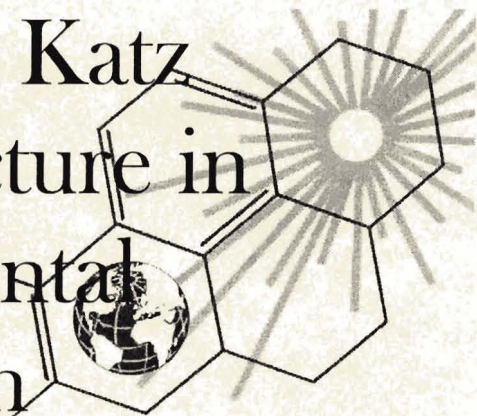


2001 Morris Katz
Memorial Lecture in
Environmental
Research



Henry Hengeveld

Environment Canada's Advisor on Climate Change

Climate Change: Why all the Fuss?

May 25, 2001

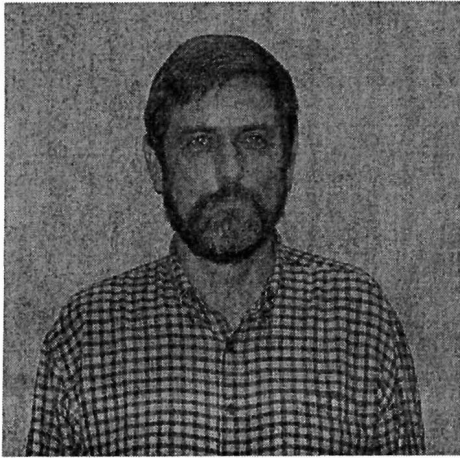
2:30 p.m.

York University

Senate Chamber, N940 Ross Bldg.

4700 Keele Street, Toronto

Centre for Atmospheric Chemistry



Abstract

While the global climate has been changing due to natural factors throughout Earth's history, evidence for human interference with the climate system now suggests that expected rates of change during the next century are likely to be unprecedented in at least the past 10,000 years. Such rapid changes will have important implications for both natural ecosystems and human society. This presents an interesting and pressing challenge for not only the research community, but for policy makers, industry and society in general. The presentation will review the latest scientific evidence presented by the International Panel on Climate Change, for current and future human influences on climate and summarize some of the related implications for our future well-being. It will also discuss the challenge of effectively communicating complex science such as that of climate change to lay audiences, particularly those within the decision making community.

Biological Sketch

Henry Hengeveld is Environment Canada's Science Advisor on Climate Change, a position he has held since 1982. In this capacity, he undertakes regular assessments of national and international scientific literature and research activities related to climate change and

communicates related information to a broad range of scientific and lay audiences, including policy makers, industry groups and the general public. He has published numerous reports on the science of climate change, and frequently speaks to a broad range of audiences on the topic. Throughout the past decade, he has also been actively involved in a variety of domestic and international meetings dealing with both climate change science assessment and the development of related global agreements on mitigative action.

Henry obtained his BSc in Mathematics and Physics in 1968 and his MSc in Meteorology in 1970, both at University of Toronto. Prior to assuming his current activities on climate change, he spent more than a decade studying operational methods of monitoring sea ice using remote sensing.

The Lectureship Fund

The Morris Katz Lectureship was made possible by the establishment of an Endowment Fund created through contributions from his family, his friends, his colleagues, private companies, universities and government. It is intended that this lectureship become self sustaining. Major contributions in support of this year's lecture have been made by:

The Centre for Atmospheric Chemistry, and The Ontario Ministry of the Environment.

If you share in Morris Katz' enthusiasm and commitment to having a cleaner environment, please make a contribution to support this ongoing educational activity. Send your contribution in care of: The Morris Katz Memorial Lectureship, Centre for Atmospheric Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3 Canada.

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