

## About the Speakers

### 1. Dr. Daniel Pauly (Professor at the University of British Columbia (UBC))



Dr. Pauly's areas of expertise include fisheries management and ecosystem models. In order to learn the true scope of the threat to fishery stocks his early research led him to surveying fish populations in Africa and Indonesia. From 1979, Dr. Pauly worked for 15 years at the International Center of Living and Aquatic Resources Management in the Philippines. He later significantly contributed to the development and growth of FishBase, the world's largest database of fish species. In addition, he has advanced research on fishery policy which considers the sustainable development of fishery stocks and has authored over 500 articles and reports. He has received numerous awards recognizing his leading contributions to fisheries biology and environmental protection, including a place in the "Scientific American 50" in 2003. Dr. Pauly is also seeing importance in communicating with the public and his talks can be seen on TED and other sources.

### 2. Dr. Jorge Sarmiento (Professor at Princeton University)



Dr. Sarmiento is a specialist on climate change. After obtaining his PhD at Columbia University in 1978, he continued working on climate change with NOAA and Princeton University. He has published widely on many renowned journals including *Nature* and *Science* on the oceanic cycles of CO<sub>2</sub> and other climatically important chemicals, use of chemical tracers to study ocean circulation, and the impact of climate change on ocean biogeochemistry. Over the past two decades, he has participated in many large-scale multi-institutional and international programs monitoring CO<sub>2</sub> levels and predicting climate change. Dr. Sarmiento has received numerous awards and is a Fellow of the American Geophysical Union and the American Association for the Advancement of Science (AAAS) from 2004.

3. **Dr. William Cheung (Associate Professor at UBC; Nereus Program Co-director)**



Dr. Cheung specializes in how climate change affects marine ecosystems and fisheries industries. Though a young researcher receiving his PhD in 2007, he has already made over 100 publications, including those on *Nature* and *Science*. His paper published in 2013 on *Nature*, which was on the effects of climate change on marine resources became much-discussed even outside scientific communities. Dr. Cheung is appointed as a lead author in the Intergovernmental Panel on Climate Change (IPCC) 5th Assessment Report. He co-directs Nereus with Dr. Yoshitaka Ota.

4. **Dr. Yoshitaka Ota (Nereus Program Co-director)**



Dr. Ota is a Senior Researcher at UBC whose areas of expertise include Marine anthropology and marine policy. After obtaining his PhD at University College London, he has been participating in interdisciplinary studies on fisheries resource management and cultures around local fisheries in Australia, Indonesia, France , Peru (in the Amazons) and UK. He co-directs Nereus and lives in Canada since 2011.