

**THE ISRAEL ACADEMY OF SCIENCES AND
HUMANITIES**

The Batsheva de Rothschild Fund for
The Advancement of Science in Israel

The American Foundation for Basic Research in Israel



**The Batsheva de Rothschild Workshop on Climate Changes and
their Effect on Agriculture, Economics and the Environment**

June 20-21, 2016

Detailed Scientific Program (as of June 8th)

Session 1: Climate Change, Air, Soil and Plants

Chair: Iddo Kan, Department of Environmental Economics and Management, Hebrew University

- Pinhas Alpert, Department of Geosciences, Tel-Aviv University - Regional Climate Predictions over the Mediterranean & Mid-East for 21st Century
- Eran Tas, Joseph H. and Belle R. Braun Senior Lectureship in Agriculture, Department of Soil and Water Sciences, Hebrew University - The Bi-directional Relationship of Air Pollution and Plants under Global Warming
- Menachem Moshelion, Institute of Plant Sciences, Hebrew University - Why Don't We Have Crops which are Resistant to Abiotic Stresses?
- Dan Yakir, Department of Earth and Planetary Sciences, Weizmann Institute of Science – Some Tradeoffs in the Interactions between Land Use and Climate Change

Session 2: Climate Change and Water Resource Management

Chair: Israel Finkelshtain, Department of Environmental Economics and Management, Hebrew University

- Efrat Morin, Program of Hydrology and Water Resources, Hebrew University - Climate Change Impacts on Rainfall and Streamflow in the Ramot Menashe Region
- Ami Reznik, Department of Environmental Economics and Management, Hebrew University – Economic Implications of Agricultural Reuse of Treated Wastewater in Israel
- Iddo Kan, Department of Environmental Economics and Management, Hebrew University – Structural Analysis of Irrigation-Water Substitutes to Freshwater

Session 3: Climate Change and Agriculture A

Chair: Wolfram Shlenker, School of International and Public Affairs and the Earth Institute, Columbia University

- David Zilberman, Department of Agriculture and Resource Economics, University of California, Berkeley – The Economics of Climate-Smart Agriculture
- Ofira Ayalon, Department of Natural Resources and Environmental Management, University of Haifa, and Samuel Neaman Institute - Agritech and Climate Change - New Opportunities
- Dafna M. DiSegni, Tel-Hai College - Impacts of Climate Change on the Israeli Marine Economy
- Aliza Fleischer, Department of Environmental Economics and Management, Hebrew University - A Structural Land-Use Analysis of Agricultural Adaptation to Climate Change
- Ayal Kimhi, Department of Environmental Economics and Management, Hebrew University - Impacts of Climate Change on Agriculture and Food Markets

Session 4: Climate Change, Agriculture and the Environment

Chair: Ofir Rubin, Department of Public Policy, Ben-Gurion University

- Arie Oskam, Division of Agricultural Economics and Rural Policy, Wageningen University - Observations and Research on Climate Change in Relation to Long-Term Movements and Fluctuations: How to Keep Developments in Perspective?
- Eyal Rotenberg, Department of Earth and Planetary Sciences, Weizmann Institute of Science – Forests-Climate Interactions and its Implications for the Future of Forests in Israel
- Gil Eshel, Ministry of Agriculture and Rural Development - Residue-Management for adapting soils productivity under climate changes

Session 5: Climate Change and Agriculture B

Chair: Eli Feinerman, Department of Environmental Economics and Management, Hebrew University

- Jaime Kigel, Institute of Plant Sciences, Hebrew University – Impact of Climate Change on Primary Production and Plant Diversity
- Pedro Berliner, Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev - Coping with Climate Change by Decreasing Non-Productive Water Losses in Agricultural Crops
- Koos Gardebroek, Division of Agricultural Economics and Rural Policy, Wageningen University - Analyzing Spillovers from Climatic Production Shocks in Global Wheat Markets
- Darrell Bosch, Department of Agricultural and Applied Economics, Virginia Tech - Meeting Water Quality Goals under Climate Change

Session 6: Climate Change Policy

Chair: Aliza Fleischer, Department of Environmental Economics and Management, Hebrew University

- Jack Peerlings, Division of Agricultural Economics and Rural Policy, Wageningen University - Measurement of Agricultural, Economic and Environmental Impacts of Climate Change
- Itay Fishhendler, Department of Geography, Hebrew University - The Art of Making a Half-Baked Cake: The Israeli Water Reform
- Eran Feitelson, School for Environmental Studies, Hebrew University - Vulnerability and Adaptation to Climate Change: The Case of Israel

Program outline

June 20

8:30-9:00	greetings
9:00-11:00	session A
11:00-11:30	coffee break
11:30-13:00	session B
13:00-14:00	lunch
14:00-16:00	session C
16:00-16:30	coffee break
16:30-18:00	session D
18:00-19:00	dinner
19:00 --	social activity

June 21

8:00-8:30	breakfast for those staying overnight
8:30-10:30	session E
10:30-11:00	coffee break
11:00-12:30	session F
12:30-13:00	concluding session
13:00-14:00	lunch
14:00-17:00	tour at Zeraim Gedera (a seed company)

The workshop was supported in part by the Israeli Ministry of Science, Technology and Space, by the Center for Agricultural Economic Research, and by the Hebrew University

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