura Vidal-Hernández pursued master's studies at the University of British Columbia after almost a decade working on different projects at Mexico's National Fisheries Institute.

For her MSc thesis, Laura developed a method for aggregating ecosystem (Ecopath) models into a combined model for a larger area and applied it to the Gulf of Mexico.

Later, she did a Ph.D. at Mexico's Center for Research and Advanced Studies of the National Polytechnic Institute and now teaches at the National Autonomous University of Mexico.

Key Info
- Active years: 1997 - 2000
- Mexican

Related Publication
- Vidal-Hernandez L and Pauly D (2005) Integration of subsystem models as a tool toward describing feeding interactions and fisheries impacts in a Large Marine Ecosystem, the Gulf of Mexico. Ocean and Coastal Management 47: 709-725.
STEVEN WATKINSON
MSc Student

Stephen Watkinson joined the University of British Columbia in 1998 as a master's student working on the importance of salmon carcasses in watershed function.

During his time at UBC’s Fisheries Centre (now Institute for the Oceans and Fisheries), Stephen also explored ways to access the traditional ecological knowledge of British Columbia's First Nations through local common names in FishBase.

Upon graduation, he worked as a resource manager of First Nations fisheries at Fisheries and Oceans Canada, where he is now a senior reconciliation implementation advisor.

Key Info
- Active years: 1998 - 2001
- Canadian

Related Publication

ANDREA HUNTER
MSc Student

Andrea Hunter did her master's studies at the University of British Columbia under the co-supervision of Drs. Daniel Pauly and Andrew Trites. For her graduate thesis, she developed a multiple regression model for predicting the energy requirements of all species of marine mammals.

Upon graduation, Andrea worked at LGL Limited Environmental Research Associates and then decided to switch gears and apply her ability to decipher patterns to conduct large-scale analyses of financial data. She now leads AMJ Hunter CPA.

Key Info
- Active years: 1999 - 2005
- Canadian

Related Publication
AMY SHIBASAKI
MSc Student

Amy Shibasaki (formerly Poon) joined the Sea Around Us in its early days, after completing her bachelor's degree in biology and English at the University of British Columbia. During her studies, she performed a quantitative estimate of ghost fishing of crabs and lobsters by traps. Together with Yvette Rizzo, she also acted as rapporteur at several Sea Around Us workshops.

After finishing her master's, Amy started working on science outreach at the Vancouver Aquarium and has continued developing her career in marketing, now directing the e-commerce section of Source Office Furnishings.

Key Info
- Active years: 1999 - 2005
- Canadian

Related Publication

ARAN KAY
MSc Student

Right after finishing his bachelor's degree at the University of British Columbia, Aran Kay started his master's focusing on the harvesting of the opossum shrimp in the Okanagan Lake.

Upon graduation, Aran decided to switch gears and develop a career in marketing, which led him to work at Kellogs, the Richmond Olympic Oval, TELUS, and the Pacbrake Company.

Key Info
- Active years: 1999 - 2002
- Canadian

Related Publications
ANDREA COOMBS
MSc Student

Andrea Coombs joined the University of British Columbia at the turn of the century to pursue a master's degree with an emphasis on modelling contaminant impacts on marine mammals and human health in the eastern Bering Sea using Ecopath, Ecosim and Ecotracer software.

After conducting research for a few years, she obtained a Ph.D. from Imperial College London, worked in Zambia and, in 2016, returned to Vancouver. Andrea is now the Manager of Wild Animal Welfare at the British Columbia Society for the Prevention of Cruelty to Animals.

Key Info
- Active years: 2000 - 2004
- Canadian

Related Publication

SARIKA CULLIS-SUZUKI
MSc Student

Sarika Cullis-Suzuki completed her master's studies with Dr. Daniel Pauly focusing on the global effectiveness of Regional Fisheries Management Organizations (RFMOs) as determined by the status of the fish stocks for which they are responsible. She presented her results before the UN and EU bodies.

Sarika continued her education with a Ph.D. at the University of York investigating the effects of noise on fish, and then developed a career in media, hosting documentaries, programmes and podcasts for outlets such as CBS and PBS.

