

# AUTHORS

The following scientists contributed to the document and reached consensus on the guidelines as a whole:

## Dr. Kai Chan

Kai Chan is an associate professor and Canada Research Chair (tier 2) at the Institute for Resources, Environment and Sustainability at the University of British Columbia. His training spans conservation biology, ecology, evolutionary biology, policy, and ethics. Kai combines these perspectives in a research program on social-ecological interactions (including human impacts on ecosystem components and processes, and ecosystem services to benefit people) to inform applied environmental ethics and ecosystem-based management. Kai leads the Conservation Collaboration in Interdisciplinary Study of Ecosystems ([www.conciseresearch.net](http://www.conciseresearch.net)); he is a director on the board of the Canadian Parks and Wilderness Society's British Columbia chapter (CPAWS-BC) and a senior fellow of the Environmental Leadership Program.



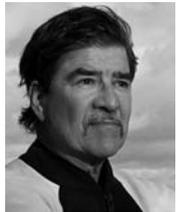
## Dr. Isabelle Côté

Isabelle Côté is a professor in the Biology Department at Simon Fraser University and leads the Tropical Marine Ecology Research Group. Her applied marine ecology and conservation research comprises three focal areas: marine protected areas, reconstructing patterns of ecological change on coral reefs and the invasion of Caribbean reefs by Indo-Pacific lionfish. Isabelle is currently part of a Royal Society of Canada expert panel focused on issues related to climate change, overfishing and marine biodiversity.



## Dr. Philip Dearden

Philip Dearden is leader of the MPA Research Group within the Geography Department at the University of Victoria. His research focuses on the establishment and management of protected areas with topics ranging from natural science (ex. seagrass ecology, whale shark monitoring, coral reef assessments) to social science (ex. economic impacts of diving, MPA governance, Indigenous perspectives) and the relationship between them. He is Chair of the Marine Protected Area Working Group of the Ocean Management Research Network and also served as the Co-Chair of Parks Canada's NMCA Science Advisory Network.



## Dr. Elizabeth De Santo

Elizabeth De Santo is an Assistant Professor in the Marine Affairs Program at Dalhousie University. Her research interests encompass environmental politics, marine conservation and governance, environmental law, and improving the science/policy interface in environmental decision-making. She is particularly interested in spatial approaches to management, including MPAs and marine spatial planning. She is a co-author of the recently released UNEP-funded project on MPA Governance that examined case studies from over 20 countries.



## Dr. Marie-Josée Fortin

Marie-Josée Fortin is a Professor of Ecology and Evolutionary Biology at the University of Toronto. She is an ecologist by training with four main research areas: spatial ecology, forest ecology, landscape ecology and spatial statistics. Her research program studies the effects of global changes (land use and climate) on species spatial dynamics at the landscape and the geographical range levels both in multiuse forested ecosystems and aquatic networks to maintain biodiversity and species conservation.





### **Dr. Frédéric Guichard**

Frédéric Guichard is an Associate Professor in the Biology Department at McGill University. He is interested in studying how large scale patterns of biological diversity develop and are maintained from local interactions among individuals; how biological diversity is influenced by global changes; the role of biological diversity for community structure and dynamics; and how environmental complexity interact with biotic processes to maintain variability and diversity in communities. Much of his research is focused on understanding how diversity and other properties of marine communities emerge from local interactions among individuals.



### **Dr. Wolfgang Haider**

Wolfgang Haider is a Professor in the School for Resource and Environmental Management at Simon Fraser University. He is interested in social science survey methods, quantitative analysis, and trade-off modelling, as they relate to decision making in resource management. Most of his work focuses on protected areas management, outdoor recreation and recreational fishing, resource-based tourism, land use planning, and landscape perception. Many of his research applications include discrete choice experiments, which permit the explicit modelling of trade-offs for a large number of land use or recreation alternatives, including currently non-existing options.



### **Dr. Glen Jamieson**

Glen Jamieson is a retired research scientist from Fisheries and Oceans Canada, Pacific Biological Station. He is interested in conservation biology issues, specifically marine protected areas, research in support of ecosystem-based management, invasive species and critical habitat definition for Species at Risk. He was involved in identifying ecologically and biologically significant areas (EBSAs) in Pacific Canada, and expects that many of these may ultimately become regional MPAs. Other work has focused on marine biogeoclimatic zone classification and locating high-density coral and hexactinellid sponge locations. Glen is currently an affiliate faculty member in both the Department of Geography, University of Victoria, and the Fisheries Centre at the University of BC.



### **Dr. Donald Kramer**

Don Kramer is a Professor Emeritus and former Chair of Biology at McGill University. His research focuses on the behavioural ecology of space use and movement, including habitat selection, frequency- and density-dependent distributions, predation risk and predator avoidance, and resource defense. Among other topics, he and his students have studied the behaviour and ecology of marine fishes in the Caribbean and Atlantic, including factors influencing emigration from reserves into harvested areas.



### **Dr. Ashley McCrea-Strub**

Ashley McCrea-Strub is a postdoctoral-fellow with the Sea Around Us Project at the University of British Columbia, and is working with Dr. Daniel Pauly and other project members. She earned her PhD in Marine Biology and Fisheries from the Rosenstiel School of Marine and Atmospheric Science at the University of Miami in Florida. Her dissertation research focused on the use of multispecies modeling frameworks to evaluate dynamic interactions between predator and prey populations, and to understand the influence of fisheries and environmental temperature change on predator-prey and food chain communities. Currently, her research focuses on quantification of the global financial cost of marine protected areas and evaluation of changes in mean trophic level following the establishment of no-take marine reserves.

### **Dr. William Montevecchi**

Bill Montevecchi is a Professor of Biological and Ocean Sciences at Memorial University. He is engaged in a long-term interdisciplinary ecosystem research program focused on the behavioural ecology of marine and terrestrial birds. With a conservation focus, his research explores multi-species interactions in dynamic Low Arctic and Boreal ecosystems and assesses the use of animal responses as indicators of prey and ecosystem conditions. He collaborates with oceanographers, fisheries research scientists and seabird biologists from across Canada, the USA, Europe, Australia and Africa.



### **Dr. Monica Mulrennan**

Monica Mulrennan is an Associate Professor in Geography at Concordia University. Her research interests focus on indigenous peoples and their use and management of coastal and marine environments. More specifically, she is interested in local ecological knowledge, community-based management, protected area development, human adaptations to environmental change, and small boat fisheries development. Monica is current Chair of the Indigenous Peoples Working Group (IPWG), a specialty group of the Canadian Association of Geographers.



### **Dr. John Roff**

John Roff is the Canada Research Chair in Conservation and Environment and was a Professor of Environmental Science and Coastal Oceanography at Acadia University. He has had extensive research experience in aquatic environments, from the tropics to the Canadian Arctic and is an internationally recognized authority on marine conservation planning. John was also the past Editor of the Canadian Journal of Fisheries and Aquatic Sciences. His present research is primarily focused on developing practical frameworks for marine conservation based on ecological principles, and analyses of geophysical parameters, biological community structure, and habitat and ecosystem level processes.



### **Dr. Anne Salomon**

Anne Salomon is an Assistant Professor in the School of Resource and Environmental Management at Simon Fraser University. Broadly, Anne is interested in the cascading effects of predator depletion on marine food webs, marine reserve design and evaluation, climate change impacts on coastal ocean ecosystems, alternative state dynamics, and the resilience of social-ecological systems. Ultimately, Anne strives to engage coastal communities and government agencies in collaborative research and encourage constructive dialogue among stakeholders to navigate the tradeoffs between coastal conservation and resource use.

