

Peter Schlosser

GF22 co-chair; vice president and vice provost,
Julie Ann Wrigley Global Futures Laboratory

Peter Schlosser is a leading earth scientist, with expertise in the Earth's hydrosphere and how humans affect the planet's natural state. He is the vice president and vice provost of the Julie Ann Wrigley Global Futures Laboratory at Arizona State University. He holds joint appointments in the School of Sustainability, the School of Earth and Space Exploration in the College of Liberal Arts and Sciences, and the School of Sustainable Engineering and the Built Environment in the Ira A. Fulton Schools of Engineering. Prior to joining ASU, Schlosser was the Maurice Ewing and J. Lamar Worzel Professor of Geophysics and Chair of the Department of Earth and Environmental Engineering, and the deputy director and director of research at the Earth Institute at Columbia University.

Schlosser's research includes water movement and its variability in natural systems using natural and anthropogenic trace substances and isotopes. His research adds to the understanding of ocean circulation and the ocean's role in climate. He also studies reconstruction of continental paleotemperature records using groundwater as archive; anthropogenic impact on natural systems; and sustainable development. He has published more than 180 articles in leading journals.

He is a member of the German National Academy of Sciences, an elected fellow of the American Association for the Advancement of Sciences, and the American Geophysical Union. He completed his PhD in Physics at the University of Heidelberg.



Rachel Petero (nee Taka)

Indigenous entrepreneur,
governor and author

Ka pū te ruha, Ka hao te rangatahi (As the old net withers, another one is made)

With strong Māori genealogy to her tribal lands and people of Waikato- Tainui, Rachel advocates and drives gender equity, diversity and inclusivity through her leadership roles in governance, business and community development.

Rachel is the founder of Rise2025 Global and currently holds six governance roles. Her international board roles include vice chair of UNICEF Aotearoa NZ and international director of IP and CFT Los Lagos in Chile. She brings a truly global focus with a unique Indigenous lens and always remains grounded in her cultural identity.

Against COVID odds, in May 2020, Rachel secured a new global partnership with Shopify Canada to launch HIWA, an e-coaching, e-commerce program for Indigenous women. In October 2020, she released her first co-authored published book titled "Take Your Space," which shares the secrets of 14 successful and diverse women. Rachel is internationally trained in human resources, CEO executive and business coaching with a for-purpose vision for her business Rise2025 Global to transform the lives of 100,000 Indigenous women and their families by 2025—one coaching conversation at a time.



Dr. Sylvia Earle

Oceanographer, founder of Mission Blue

Sylvia Earle is president and chairman of Mission Blue / The Sylvia Earle Alliance. She is a National Geographic Society Explorer-in-Residence, and is called "Her Deepness" by the New Yorker and the New York Times, "Living Legend" by the Library of Congress, and the first "Hero for the Planet" by TIME Magazine. She is an oceanographer, explorer, author and lecturer with experience as a field research scientist, government official, and director for several corporate and non-profit organizations. She is a pioneer in marine ecosystem research, as well as modern self-contained underwater breathing apparatus (SCUBA) gear and deep-sea submersibles. In 1979, Earle made history off the coast of Oahu, Hawai'i, where she set the record for deepest untethered sea walk at the depth of 381 m (1,250 ft). From 1990-1992, she was chief scientist for the National Oceanic and Atmospheric Administration—the first woman to serve in that position. Earle served on the National Advisory Committee on Oceans and Atmosphere between 1980-1984.

In her career, Earle has logged more than 7,000 hours underwater. She holds a PhD in Phycology (the study of algae) from Duke University.



Xiye Bastida Founder, Re-Earth Initiative

Xiye Bastida is a 20 year-old climate justice activist from Mexico, where she forms part of the Otomi-Toltec Indigenous community. She is the co-founder of Re-Earth Initiative, an international youth-led organization that focuses on highlighting the intersectionality of the climate crisis, as well as an organizer for Fridays for Future. For the first climate strike in March 2019, she mobilized 600 students from her school and has taken a citywide leadership role in organizing climate strikes. Bastida was the recipient of the 2018 Spirit of the United Nations Award. She currently studies at University of Pennsylvania, where she is pursuing a BA in Environmental Studies with a concentration in Policy.



