

2023 ביולי 13-12

אקספו ביתן 2, גני התערוכה, תל אביב

הוועידה השנתית ה-51
למדע ולסביבה



The 51st Annual Conference for Science and the Environment | 12-13 July 2023

Wednesday, July 12 th 2023					
08:00–08:45 Welcome and Registration Entrance hall					
Opening Plenary Session					
08:45–10:00 Welcome and Opening From Global to Local: Artificial Intelligence (AI) Solutions for Weather Forecasting Adaptation and Resilience: Bridging Global Models and Local Solutions Dr. Keywan Rihai – IIASA AI Solutions for Flood Forecasting Prof. Avinatan Hassidim, Head of Google Israel Research Group Hot, Dry, High, Extreme and... Local Dr. Neta Lipman, Senior Deputy Director General, Natural Resources & Climate Resilience Division, Ministry of Environmental Protection In Cooperation with GOOGLE					
10:10–11:40 Parallel Sessions					
H Hall Applied Data Usage Track: Applied Sustainability Research Using Integrative Models Moderator: Prof. Vered Blass, Tel Aviv University *In Cooperation	I Hall Nature Conservation and Ecology Track: Marine Ecology Moderator: Dr. Adi Levi, Achva Academic College	F Hall Agriculture Track: Environmental Aspects in Agriculture Moderator: Dr. Oren Shelef, Volcani Center	M Hall Carbon Trading and Sequestration Track: Do You Want Cheap Air? Offsetting as a Tool for Carbon Balance Moderator: Dr. Avi Luvchik, CEO and Founder, Oporto-Carbon	L Hall Economy, Law, and Climate Track: Less Risk, More Acclimatization Moderator: Dr. Orly Ronen, Tel Aviv University	K Hall Forest and Vegetation Track: Challenges and Opportunities in the Establishment and Renewal of JNF Forests Moderator: Dr. Shani Rohatyn-Blits, JNF

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	with IIASA Institute					
11:40-12:00	Coffee Break					
	Early Afternoon Plenary					
11:50-13:00	<p>Opening Doors to Research – A Lookout on the Environment</p> <p>Prof. Idan Segev, Department of Cognitive and Brain Sciences, The Hebrew University of Jerusalem, and Scientific Manager, Frontiers for Young Minds Screening of Short Film Presenting the 2023 Planet Prize Winners Prof. Jonathan Belmaker, The George S. Wise Faculty of Life Sciences, Tel Aviv University, and the Israeli Nominee for the Planet Prize 2023</p> <p>Dr. Gilbert De Gregorio, Head of Frontiers Strategic Projects and Partnerships, Lausanne Switzerland, and Manager of Frontiers Planet Prize</p> <p>Plenary Moderated by Ms. Maya Halevy, Director of the Bloomfield Science Museum, Jerusalem Prof. Ofira Ayalon, The School of Environmental Studies, Haifa University, Samuel Neaman Institute, The Technion Dr. Yael Zilbershtain-Kra, Manager of the 'Frontiers for Young Minds' Initiative, Israel Dr. Galia Zer Kavod, Coordinator of Science Studies and the Scientific-Technological Major Program at the Yadlin Interdisciplinary Campus, Rishon Le-zion, Israel Miss Maor Karam from the Tabib Junior High, Rishon Le-Zion, Scientific Reviewer in the 'Frontiers for Young Minds' Initiative</p> <p>In Cooperation with Frontiers Open Access Publisher, and the Bloomfield Science Museum, Jerusalem</p>					
13:00-14:00	Lunch					
14:10-15:40	Parallel Sessions					
	<p>H Hall Applied Data Usage Track:</p> <p>Usage of the National Observations Database</p> <p>Moderator: Dr. Anna Trajtenbrot,</p>	<p>I Hall Nature Conservation and Ecology Track:</p> <p>Advanced Methodologies in Nature Conservation</p>	<p>F Hall Agriculture Track:</p> <p>Agro-Ecology Moderator: Dr. Guy Rotem – EcologyWise – Ecology, Environment, Landscape</p>	<p>M Hall Environment, Law, and Climate Track:</p> <p>New Atmosphere in Investments</p> <p>Moderator: Dr. Liad Ortar,</p>	<p>L Hall Climate and Emissions Reduction Track:</p> <p>R&D and Climate Initiatives in the JNF</p>	<p>K Hall Forest and Vegetation Track:</p> <p>Forest and Pasture</p> <p>Moderator: Dr. Efrat Sheffer, The Hebrew</p>

