

**Mathieu Boudreault** is Professor of Actuarial Science at the University of Québec in Montreal, and Fellow of the Canadian Institute of Actuaries. His research interests include modelling the financial impacts of climate change for (re)insurers and pension plans, working in close collaboration with climate scientists and engineers. He has published in both actuarial and climate science journals and currently has research partnerships with the public and private sectors on these topics.

**Susanne Ditlevsen** is a full professor of statistics and stochastic models in biology at the Department of Mathematical Sciences at the University of Copenhagen, Denmark. Her research interests center around statistics for stochastic processes, biostatistics, mathematical modeling, nonlinear dynamics, climate changes, particularly tipping points, ecology in the Arctic, and neuroscience. She is the President of the Royal Danish Academy of Sciences and Letters.

**Marta Giovanetti's** research focuses on gene flow in pathogen populations using a One Health approach that integrates human, animal, and environmental health. By combining phylogenetics, phylogeography, and ecological data, she studies arboviral outbreaks in Latin America. She develops tools to integrate viral genetic data with clinical, demographic, and environmental information to inform public health policies. After completing her PhD in RNA virus molecular evolution at the University of Rome Tor Vergata, she conducted fieldwork in Sierra Leone during the Ebola outbreak, emphasizing zoonotic transmission and environmental factors. At FIOCRUZ, she focused on arthropod-borne virus evolution, and she is now a Visiting Researcher there and Assistant Professor at Università Campus Bio-Medico di Roma. Her work integrates One Health principles in genomic surveillance of emerging viral pathogens, collaborating with PAHO/WHO to understand drivers of disease spread, including climate change and land use. As part of CLIMADE, they develop tools and interventions to address climate-amplified diseases. Her research combines real-time genome sequencing with large-scale data analysis to study viral origins and transmission dynamics, addressing global public health challenges.

Professor **Mercedes Maroto-Valer** (FRSE, FIChemE, FRSC, FRSA, FEI) is Champion and Director of the UK Industrial Decarbonisation Research and Innovation Centre (IDRIC) focused on accelerating the sustainable transition to net zero of industries and establishing the first world net-zero industrial cluster.

She is Deputy Principal (Global Sustainability) at Heriot-Watt University leading institutional and global changes in sustainability. She is Director of the Research Centre for Carbon Solutions (RCCS), delivering innovation for the wider deployment of low-carbon energy systems required for meeting net-zero targets.

Her internationally recognised track record covers energy systems, CCUS, integration of hydrogen technologies and low-carbon fuels.

**Peter Tankov** is professor of quantitative finance at ENSAE, the French national school for statistics and economic administration, having previously worked at Paris-Cite university and Ecole Polytechnique. He is a mathematician, specialist in applied probability and stochastic processes. Peter is the scientific director of the Paris Agreement Research Commons foundation at Louis Bachelier Institute and member of editorial boards of the main quantitative finance journals: Mathematical Finance and Finance and Stochastics. His current research interests include quantitative finance, energy finance, and green and sustainable finance. Peter is the author of over 50 research articles on these and other topics and of the widely read book, Financial Modelling with Jump Processes. He is the recipient of the 2016 Best Young Researcher in Finance award of the Europlace Institute of Finance, the 2024 Louis Bachelier Prize of London Mathematical Society, SMAI, and Natixis Foundation.