Key Info
- Active years: 2006 - 2009
- Canadian

Related Publications
LAURA TREMBLAY-BOYER
MSc Student

During her master's studies, Laura Tremblay-Boyer researched the effects of global fisheries on the biomass of marine ecosystems using the Ecopath model developed by Dr. Didier Gascuel, a collaborator of the Sea Around Us. After graduation, she worked at Dragonfly Data Science in New Zealand, where she performed catch-per-unit effort standardization, spatiotemporal modelling and stock assessments of shark, ray, billfish, shellfish, seabirds and marine mammal populations. She now works at Australia’s Commonwealth Scientific and Industrial Research Organisation.

Key Info
- Active years: 2007 - 2010
- Canadian

Related Publication

LINE CHRISTENSEN
MSc Student

During her master's studies at the University of British Columbia, Line Bang Christensen used advanced modelling techniques and datasets to reconstruct the historical abundances of all marine mammals at a global scale. She found a 22 per cent decline in numbers and a 76 per cent drop in biomass.

Once she finished her MSc, Line worked at the Pacific Biological Station (PBS) and then went on to study law.

Key Info
- Active years: 2007 - 2009
- Danish and Canadian

Related Publication
MICHELLE PALECZNY
MSc Student

Michelle Paleczny started her master's studies at the University of British Columbia in 2008 with the goal of continuing Vasiliki Karpouzi's research on global seabird population abundance and food consumption since 1950, and how they were being impacted by fisheries. She found a 70 per cent decline caused by overfishing of seabird prey fish, death from entanglement in fishing gear, ingestion of plastic garbage, oil pollution, and climate change.

Michelle is now a resource management officer at Parks Canada.

Key Info
- Active years: 2008 - 2015
- Canadian

Related Publication

LEAH BIERY
MSc Student

After completing her bachelor's degree at North Carolina State University, Leah Biery joined the University of British Columbia to pursue master's studies with the objective of examining the magnitude of global shark fin trade using catch data.

Since graduating, Leah has worked for non-profit organizations such as the Sanibel Sea School and Mind Your Line, an initiative to reduce the impacts of improperly discarded fishing gear. She is now the Director of Tampa Bay Watch's Discovery Center, an NGO that works on habitat restoration and protection.

Key Info
- Active years: 2010 - 2015
- American

Related Publication
Lisa Boonzaier studied Biological Sciences at the University of Cape Town and soon after graduation, started working in publishing for BigFig Digital Media.

In 2011, Lisa turned her focus back to science and pursued a master's degree at the University of British Columbia, where she conducted a global assessment of the effectiveness of marine protected area management. During this time, she also worked as the editor of the *Sea Around Us* newsletter. Combining her passion for science and outreach, she now works for the Save Our Seas Foundation's Conservation Media Unit.

**Key Info**
- Active years: 2011 - 2014
- South African

**Related Publication**

Laurenne Schiller
MSc Student

After completing her bachelor's degree at the University of Guelph, Laurenne Schiller crossed Canada to do her master's at the University of British Columbia. For her research, she used catch data to assess the ecological impacts of commercial tuna fisheries in the Pacific Ocean at varying spatial scales.

Upon graduation, Laurenne worked for the sustainable seafood recommendation program Ocean Wise and later completed a Ph.D. at Dalhousie University. She is now a Liber Ero Postdoctoral Fellow at Carleton University.

**Key Info**
- Active years: 2011 - 2014
- Canadian

**Related Publication**
MADELINE CASHION
MSc Student

Madeline Cashion completed a bachelor's degree at Dalhousie University and, in 2015, joined the University of British Columbia for her master’s studies, focusing on shark and ray catches in the Mediterranean and Black Sea fisheries.

Once she finished her graduate studies, Madeline worked for UBC's Changing Ocean Research Unit evaluating the current knowledge of climate impacts on the ocean. Then she joined the environmental consultancy firm Hemmera. She now works as a marine species at risk recovery planner at Fisheries and Oceans Canada.

Key Info
- Active years: 2015 - 2018
- Canadian

Related Publication

MATTHEW ANSELL
MSc Student

After completing his bachelor's degree at the University of Western Australia, Matthew Ansell worked as a research assistant at UWA and then joined the recently created Sea Around Us - Indian Ocean as a master's student.

