

Scott Doney, Professor, University of Virginia

Prof. Scott Doney's expertise spans oceanography, climate and biogeochemistry, with particular emphasis on the application of numerical models and data analysis methods to regional and global-scale questions. Much of his research focuses on how the global carbon cycle and ocean ecosystems respond to natural and human-driven climate change. Current areas of study include ocean acidification and carbon dioxide removal. He is the author of over 380 peer-reviewed research publications and co-author of a well-regarded graduate-level textbook on data analysis and modeling methods for the marine sciences. He is regularly called on as a source for stories on climate change and ocean acidification by mainstream media outlets, and he has testified before the U.S. Congress on the issue.

Prof. Doney was the inaugural chair of the U.S. Ocean Carbon and Biogeochemistry (OCB) Program, a convening lead author for the Oceans and Marine Resources chapter of the 2014 U.S. National Climate Assessment, member of a number of National Academy of Sciences reports, and served on both the NSF Geosciences and NSF Environmental Research and Education Advisory Committees. He is a past Director of the Ocean and Climate Change Institute and Chair of Marine Chemistry and Geochemistry Department at the Woods Hole Oceanographic Institution (WHOI).

Prof. Doney was awarded the James B. Macelwane Medal from the American Geophysical Union (AGU) in 2000 and the Huntsman Award for Excellence in Marine Science from the Royal Society of Canada in 2013. He is a fellow of the American Geophysical Union (2000), Aldo Leopold Leadership program (2004), American Association for the Advancement of Science (AAAS) (2010), and the Association for the Sciences of Limnology and Oceanography (ASLO) (2021).

Prof. Doney graduated with a BA in chemistry from the University of California, San Diego in 1986 and went on his first oceanographic expedition in 1984 with Sea Education Association. He completed his PhD in chemical oceanography from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program in Oceanography in 1991. He was a postdoctoral fellow and later a scientist at the National Center for Atmospheric Research, before returning to the Woods Hole Oceanographic Institution as a scientist in 2002. In August 2017, he joined the University of Virginia as the first Joe D. and Helen J. Kington Professor in Environmental Change. He served as the Assistant Director for Ocean Climate Science and Policy (mid-2022 to early-2024) in the White House Office of Science and Technology Policy (OSTP).