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BIOECONOMY COORDINATING COMMITTEE

2022

CO-SPONSORED BY

BIOLOGICAL SCIENCES DIRECTORATE | BIO
CLIMATE CHANGE COORDINATING COMMITTEE | C4
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING | OISE
GEOSCIENCES DIRECTORATE | GEO

ADVANCING THE INCLUSION OF BIOLOGICAL PROCESSES IN CLIMATE CHANGE MODELING

DATE
April 28th

TIME
9:30 am - 10:30 am

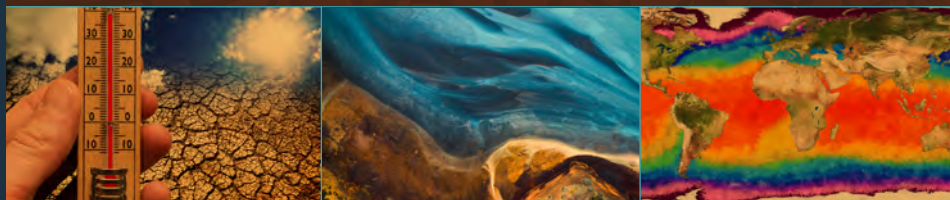
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**Pavel
Kabat, PhD**
Secretary-General

INTERNATIONAL
HUMAN FRONTIER
SCIENCE PROGRAM
ORGANIZATION
(HFSP)

CO-RECIPIENT OF
THE 2007 NOBEL
PEACE PRIZE AS LEAD
AUTHOR OF THE
INTERGOVERNMENTAL
PANEL ON CLIMATE
CHANGE (IPCC) (GROUP
AWARD TO THE IPCC
AUTHORS)



National Science Foundation



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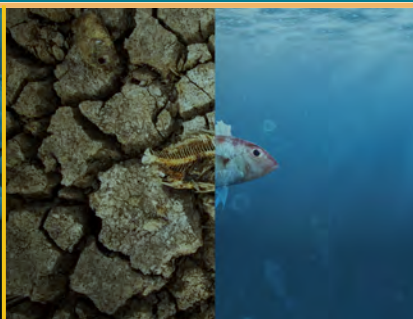
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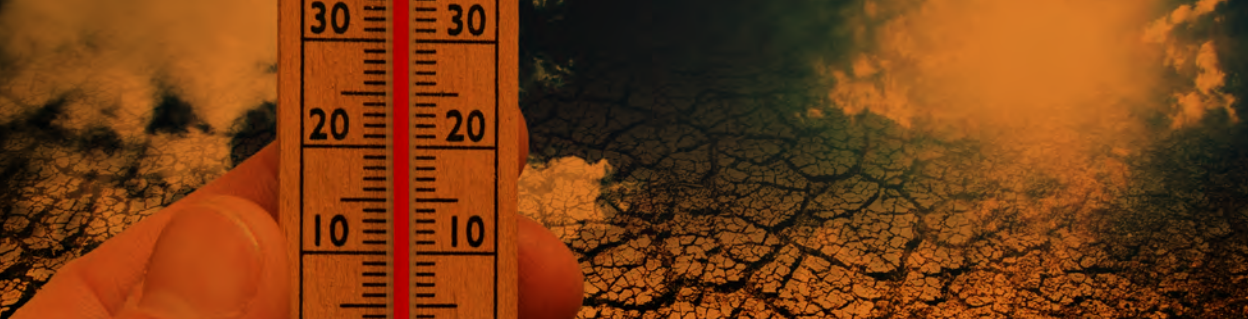
ABOUT THE SPEAKER

Trained as a mathematician and hydrologist Professor Kabat has worked in the field of earth system sciences since the early 1980s, with a focus on transdisciplinary approaches, land-atmosphere interactions and biogeochemical feedbacks. He was recently appointed Secretary General of the International Human Frontier Science Program Organization (HFSP), which was established back in 1989 by the G7 nations to advance international research and training at the frontier of the life sciences. It is supported in 2021 by contributions from the G7 nations, together with Switzerland, Australia, India, Israel, New Zealand, Singapore, Republic of Korea, and the European Union. With its collaborative research grants and postdoctoral fellowships, the Program has issued over 4500 awards involving about 7500 scientists from all over the world. Since the beginning of the Program in 1989, 28 HFSP awardees have gone on to win the Nobel Prize.

Before HFSP, Professor Kabat was the inaugural Chief Scientist and Research Director of the Geneva based World Meteorological Organization (WMO) of the United Nations, where he was overseeing the overall strategic direction of WMO science and science to application activities worldwide. Previously, he was Director General and Chief Executive Officer of the International Institute for Applied Systems Analysis (IIASA) in Laxenburg, Austria, an independent, international science and science-to-policy institute, that conducts fundamental, applied and policy-oriented research into problems that are too large or too complex to be solved by a single academic discipline or country. Since late 1990s he has been Professor at Wageningen University in the Netherlands, where he supervised more than 50 successfully graduated PhD students, coming from all over the world. Author and (co)-author of around 450 publications, including 9 books, member of three editorial boards of international journals, and (co)editor of numerous special issues of peer reviewed international journals.

In 2013, he was named by Her Majesty Queen Beatrix Knight in the Order of the Netherlands Lion, a national order of chivalry founded in 1815 by King William I, which recognizes excellence in the arts, science, sport, and literature. In 2018, he was awarded the Austrian Cross of Honor for Science and Art, First Class. The award is conferred by the Federal President of the Republic of Austria and recognizes leading figures who have "gained universal recognition and a distinguished reputation for their outstanding achievements in the field of science or art". Other academic and societal awards and distinctions include 2007 Nobel Peace Prize (co- recipient of a group prize awarded to IPCC), The Zayed International Prize for the Environment, and several honorary degrees, memberships and distinguished fellowships internationally.





UPCOMING LECTURES | 2022

THURSDAY, MAY 19, 2022

11:00 a.m. – 12:00 p.m. (Cosponsored by the Bioeconomy Coordinating Committee, BIO, and ENG)

Bill Bentley, PhD

Robert E. Fischell Distinguished Chair of Engineering

Inaugural Director of the Robert E. Fischell Institute for Biomedical Devices

University of Maryland

THURSDAY, JUNE 16, 2022

11:00 a.m. – 12:00 p.m. (Cosponsored by the Bioeconomy Coordinating Committee, BIO, and CISE)

Domitilla Del Vecchio, PhD

Professor of Mechanical Engineering

Massachusetts Institute of Technology (MIT)

NSF Bioeconomy Coordinating Committee Distinguished Lecture Series

NSF invests in fundamental research to support biotechnology and advance the U.S. bioeconomy across all fields of science and engineering. Presented by NSF's Bioeconomy Coordinating Committee and NSF Directorates, this distinguished lecture series will bring in individual speakers and panels representing the science and technology funded by a Directorate every month. Speakers will present on research and broader impacts in areas associated with biotechnology and the bioeconomy that are of interest broadly across the foundation.

All sessions will be conducted virtually.

For more information, refer to the NSF Bioeconomy Distinguished Lecture Series [website](https://www.nsf.gov/bioeconomy) or contact **Jared Dashoff** at jdashoff@nsf.gov.

WEBSITE

www.nsf.gov

TELEPHONE

TEL: (703) 292-5111

FIRS: (800) 877-8339

TDD: (800) 281-8749

ADDRESS

2415 Eisenhower Avenue

Alexandria, Virginia 22314, USA



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