During his MSc, Matt focused on updating the maritime fisheries catch reconstruction for India’s Mainland EEZ. He found that reported data under-represent actual catches by 6.7 per cent since 1950, primarily due to the underestimation of small-scale fisheries and discarded catches.

Key Info
- Active years: 2019 - 2020
- Australian

Related Publication
AMY MCAULPINE
MSc Student

Amy McAlpine did her master's studies with the Sea Around Us - Indian Ocean at the University of Western Australia. Her research focused on improving the quality of marine fisheries statistics in Kenya by reconstructing reported and unreported catches.

After graduating, Amy worked as a research assistant at the Sea Around Us - Indian Ocean and is now a marine environmental scientist at consultancy RPS Australia Asia Pacific.

Key Info
- Active years: 2019 - 2020
- Australian

Related Publication

AIDAN SCHUBERT
MSc Student

Aidan Schubert joined the Sea Around Us - Indian Ocean as a master's student after completing his bachelor's degree at the University of Western Australia and spending a semester in Canada. His research focused on examining the inland (freshwater) fisheries of Kenya.

Upon graduation, Aidan worked for the North Pacific Anadromous Fish Commission as the International Year of the Salmon High Seas Expedition coordinator. He is now a marine biologist planner for the Council of the Haida Nation in Canada.

Key Info
- Active years: 2019 - 2020
- Australian

Related Publication
Jane Yang has a bachelor's degree in Biological Sciences from the University of Brasilia and a master's degree from the University of Western Australia.

At UWA, she was part of the Sea Around Us - Indian Ocean and conducted research on Timor Leste's marine fisheries catches.

Nowadays, Jane works as a senior field team supervisor at the Department of Primary Industries & Regional Development in Perth.

Key Info
- Active years: 2019 - 2020
- Brazilian

Related Publication

Melanie Warren completed a bachelor's degree at the University of Guelph and worked as an aquarist at Ripley's Aquarium of Canada before moving from eastern to western Canada to pursue master's studies at the University of British Columbia.

During her time with the Sea Around Us, she researched the role of urea and oxygen in the relationship between length at first maturity and maximum length in sharks, rays and chimaeras.

Key Info
- Active years: 2020 - 2023
- Canadian

Related Publications
ANNA LUNA ROSSI
MSc Student

Anna Luna Rossi grew up between the lakes of Quebec and the Mediterranean Coast of France, where she developed a close relationship with the water. She completed her bachelor's degree at the University of Montreal, specializing in Biodiversity, Ecology and Evolution.

After eco-volunteering in Southeast Asia for a year, Anna Luna returned to Canada to pursue master's studies under the supervision of Dr. Daniel Pauly. She is focusing on the reconstruction of marine fisheries catches of Saint Pierre and Miquelon, which will be later integrated into an Ecopath model.

Key Info
- Active years: 2023 - present
- French

ARYAN KOTHARI
MSc Student

Aryan Kothari studied marine biology in India and, in 2023, moved to Perth to start his master’s studies at the Sea Around Us - Indian Ocean. His project involves examining the nutritional and sustainability profile of the Western Australian seafood market supply, including considerations of exports and imports.

Through his research, Aryan hopes to improve society’s understanding of the benefits of locally caught sustainable seafood, which also has a direct link to public health policy.

Key Info
- Active years: 2023 - present
- Indian

Related Publication
- Kothari A. Nutritional profile of the Western Australian seafood market supply: local production and import/export (in preparation).
VISITING INTERNATIONAL STUDENTS.
**LEA BOISTOL**  
Visiting Student

During her time with the *Sea Around Us*, Lea Boistol contributed to the marine fisheries catch reconstruction of different countries, islands and territories such as Mauritius and its outer islands and Seychelles.

**Key Info**
- Active years: 2010 - 2010
- French

**Related Publication**

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**ISAAC TRINDADE-SANTOS**  
Visiting Student

Isaac Trindade-Santos visited the *Sea Around Us* while completing his bachelor's degree in Fish and Fisheries Biology at the Universidade Federal de Sergipe in Brazil. He later obtained a master's degree from the same university and a Ph.D. in Biology from the University of St Andrews.