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	Ministry of Environmental Protection	Moderator: Prof. Yossi Shoval, Tel Aviv University		Shibolet ESG Manager	Moderator: Dr. Doron Merkel, Chief Scientist, JNF	University of Jerusalem
15:40–16:00	Coffee Break					
16:00–17:30	Parallel Sessions					
	<p>H Hall Applied Data Usage Track: Environmental Challenges in the Data and Information Era – Artificial Intelligence, Big Data and Remote-Sensing Moderator: Dr. Zohar Barnett-Izhaki, Ruppin Academic Center</p>	<p>I Hall Nature Conservation and Ecology Track: Managing Animal Populations Moderator: Ms. Tamar Raviv, Ministry of Environmental Protection</p>	<p>F Hall Agriculture Track Renewing Agriculture – from Farmer, to Scientist, to Policy Makers Co-moderators: Dr. Gil Eshel, Ministry of Agriculture and Rural Development, and Dr. Yael Laor, Volcani Center</p>	<p>M Hall Climate and Emissions Reduction Track Technologies for Emissions Reduction in the Energy Market Moderator: Dr. Shachar Dolev, Ministry of National Infrastructures, Water and Energy Resources</p>	<p>L Hall Economy, Law and Climate Track Environmental Economy and Behavior Moderator: Prof. Nir Necker, Tel-Hai Academic College</p>	<p>K Hall Forest and Vegetation Track: Vegetation and Soil Ecology Moderator: Dr. Tamir Klein, Weizmann Institute of Science</p>
17:30–18:30	General Assembly of the Israel Society of Ecology and Environmental Sciences Electing the Executive Board					
19:30–22:00	<p>Gala – main plenary hall</p> <p>*Reservations only</p>					

	Thursday, July 13 th 2023
08:00–08:45	<p>Welcome and Registration</p> <p>Entrance hall</p>

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	Opening Plenary Session					
08:45–10:00	<p>Welcome</p> <p>We Are the Weather Mr. Jonathan Safran Foyer</p> <p>Prof. Noga Kronfeld-Schor, Chief Scientist, Ministry of Environmental Protection</p> <p>50 years of Research on the Coral Reefs of Eilat Prof. Yossi Yovel, Tel Aviv University Prof. Yossi Loya, Professor Emeritus of Marine Ecology at Tel Aviv University, Lifetime Achievement Award Laureate</p>					
10:10–11:40	Parallel Sessions					
	<p>H Hall Urbanism, Planning, Community and Environment Track:</p> <p>Knowledge and Science as a Driver for Change: Climate Resilience in Local Authorities</p> <p>Moderator: Dr. Zohar Berman, Manager of the Israeli Climate Forum Established by the Israeli President</p> <p>Special guest: Dr. Eleni Myrivilli,</p>	<p>I Hall Health and Environment Track:</p> <p>The Effect of Pesticides on the “One Health” Approach</p> <p>Moderator: Dr. Gal Zagron, Ministry of Environmental Protection</p>	<p>F Hall Nature Conservation and Ecology Track:</p> <p>Water Usage Efficiency and Water Balances in Desert Areas</p> <p>Co-moderators: Dr. Elli Groner and Dr. Shayli Dor-Haim, Dead Sea and Arava Science Center</p>	<p>M Hall Carbon Trading and Sequestration Track</p> <p>Sequestration and Capturing of Atmospheric Carbon in Marine and Terrestrial Ecosystems</p> <p>Moderator: Dr. Avner Gross, Ben Gurion University of the Negev, Academic Forum for Carbon Sequestration</p>	<p>L Hall Climate and Emissions Reduction Track:</p> <p>Managing Climate Risks: From Theory to Actions</p> <p>Moderator: Attorney Hen Tirosh, Climate Risks and ESG, Deloitte, Israel</p>	<p>K Hall Water Track:</p> <p>Aquatic Habitats and Runoff Management</p> <p>Moderator: Prof. Avital Gasith, Tel Aviv University, Israel Prize Laureate</p>

