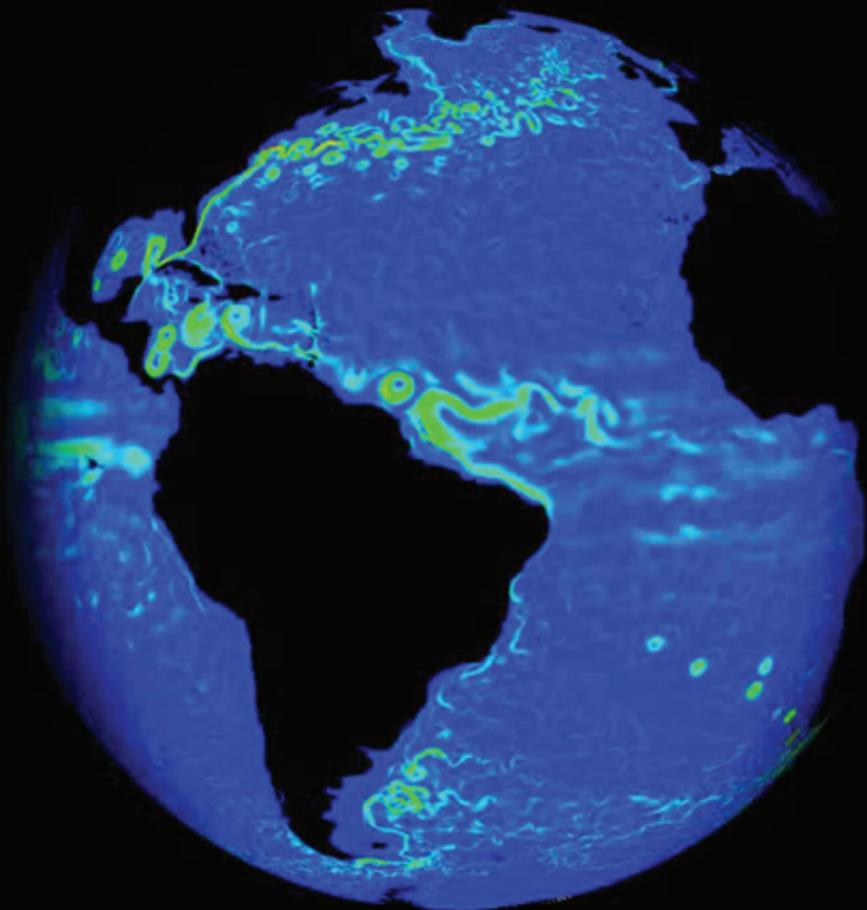


Susan Avery

The Dance of the Blue Planet



Our planet is like a “dance” between two fluid systems — the ocean and the atmosphere. These dance partners are in constant movement, ever changing in ways that we are only beginning to comprehend. The implications for our planet and society are immense, full of challenge and potential benefit. Deciphering the intricate choreography of the dance requires new transformative technologies, technologies that are ready to deploy today. This talk will outline the dance in its complexity, discuss how humans are impacting the partners, and showcase the new observing eyes that are revealing as much about the ocean as we already know about the atmosphere.

Susan Avery, a graduate of the University of Illinois, is President and Director of the Woods Hole Oceanographic Institution and past director of the Cooperative Institute for Research in Environmental Sciences at the University of Colorado, Boulder. Her research activities include atmosphere dynamics, precipitation, and radar observing systems. As an atmospheric scientist, she has addressed a multitude of national and international forums, including TEDx Boston and several Congressional committees, to convey the importance of understanding the Earth as a system connected by ocean, atmosphere, terrestrial, and human interactions. She has served on numerous scientific boards, committees, and commissions at the highest levels, and was most recently one of two U.S. representatives named to a United Nations Scientific Advisory Board to provide guidance about science, technology, and innovation for sustainable development. She works tirelessly to promote interdisciplinary discovery research, problem-oriented research with particular application to societal needs, and the synergistic development of ocean technologies.

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