During his time in Vancouver, Isaac worked on the reconstruction of catch statistics for Brazilian marine waters from 1950 to 2010. He has continued to contribute to the *Sea Around Us*, as well as to our partners FishBase and AquaMaps.

**Key Info**
- Active years: 2012 - 2013
- Brazilian

**Related Publication**
LU ZHAI
Visiting International Research Student

After obtaining a master's degree in Fisheries Resources at the Ocean University of China, Lu Zhai continued into a Ph.D. program that brought her to the University of British Columbia for a couple of years.

Under the supervision of Dr. Daniel Pauly, Lu conducted research on the resource status and population dynamics of Chinese fisheries with the goal of proposing ecosystem-based management solutions that guarantee the sustainability of marine resources.

Key Info
- Active years: 2018 - 2020
- Chinese

Related Publications

CUI LIANG
Visiting International Research Student

Cui 'Elsa' Liang is a marine biologist from the Ocean University of China with a master's degree in marine ecology from the Institute of Oceanology of the Chinese Academy of Sciences and a Ph.D. from Xiamen University.

In 2015, before finishing her doctorate, Elsa spent a year with the Sea Around Us learning about the application of the CMSY stock assessment method and conducting different analyses on the impact of fisheries in Chinese coastal ecosystems.

Key Info
- Active years: 2015 - 2016
- Chinese

Related Publications
CHENGPU JIANG
Visiting International Research Student

Chengpu Jiang visited the Sea Around Us while completing her Ph.D. at Xiamen University. Her research focused on the structure of fish communities in mangrove ecosystems, fish diversity and fisheries management. In detail, she collaborated with Dr. Daniel Pauly on assessing and predicting the status of fishery resources in mangrove ecosystems, especially in China.

Key Info
- Active years: 2020 - 2022
- Chinese

Related Publications

LUCAS MARTINANGELI
Visiting International Research Student

While pursuing his master's studies in Agronomy at France's Institut Agro Rennes-Angers, Lucas Martinangeli worked for a few months with the Sea Around Us at the University of British Columbia. His research focused on the global catch of commercial sponges. His results were later on incorporated into the Sea Around Us database.

Lucas now works at MIGSO-PCUBED procuring project management to the Naval Group.

Key Info
- Active years: 2020 - 2021
- French

Related Publication
Zhaomin ‘Zoe’ Chen is from Qingdao, a coastal city in eastern China, where she is completing her Ph.D. at the Institute of Oceanology of the Chinese Academy of Sciences.

During her time at the University of British Columbia, Zoe is working on the fisheries resources of the Yangtze Estuary, with emphasis on the limiting effects of dissolved oxygen on fish’s growth and reproduction.

Key Info
- Active years: 2023 - 2024
- Chinese

Hans Christian Groß has a bachelor's degree in Biology from Philipps-Universität Marburg and is now pursuing a master's degree in Biodiversity and Conservation.

In 2022, he had a summer job at a marine research station in Quebec and decided to return to Canada in 2024, this time as a visiting scholar hosted by the Sea Around Us.

Hans Christian's work is focused on updating the reconstruction of freshwater and marine fisheries catches in Alaska.

Key Info
- Active years: 2024
- German
THE PEOPLE IN THE SEA AROUND US
1999 - 2024
# Alphabetical Index

