

Joint 11th Conference of the Parties to the Vienna Convention & the 29th Meeting of the Parties to the Montreal Protocol

Science Panel Discussion

The scientific foundation of the Montreal Protocol: past, present and future

Montreal, 23 November 2017



Dr. Mona Nemer
Government of Canada
Moderator

Dr. Mona Nemer is Canada's Chief Science Advisor. Her main role is to advise the Prime Minister and the Minister of Science on science issues. Before becoming the Chief Science Advisor, Mona Nemer was Professor and Vice-President, Research, at the University of Ottawa and Director of the Molecular Genetics and Cardiac Regeneration Laboratory. Prior to joining the University of Ottawa, she was a Professor of Pharmacology at the Université de Montréal and directed the Cardiac Genetics Unit at the Montreal Clinical Research Institute. Dr. Nemer holds a PhD in Chemistry from McGill University.



Vitali Fioletov
Environment and Climate
Change Canada

Vitali Fioletov is a Senior Research Scientist in the Measurements and Analysis Research Section of the Air Quality Research Division of Environment and Climate Change Canada. He is an author of over a hundred scientific publications, and author, lead author and/or chapter editor of seven World Meteorological Organisation/United Nations Environment Programme Scientific Assessment of Ozone Depletion. He is also the scientific authority of the Canadian ozone monitoring network. Vitali Fioletov has a Master's degree in Mathematics from the Moscow State University and a PhD from Russian Central Aerological Observatory for research related to stratospheric ozone.



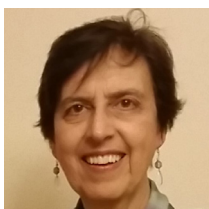
Nathan Gillett
Environment and Climate
Change Canada

Nathan Gillett manages Environment and Climate Change Canada's Canadian Centre for Climate Modelling and Analysis, where he oversees the development and application of the Canadian Earth System Model and the Canadian Middle Atmosphere Model, which is used to simulate future changes in stratospheric ozone. He has published extensively on the climate impacts of stratospheric ozone depletion, and was a lead author of the chapter on stratospheric ozone changes and climate of the 2014 World Meteorological Organisation/United Nations Environment Programme Scientific Assessment of Ozone Depletion. He also served as a lead author of the Intergovernmental Panel on Climate Change Fourth and Fifth Assessment Reports. He holds a doctorate in atmospheric physics from the University of Oxford.



Amanda Maycock
University of Leeds

Amanda Maycock is Associate Professor in Climate Dynamics and a National Environmental Research Council Fellow in the School of Earth and Environment at the University of Leeds (UK). She completed her PhD at the University of Reading in 2012 and held research posts in Oxford and Cambridge before moving to Leeds in 2015. She is a Lead Author of the 2018 WMO/UNEP Ozone Assessment Report and co-chairs the World Climate Research Programme SPARC Activity on Atmospheric Temperature Changes and their Drivers. Amanda is a steering committee member of the Aerosols and Chemistry Model Intercomparison Project and is a member of the US Climate Variability and Predictability Program working group on the Changing Width of the Tropical Belt.



Anne Thompson
National Aeronautics and
Space Administration

Dr. Anne Thompson, Senior Scientist for Atmospheric Chemistry at NASA's Goddard Space Flight Center, has twenty years' experience in leading strategic ozonesonde networks for field campaigns and long-term satellite validation. Prior to that she published the earliest modeling studies on interactions of ozone depletion, air quality and the earth's oxidizing capacity. In the 1990s, Dr. Thompson served as the first Project Scientist of NASA's Subsonics Assessment Program. During her tenure as a Penn State University Meteorology Professor (2005-2013) she was a Senior Fulbright Scholar in South Africa. Her PhD is in Physical Chemistry from Bryn Mawr College.



Guus Velders
Utrecht University
and RIVM

Guus Velders is a professor of Air Quality and Climate Interactions at Utrecht University and the National Institute of Public Health and the Environment (RIVM) in the Netherlands. He is a member of the Scientific Assessment Panel of the Montreal Protocol since 1997 and author of several publications on the climate effects of ozone depleting substances and HFCs. He holds an MSc in applied physics and a PhD in quantum chemistry (University of Twente, Netherlands).