

BioSketch of Dr. Robert W. Corell

Winter 2021

Dr. Robert W. Corell is a Principal and Director of the Global Environment Technology Foundation and the Lead at its Center for Energy and Climate Solutions (US), Director and Co-Founder, The Rising Seas Institute (US) and Board of Trustees Member, Bermuda Institute of Ocean Sciences (Bermuda). He has several academic appointments, including an Adjunct Professorship at the University of Miami's Department of Ocean Sciences and Professorship at the University of the Arctic and its Institute of Circumpolar Reindeer Husbandry (Norway). He recently held the Arctic Chair at the University of Tromsø, Norway. He was a Council Member of the Global Energy Assessment (GEA) and Lead Author of GEA's Chapter 3 on Environment and Energy. He led the Arctic Climate Impact Assessment (2005) and a comprehensive study of governance issues in the circumpolar Arctic.



In 2019, he received the *High North Hero Award* by the High North Center for Business and Governance, Nord University (Norway). In 2013, chaired and was the lead author of the 2013 UNEP Year Book on “*The View from the Top Searching for Responses to a Rapidly Changing Arctic*” and more recently, the Co-Chair of the 2016 UNEP's *GEO-6 North American Regional Assessment*. He was recognized with the other scientists for the 2007 Nobel Peace Prize for his work with the International Panel on Climate Change (IPCC) assessments. In 2010, Dr. Corell was awarded an *Honorary Doctor of Veterinarian Medicine* by the Norges Veterinærhøgskole (Norwegian School of Veterinarian Science) and a 2008 *Honorary Doctor of Science*, University of Alaska, Anchorage. In 2017, Case Western Reserve University Case Alumni Association awarded him the *Gold Medal Award* for lifetime achievements. A circular mountain region forming the head of a glacier in Antarctica was named the “*Corell Cirque*” by the Board on Geographical Names (79°54'00”S, 155°57'00”E).

Dr. Corell is actively engaged in research concerned with the sciences of global change and the interface between science and public policy, particularly research activities that are focused on the science of global and regional climate change. These efforts are designed to facilitate understanding of vulnerability and sustainable development in an environmentally changing world. For example, he is a lead author in the 2011, 2016, 2017, 2018, 2019 and 2020 in the North Pacific Arctic Conference's Annual book. He has published dozens peer-reviewed articles and book chapters during the past decade, a recent example is 2016 GEO-6 Global Environment Outlook: Regional Assessment for North America, UN Environment Programme and an article in *Polar Science: The urgency of Arctic change*, J. Overland, R. Corell, et al. He is a Section author of the book, “*2052 - A Global Forecast for the Next Forty Years*” edited by Jorgen Randers, that provides mid-century global climate projections as a follow up to the 1972 Club of Rome “*The Limits to Growth*” book. Most recently, Oxford Press published an article on *Monitoring and Assessing Arctic Climate Change* by Reiersen and Corell (2020), *Twenty-first century sea-level rise could exceed IPCC projections for strong-warming futures* by Siegert, Corell, et al published in *One Earth: Cell Press*, (2021) and several recent book chapters including: *The Arctic in the Earth's Climate System*, Corell in *Global Asia*, the Journal of the East Asia Foundation (2021), and *The Arctic: Tomorrow's Changes...Today! The Centrality of the Arctic and Northern Ocean in the Control of Arctic Climate and Global Scale Changes*, Chapter 1 in *Whither the Arctic Ocean*, Ed by Paul Wassmann and published by Fundación BBVA (2021)

Dr. Corell was Assistant Director of the National Science Foundation for Geosciences (1987-2000) where he had direct responsibility for the NSF's Atmospheric, Earth, Ocean Sciences, Polar Programs and was Chair of the United States Global Change Research Program (1987-2000) reporting to the White House's Office of Science and Technology Policy. He was also a professor and academic administrator at the University of New Hampshire (1964 – 1986). Dr. Corell is an oceanographer and engineer by background and training, having received Ph.D., M.S., and B.S. degrees at Case Western Reserve University and MIT. He has also held visiting scientist appointments at the Woods Hole Institution of Oceanography, the Scripps Institution of Oceanography and the University of Washington.