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Al-Abdulrazzak</td>
<td>Dalal</td>
<td>31</td>
</tr>
<tr>
<td>Alder</td>
<td>Jackie</td>
<td>15</td>
</tr>
<tr>
<td>Alojado</td>
<td>Zoraida</td>
<td>56</td>
</tr>
<tr>
<td>Anbar</td>
<td>Yonadav</td>
<td>77</td>
</tr>
<tr>
<td>Andreoli</td>
<td>Vania</td>
<td>92</td>
</tr>
<tr>
<td>Ansell</td>
<td>Matthew</td>
<td>101</td>
</tr>
<tr>
<td>Anticamara</td>
<td>Jonathan</td>
<td>31</td>
</tr>
<tr>
<td>Arness (prev. Veicht)</td>
<td>Liane</td>
<td>55</td>
</tr>
<tr>
<td>Bailey</td>
<td>Megan</td>
<td>43</td>
</tr>
<tr>
<td>Bailly</td>
<td>Nicolas</td>
<td>39</td>
</tr>
<tr>
<td>Bale</td>
<td>Sarah</td>
<td>52</td>
</tr>
<tr>
<td>Bari</td>
<td>Azizul</td>
<td>81</td>
</tr>
<tr>
<td>Baron</td>
<td>Nancy</td>
<td>43</td>
</tr>
<tr>
<td>Barrie</td>
<td>Shannon</td>
<td>73</td>
</tr>
<tr>
<td>Baxter</td>
<td>Sydney</td>
<td>71</td>
</tr>
<tr>
<td>Beattie</td>
<td>Alasdair</td>
<td>94</td>
</tr>
<tr>
<td>Beblow</td>
<td>Jordan</td>
<td>49</td>
</tr>
<tr>
<td>Belhabib</td>
<td>Dyhia</td>
<td>17</td>
</tr>
<tr>
<td>Bhathal</td>
<td>Brajgeet</td>
<td>87</td>
</tr>
<tr>
<td>Biery</td>
<td>Leah</td>
<td>99</td>
</tr>
<tr>
<td>Boistol</td>
<td>Lea</td>
<td>106</td>
</tr>
<tr>
<td>Boonzaier</td>
<td>Lisa</td>
<td>100</td>
</tr>
<tr>
<td>Booth</td>
<td>Shawn</td>
<td>46</td>
</tr>
<tr>
<td>Brotz</td>
<td>Lucas</td>
<td>30</td>
</tr>
<tr>
<td>Brown</td>
<td>Courtney</td>
<td>73</td>
</tr>
<tr>
<td>Bucio</td>
<td>Edaysi</td>
<td>79</td>
</tr>
<tr>
<td>Buck</td>
<td>Kenneth</td>
<td>54</td>
</tr>
<tr>
<td>Budimartono</td>
<td>Vania</td>
<td>62</td>
</tr>
<tr>
<td>Bultel</td>
<td>Elise</td>
<td>63</td>
</tr>
<tr>
<td>Burns</td>
<td>Keanna</td>
<td>73</td>
</tr>
</tbody>
</table>

