

Contributors

Mariana Martins de Andrade is an oceanographer with a master's degree in biological oceanography. She works with marine conservation, sustainability, and public policies, researching participatory processes and the science–management interface. Her work supports scientific communication initiatives and the implementation of the 2030 Agenda and the United Nations Decade of Ocean Science for Sustainable Development in Brazil.

Örjan Bodin is an associate professor at the Stockholm Resilience Centre at Stockholm University. He is studying different challenges and opportunities in managing natural resources, and much of his research bridges the natural and social sciences.

Antonio Bodini is an ecologist interested in the analysis of complex systems through network modeling. Using network analysis he has explored patterns of growth and development in natural and urban ecosystems to obtain insight about ecosystem response to stress and trajectories for the sustainability of human ecosystems. His current research is dealing with policy and management scenario analysis applied to ecological and socioecological systems.

Marina Ribeiro Corrêa is a biologist and master's candidate in environmental sciences, and in 2019–2020 was a visiting researcher at the Leibniz Centre for Tropical Marine Research (ZMT) in Bremen, Germany. Her research interests are in coastal management, sustainability, socioecological systems, and the science–management interface. Besides research, she works in projects focused on ocean sustainability, participatory processes, and scientific communication.

Louis Donelle is a PhD student and Vanier Scholar in the Department of Ecology and Evolutionary Biology at the University of Toronto.

María Mancilla García is a researcher at the Stockholm Resilience Centre in Sweden. She works on relational approaches to the study of social–ecological systems. Her work ranges from applying process-relational philosophy to the analysis of social–ecological systems as complex adaptive systems to conducting empirical studies on water governance and fisheries governance in Latin America and Africa.

Marion Glaser is a social scientist and human geographer. She teaches at the University of Bremen, and leads the Social–Ecological Systems Analysis working group at the Leibniz Centre for Tropical Marine Research (ZMT) in Bremen, Germany. Her research analyzes the integrated dynamics and governance of coastal and marine social–ecological systems, focusing on the potentials of network analysis,

transdisciplinary approaches, and on the theory and practice of contextualized, multisite, and cross-scale sustainability analysis. Her recent focus has been on conflict and equity in the marine and coastal realm.

Philipp Gorris is a social scientist at the Institute of Geography and the Institute of Environmental Systems Research (IUSF), Osnabrück University (UOS) in Germany. His work centers on natural resource governance, sustainability transformations, and resilient economies. He is particularly interested in how collaborative approaches to resolving natural resource problems can be designed to develop environmentally sustainable and socially just policies through inclusive governance. He has carried out research on this topic in various countries around the world.

Adam Douglas Henry is a distinguished scholar and professor of environmental politics at the University of Arizona. His interests occupy the intersection of public policy, sustainability science, and computational social science. Henry's work applies network analysis to the study of the policy process in domains such as energy policy, urban water management, and invasive species management, among others.

Eike Holzkämper is a PhD student in the field of human geography, with a focus on the analysis of social–ecological systems through the lens of social networks. Recognizing the growing importance of data science, she is constantly developing her knowledge in this field. Her research interests lie at the intersection of coastal–marine environmental governance and transformations towards sustainability. She has conducted and collaborated in several projects related to natural resource governance in the tropics.

Ben Nagel is a doctoral candidate in political science with Jacobs University and the Leibniz Centre for Tropical Marine Research (ZMT) in Bremen, Germany. His current research examines natural resource governance and sustainability challenges from an interdisciplinary social–ecological systems perspective. Ben previously completed his Master of Science degree with the International Studies in Aquatic Tropical Ecology (ISATEC) program at the University of Bremen.

Daniel Filipe da Silva Pereira is a recent doctoral graduate whose work revolved around the development and application in silica of the loop analysis algorithm. In his doctoral degree he developed an R package for loop analysis, with an emphasis on the importance of the strength of interactions and pathways connecting variables. He also worked in applying these new methodologies to the study of a multi-stressor system, the Caspian Sea, in order to unveil the mechanisms behind its evolution.

Barbara Schröter is a political scientist and researcher in the Governance of Ecosystem Services working group at the Leibniz Centre for Agricultural Landscape Research (ZALF) in Müncheberg, Germany; and at Lund University, Centre for Sustainability Studies (LUCSUS), Lund, Sweden. Her research focus is on

governance structures, actors, and institutions in social–ecological systems. She is particularly interested in social networks, nature-based solutions, civil society engagement, and environmental justice.

Theresa Schwenke is a doctoral student in the Social–Ecological Systems Analysis working group at the Leibniz Centre for Tropical Marine Research (ZMT) in Bremen, Germany. Her background is in marine biology, focusing on the chemical defense of macroalgae and the bioacoustics of Antarctic pinnipeds. For her PhD, she specializes in the structure and dynamics of social–ecological networks and their connection to environmental governance.

Marco Scotti is a community ecologist interested in the development and application of new tools for modeling interactions between humans and nature. During his career, he has collaborated with social and political scientists by performing interdisciplinary studies based on network analysis. His current research focuses on the impacts that climate change and the overexploitation of resources have on the structure and functioning of socioecological systems.

Alexander Turra is a biologist with a master's and PhD degree in ecology from Campinas State University, Brazil. He is a professor of coastal management at the Oceanographic Institute at the University of São Paulo, Brazil, and the UNESCO Chair on Ocean Sustainability.

Luciana Yokoyama Xavier is an oceanographer, with a master's and PhD degree in oceanography from the University of São Paulo (USP), Brazil. She is a postdoctoral researcher at the Oceanographic Institute at USP (2018–present), and has been a visiting researcher at the Leibniz Centre for Tropical Marine Research (ZMT) in Bremen, Germany (2019–2020), supported by the São Paulo Researcher Foundation (FAPESP). Her research interests are in coastal management, participatory management, marine protected areas, social learning, and transdisciplinarity. She is a member of the Brazilian League of Women for the Ocean.

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