Natalia da Silveira Arruda YouthMappers

Natalia da Silveira Arruda is a PhD student in Urban Planning at the School of Geographical Sciences and Urban Planning at Arizona State University. Natalia has a bachelor's degree in Architecture and Urbanism from the Federal University of Rio Grande do Sul, Porto Alegre/Brazil, a one-year exchange at the École Nationale Supérieure d'Architecture Paris La Villette, Paris/France, and a master's degree in Territorial, Urban, Environmental, and Landscape Planning at Polytechnic of Turin, Italy. After finishing her master's degree, Natalia moved to Cartagena de Indias, in Colombia, where she started volunteering with the NGO TECHO to visit and build emergency houses in informal settlements. There, she coordinated the MAP Cartagena, a collaborative mapping project to create the community cadaster of Isla de León. The cartography was used for the development of the social community survey in a georeferenced way, with socio-spatial analysis, and allowed the community to start a process of settlement legalization. In 2016, Natalia started to work as Adjunct Professor at the University of Antioquia, in Medellín, Colombia. She co-founded and directed the GeoLab research lab and its YouthMappers chapter. She was regional ambassador for Colombia and Brazil for the cohorts 2019-2020 and 2020-2021, supporting the Everywhere She Maps program. Her research interests are focused on the intersection of transit-oriented planning, public participatory design, and climate action.



Ghislain Irakoze Founder and CEO, Wastezon

Ghislain Irakoze is a sustainability entrepreneur and researcher. He founded Wastezon, a clean-tech company that provides machine learning-powered materials traceability services with an aim of innovating for materials circularity. As a research fellow at Sustainable Partners Inc., Ghislain has co-developed a computational model that visualizes climate justice from a waste management perspective.



Justin Worland [moderator] Senior correspondent, TIME

Justin Worland is a Washington D.C.-based senior correspondent for TIME covering climate change and the intersection of policy, politics and society. He has covered the topic since 2015. Previously, he covered health and breaking news for the magazine. In 2022, Worland was named the inaugural Climate Journalist of the Year by Covering Climate Now, a non-profit dedicated to improving climate journalism. He is a founding steering committee member at the Uproot Project, a non-profit organization that works to diversify environmental journalism. He is a graduate of Harvard College, where he studied history, and a term member of the Council on Foreign Relations.



Rt. Hon. Helen Clark Former prime minister of New Zealand

Helen Clark is a respected global leader in sustainable development, gender equality and international cooperation. She served three successive terms as Prime Minister of New Zealand between 1999 and 2008. While in government, she led policy debates on a wide range of economic, social, environmental and cultural issues, including sustainability and climate change.

After serving as prime minister, Clark became the United Nations Development Programme administrator for two terms from 2009 to 2017, the first woman to lead the organization. She was also the chair of the United Nations Development Group, a committee consisting of the heads of all U.N. funds, programs and departments working on development issues. In 2019 Helen Clark became patron of The Helen Clark Foundation. The organization's core values are inclusion, fairness, and sustainability, and the areas of research have included productivity, perinatal and maternal mental health, sustainable cities and health equity. Clark is an active member of various international organizations; she chairs the Extractive Industries Transparency Initiative, the Partnership for Maternal, Newborn, and Child Health, The Global Leadership Foundation, and The Global Commission on Drug Policy, and other advisory boards and commissions. In July 2020, Helen Clark was appointed by the Director-General of the World Health Organization to co-chair the Independent Panel for Pandemic Preparedness and Response.



Gillian Caldwell Chief climate officer, USAID

Gillian serves as the USAID chief climate officer and is responsible for directing and overseeing all climate and environment work across the agency. She also serves as deputy assistant administrator, overseeing DDI's Center for Environment, Energy, and Infrastructure and the Office of Environmental and Social Risk Management.

Ms. Caldwell has worked to protect human rights and the environment throughout her career. Prior to joining USAID, she served as the CEO of Global Witness, which has a focus on tackling climate change and deploys investigations into corruption and natural resource extraction to drive systems change worldwide.

Ms. Caldwell has a BA from Harvard University and a JD from Georgetown University, where she was recognized as a Public Interest Law Scholar. She has received a series of awards recognizing her work as a leading global social entrepreneur.



Johan Rockström GF22 co-chair; director, Potsdam Institute for Climate Impact Research

Johan Rockström is a professor in environmental science with emphasis on water resources and global sustainability. Rockström is an internationally recognized scientist for his work on global sustainability issues. He helped lead the team of scientists that presented the planetary boundaries framework, first published in 2009, with an update in 2015. The nine planetary boundaries presented in the framework are argued to be fundamental in maintaining a "safe operating space for humanity."

Before focusing on the planetary scale, Rockström's research aimed to address building resilience in water scarce regions, and he is an expert on water resources. After completing a PhD at Stockholm University's Systems Ecology Department in 1997, he spent nearly two decades working on applied water research in tropical regions. He has also published research on agriculture systems, land use and ecosystem services.

Aside from his research helping to guide policy, Rockström acts as an advisor to several governments, business networks, and multilateral institutions. He is chair of the steering committee for CGIAR's Research Program on Water, Land, and Ecosystems; a member of the U.N. Sustainable Development Solutions Network (SDSN); and acts as chair of the advisory board for the EAT Foundation, among others. Rockström has published over 100 research articles, including articles in Science and Nature, as well as 20 book chapters. He has also published four books.