1 We apologize for any person that we may have omitted
# Alphabetical Index

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Campbell</td>
<td>Brooke</td>
<td>50</td>
</tr>
<tr>
<td>Campbell</td>
<td>Marina</td>
<td>41</td>
</tr>
<tr>
<td>Cashion</td>
<td>Tim</td>
<td>66</td>
</tr>
<tr>
<td>Cashion</td>
<td>Madeline</td>
<td>101</td>
</tr>
<tr>
<td>Casison</td>
<td>Rosalie</td>
<td>37</td>
</tr>
<tr>
<td>Chaitanya</td>
<td>Devraj</td>
<td>61</td>
</tr>
<tr>
<td>Chen</td>
<td>Zhaomin</td>
<td>109</td>
</tr>
<tr>
<td>Cheung</td>
<td>William</td>
<td>21</td>
</tr>
<tr>
<td>Christensen</td>
<td>Villy</td>
<td>12</td>
</tr>
<tr>
<td>Christensen</td>
<td>Line</td>
<td>98</td>
</tr>
<tr>
<td>Chu</td>
<td>Elaine</td>
<td>71</td>
</tr>
<tr>
<td>Close</td>
<td>Christopher</td>
<td>38</td>
</tr>
<tr>
<td>Coghlan</td>
<td>Amy</td>
<td>68</td>
</tr>
<tr>
<td>Colleter</td>
<td>Mathieu</td>
<td>33</td>
</tr>
<tr>
<td>Coombs</td>
<td>Andrea</td>
<td>97</td>
</tr>
<tr>
<td>Copeland</td>
<td>Duncan</td>
<td>20</td>
</tr>
<tr>
<td>Coulter</td>
<td>Angie</td>
<td>68</td>
</tr>
<tr>
<td>Cullis-Suzuki</td>
<td>Sarika</td>
<td>97</td>
</tr>
<tr>
<td>Day</td>
<td>Catriona</td>
<td>37</td>
</tr>
<tr>
<td>Deng</td>
<td>Daria</td>
<td>79</td>
</tr>
<tr>
<td>Derrick</td>
<td>Brittany</td>
<td>65</td>
</tr>
<tr>
<td>Doherty</td>
<td>Beau</td>
<td>62</td>
</tr>
<tr>
<td>Doyle</td>
<td>Bridget</td>
<td>80</td>
</tr>
<tr>
<td>Dunstan</td>
<td>Darcy</td>
<td>65</td>
</tr>
<tr>
<td>Dyck</td>
<td>Andrew</td>
<td>53</td>
</tr>
<tr>
<td>Färber</td>
<td>Leonie</td>
<td>76</td>
</tr>
<tr>
<td>Forrest</td>
<td>Robyn</td>
<td>88</td>
</tr>
<tr>
<td>Freire</td>
<td>Katia</td>
<td>22</td>
</tr>
<tr>
<td>Frias-Donaghey</td>
<td>María</td>
<td>72</td>
</tr>
<tr>
<td>Last Name</td>
<td>Name</td>
<td>Page</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------</td>
<td>------</td>
</tr>
<tr>
<td>Ganapathiraju</td>
<td>Pramod</td>
<td>90</td>
</tr>
<tr>
<td>Gelchu</td>
<td>Ahmed</td>
<td>85</td>
</tr>
<tr>
<td>Geselbracht</td>
<td>David</td>
<td>44</td>
</tr>
<tr>
<td>Gibilini</td>
<td>Nicole</td>
<td>44</td>
</tr>
<tr>
<td>Gleason</td>
<td>Jett</td>
<td>81</td>
</tr>
<tr>
<td>Govender</td>
<td>Rhona</td>
<td>54</td>
</tr>
<tr>
<td>Grangy</td>
<td>Lorine</td>
<td>80</td>
</tr>
<tr>
<td>Greer</td>
<td>Krista</td>
<td>59</td>
</tr>
<tr>
<td>Groß</td>
<td>Hans Christian</td>
<td>109</td>
</tr>
<tr>
<td>Guénette</td>
<td>Sylvie</td>
<td>16</td>
</tr>
<tr>
<td>Haggan</td>
<td>Nigel</td>
<td>36</td>
</tr>
<tr>
<td>Harper</td>
<td>Sarah</td>
<td>55</td>
</tr>
<tr>
<td>Hechler</td>
<td>Robert</td>
<td>80</td>
</tr>
<tr>
<td>Heidrich</td>
<td>Kristina</td>
<td>92</td>
</tr>
<tr>
<td>Hernandez</td>
<td>RC</td>
<td>76</td>
</tr>
<tr>
<td>Heymans</td>
<td>Sheila</td>
<td>16</td>
</tr>
<tr>
<td>Ho</td>
<td>Maria</td>
<td>41</td>
</tr>
<tr>
<td>Hood</td>
<td>Lincoln</td>
<td>69</td>
</tr>
<tr>
<td>Hornby</td>
<td>Claire</td>
<td>60</td>
</tr>
<tr>
<td>Hui</td>
<td>Joe</td>
<td>38</td>
</tr>
<tr>
<td>Hunter</td>
<td>Andrea</td>
<td>95</td>
</tr>
<tr>
<td>Jacquet</td>
<td>Jennifer</td>
<td>19</td>
</tr>
<tr>
<td>Jiang</td>
<td>Chengpu</td>
<td>108</td>
</tr>
<tr>
<td>Jovanovic</td>
<td>Boris</td>
<td>32</td>
</tr>
<tr>
<td>Karpouzi</td>
<td>Vasiliki</td>
<td>48</td>
</tr>
<tr>
<td>Kaschner</td>
<td>Kristin</td>
<td>84</td>
</tr>
<tr>
<td>Kay</td>
<td>Aran</td>
<td>96</td>
</tr>
<tr>
<td>Keawsang</td>
<td>Rangsiwut</td>
<td>93</td>
</tr>
<tr>
<td>Khalfallah</td>
<td>Myriam</td>
<td>33</td>
</tr>
</tbody>
</table>
# Alphabetical Index

