

## Ocean Frontier Institute (OFI): Excellence, Impact and Engagement Committee

As of May 2019

The Excellence, Impact and Engagement Committee (EIEC) provides guidance on OFI's research focus, reviews annual progress reports and funding allocation, project development and strategic direction. The EIEC also ensures mechanisms are in place to exceed expectations for mid-term funding renewal.

Members are:

- **Geoff Munro (EIEC chair), Owner, Trestle Networks Inc.**



Before retiring from the Federal Government in 2013, Geoff Munro was the chief scientist of Natural Resources Canada (NRCan). During this time, Mr. Munro also held the positions of assistant deputy minister of Innovation and Energy Technology Sector (2009-2013) and associate deputy minister of Science and Policy Integration (2007-2009). He was responsible for positioning NRCan's science and technology within the Canadian innovation system and in broader international arenas. He led the development and implementation of the department's science and technology strategy, and worked with the departmental Science and Technology Board to keep it current. Mr. Munro held many senior positions, including: director general of Science and Programs for NRCan's Canadian Forest Service (CFS); director general of the CFS at the Great Lakes Forestry Centre in Sault Ste. Marie; and director, Research and Development for the fish, forestry and wildlife programs at the Ontario Ministry of Natural Resources. After graduating in 1974 with a B.Sc. in biology from Carleton University, Mr. Munro conducted Dutch elm disease research and went on to the private sector to work on the operational use of research and development products and services. He also spent several years with the Forestry Branch of the Manitoba Department of Natural Resources.

- **Heide Hackmann, Executive Director, the International Council for Science (ICSU)**



Ms Hackmann joined ICSU as Executive Director in March 2015, following eight years as Executive Director of the International Social Science Council. She read for a M.Phil in contemporary social theory at the University of Cambridge, United Kingdom, and holds a PhD in science and technology studies from the University of Twente in the Netherlands. She has worked as a science policy maker, researcher and consultant in the Netherlands, Germany, the United Kingdom and South Africa. Before moving into the world of the international councils, Ms Hackmann worked as Head of the Department of International Relations and Quality Assessment of the Royal Netherlands Academy of Arts and Sciences. Her career in science policy dates back to the early 1990s when she worked at the Human Sciences Research Council in South Africa. Ms Hackmann holds membership of several international advisory committees, including the Scientific Advisory Board of the Potsdam Institute for Climate Impact Research in Germany and the Board of the Stockholm Resilience Centre in Sweden. She currently co-chairs the 10-Member Group of the United Nations Technology Facilitation Mechanism.

- **Nancy Hamzawi, Assistant Deputy Minister, Science and Technology Branch, Environment and Climate Change Canada**



A chemical engineer by training, Ms Hamzawi has over 20 years of experience as a public servant in the federal public service. She has held various positions in a number of departments including the National Research Council of Canada, Agriculture and Agri-Food Canada, and the former Industry Canada. Nancy's positions have varied and included policy development, industry development, audit, evaluation and corporate affairs. Nancy holds a Masters and Bachelors degrees in Chemical Engineering, as well as a Bachelor's degree in Biochemistry, all from the University of Ottawa.

- **Jim Hanlon, CEO of the Institute for Ocean Research Enterprise (IORE)**



Jim is a 30-year veteran of the Canadian tech industry, having worked in design, marketing and management for companies in Atlantic Canada, Ontario and New England. His career has spanned aerospace, defence and environmental monitoring. Mr. Hanlon has worked in senior management positions with several large publicly-traded multinationals. He was an owner in two separate high-tech companies which were eventually acquired by international firms. Mr. Hanlon is a graduate of Nova Scotia Technical College (now Dalhousie University Faculty of Engineering) with a degree in electrical engineering. He holds MBA in marketing from Saint Mary's University in Halifax.

**Max Liboiron, Associate Vice-President (Indigenous Research), *Pro Tempore* at Memorial University**



Prior to her appointment as Associate Vice-President (Indigenous Research) Pro Tempore, Dr. Liboiron was Chair of Teaching and Learning for the Faculty of Humanities and Social Sciences at Memorial University. Dr. Liboiron's interdisciplinary training began during her undergraduate degree in Fine Arts at Mount Allison University, extending through a master's degree in Fine Arts and Cultural Studies at State University of New York at Stony Brook and a PhD in Media, Culture, and Communication at New York University, where she specialized in science and technology studies (STS).

- **Karin Lochte, Director, Alfred Wegener Institute, Helmholtz Centre**



Dr. Lochte was with the Polar and Marine Research in Bremerhaven, Germany, from November 2007 to November 2017. She was the German delegate of the "Scientific Committee on Antarctic Research" since 2008 and its vice-president since 2012. She has chaired diverse national and international committees, including the Scientific Commission of the German Wissenschaftsrat, the "Senatskommission für Ozeanographie", the Konsortium Deutsche Meeresforschung and the Wissenschaftliche Kommission Niedersachsen. Prior to her directorship at the Alfred Wegener Institute, Dr. Lochte was involved in scientific research on bacteria in sea ice and bacterial role in carbon and nitrogen cycling. She also lectured on Biological Oceanography at the universities of Rostock and Kiel. She was head of the research unit Biological Oceanography at the GEOMAR in Kiel, and of a similar research unit at the Leibniz-Institut für Ostseeforschung in Warnemünde. In 1994, Dr. Lochte received her Venia Legendi at the University of Bremen. Prior to her professorship, she worked on the topic "Deep Sea Microbiology" at the Institut für Meereskunde, University of Kiel. She received her PhD in Marine Biology at the University College of North Wales, UK in 1984.

- **Arran McPherson is the Assistant Deputy Minister, Ecosystems and Oceans Science, Fisheries and Oceans Canada**



Ms McPherson has responsibility for science programs to support regulatory decision making and policy development in Canada's oceans and freshwater as well as the Canadian Hydrographic Service. She is the co-chair of the Ocean Research in Canada Alliance and represents Canada in a number of international fora. She holds a BScH in Environmental Science from Queen's University and a PhD in Oceanography from Dalhousie University.

- **Kathy Sullivan, Senior Fellow, Potomac Institute and Ambassador at Large, Smithsonian National Air & Space Museum**



Dr. Sullivan was the 2017 Charles A. Lindbergh Chair of Aerospace History at the Smithsonian Institution's National Air and Space Museum (NASM). She served as Under Secretary of Commerce for Oceans and Atmosphere and Administrator of the National Oceanic and Atmospheric Administration (NOAA) from 2011 to 2017. She was the inaugural director of the Battelle Center for Mathematics and Science Education Policy in the John Glenn School of Public Affairs at Ohio State University. Dr. Sullivan was one of the first six women selected to join the NASA astronaut corps in 1978 and holds the distinction of being the first American woman to walk in space. She flew on three shuttle missions during her 15-year tenure, including the mission that deployed the Hubble Space Telescope. She holds a Bachelor's degree in Earth Sciences from the University of California at Santa Cruz and a Doctorate in Geology from Dalhousie University in Halifax, Nova Scotia. She is a member of the American Academy of Arts and Sciences and the U.S. National Academy of Engineering.