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Khan</td>
<td>Ahmed</td>
<td>50</td>
</tr>
<tr>
<td>Kim</td>
<td>Daniella</td>
<td>82</td>
</tr>
<tr>
<td>Kitchingman</td>
<td>Adrian</td>
<td>48</td>
</tr>
<tr>
<td>Kleisner</td>
<td>Kristin</td>
<td>32</td>
</tr>
<tr>
<td>Knip</td>
<td>Danielle</td>
<td>32</td>
</tr>
<tr>
<td>Kothari</td>
<td>Aryan</td>
<td>104</td>
</tr>
<tr>
<td>Kuo</td>
<td>Daniel</td>
<td>58</td>
</tr>
<tr>
<td>La</td>
<td>Charlotte</td>
<td>81</td>
</tr>
<tr>
<td>Lai</td>
<td>Sherman</td>
<td>36</td>
</tr>
<tr>
<td>Lam</td>
<td>Vicky</td>
<td>30</td>
</tr>
<tr>
<td>Le Manach</td>
<td>Frédéric</td>
<td>91</td>
</tr>
<tr>
<td>Li</td>
<td>Zoe</td>
<td>76</td>
</tr>
<tr>
<td>Lee</td>
<td>Vicky</td>
<td>74</td>
</tr>
<tr>
<td>Liang</td>
<td>Cui ‘Elsa’</td>
<td>107</td>
</tr>
<tr>
<td>Lindop</td>
<td>Alasdair</td>
<td>63</td>
</tr>
<tr>
<td>Lingard</td>
<td>Stephanie</td>
<td>57</td>
</tr>
<tr>
<td>Magne</td>
<td>Julien</td>
<td>93</td>
</tr>
<tr>
<td>Mak</td>
<td>Tiffany</td>
<td>78</td>
</tr>
<tr>
<td>Marsden</td>
<td>Dale</td>
<td>89</td>
</tr>
<tr>
<td>Martinangeli</td>
<td>Lucas</td>
<td>108</td>
</tr>
<tr>
<td>McAlpine</td>
<td>Amy</td>
<td>102</td>
</tr>
<tr>
<td>McCrea-Strub</td>
<td>Ashley</td>
<td>31</td>
</tr>
<tr>
<td>McRae</td>
<td>Tess</td>
<td>78</td>
</tr>
<tr>
<td>Meeuwig</td>
<td>Jessica</td>
<td>23</td>
</tr>
<tr>
<td>Mohammed</td>
<td>Elizabeth</td>
<td>47</td>
</tr>
<tr>
<td>Mok</td>
<td>Carmen</td>
<td>61</td>
</tr>
<tr>
<td>Mondoux</td>
<td>Suzanne</td>
<td>51</td>
</tr>
<tr>
<td>Morato</td>
<td>Telmo</td>
<td>88</td>
</tr>
<tr>
<td>Morissette</td>
<td>Lyne</td>
<td>86</td>
</tr>
<tr>
<td>Mouillot</td>
<td>David</td>
<td>25</td>
</tr>
<tr>
<td>Muller</td>
<td>Aiden</td>
<td>82</td>
</tr>
</tbody>
</table>
# Alphabetical Index

<table>
<thead>
<tr>
<th>Last Name</th>
<th>Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nevada</td>
<td>Martin</td>
<td>39</td>
</tr>
<tr>
<td>Ng</td>
<td>Dillon</td>
<td>82</td>
</tr>
<tr>
<td>Noël</td>
<td>Simon-Luc</td>
<td>69</td>
</tr>
<tr>
<td>Nouvian</td>
<td>Claire</td>
<td>26</td>
</tr>
<tr>
<td>Nyingi-Moseti</td>
<td>Wanja</td>
<td>18</td>
</tr>
<tr>
<td>Okey</td>
<td>Thomas</td>
<td>86</td>
</tr>
<tr>
<td>O’Meara</td>
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# Alphabetical Index

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</table>
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