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	UN Heat Adviser					
	Lunch Plenary					
11:50–13:00	<p>Food Security and Alternative Proteins – Challenges and Solutions</p> <p>Opening Lecture: Mr. Nir Goldstein, CEO, GFI Israel</p> <p>Prof. Ron Milo, Chairman of the Israel Society of Ecology and Environmental Sciences MEETS</p> <p>Prof. Ruth DeFries, Department of Ecology, Evolution and Environmental Biology, Colombia University</p> <p>Dr. Shira Efron, Senior Director of Policy Research at Israel Policy Forum and Senior Advisor to Israel’s Ministry of Defense and National Security Council MEETS</p> <p>Ms. Caitlin Welsh, Director of the Global Food Security Program, at the Center for Strategic and International Studies (CSIS)</p> <p>Israeli Alternative Protein Technologies Dr. Lee Recht, VP of Sustainability, Aleph Farms Dr. Ori Cohavi, CTO, Remilk Mr. Sagi Dagan, VP & Head of Strategy Division, Israel Innovation Authority</p> <p>Food Security on the Global Stage – Panel Moderated by Ms. Alla Voldman Rantzer, VP of Government & Strategy, GFI Mr. Gideon Bachar, Special Envoy for Climate Change and Sustainability in the Ministry of Foreign Affairs Ms. Stephanie Hallett, Deputy Chief of Mission to the US Ambassador in Israel Mr. Ben Myers, Deputy Head of Mission, British Embassy Israel</p> <p>In Collaboration with GFI Israel</p>					
13:00–14:00	Lunch + Posters					
14:00–15:30	Parallel Sessions					
	<p><u>H Hall</u> Climate and Emissions Reduction Track:</p>	<p><u>I Hall</u> Sustainable Food Track: Innovation in Alternative</p>	<p><u>F Hall</u> Environmental Education Track:</p>	<p><u>M Hall</u> Carbon Trading and Sequestration Track:</p>	<p><u>L Hall</u> Economy, Law and Climate Track:</p>	<p><u>K Hall</u> Water Track: Challenges and Opportunities in Releasing</p>



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	Climate Change from Micro to Macro Moderator: Prof. Anat Tchetchik, Bar-Ilan University	Protein Research Moderator: Dr. Michal Halpert, GFI, In Cooperation with GFI	Civil Research Initiatives of Local Biodiversity as an Educational Tool Moderator: Nadan Goffer, CEO, Green Step	Sequestration and Capturing of Atmospheric Carbon – From Deep in Soil to the Startup Creation Moderator: Dr. Naama Lang-Yona, Academic Forum for Carbon Sequestration	The Law and Environmental Policy Moderator: Dr. Or Karasin, The Open University	Water Back to Nature Co-moderators: Mr. Ze'ev Achipaz, Deputy Director General, The Water Authority, and Dr. Asaf Tsoar, Israel Nature and Parks Authority
15:30–16:00	Coffee Break					
16:00–17:30	Parallel Sessions					
	H Hall Climate and Emissions Reduction Track: Local Climate Moderator: Prof. Ofira Ayalon, Haifa University, Samuel Neaman Institute, the Technion	I Hall Urbanism, Planning, Community, and Environment Track Planning, Environment, and Their Interrelationship Moderator: Prof. Rassem Khamaisi, Haifa University	F Hall Environmental Education Track: Environment, Education, and Community Moderator: Dr. Iris Alkaher, Kibbutzim College	M Hall Carbon Trading and Sequestration Track: Carbon Sequestration and Capture Using the Natural Ecosystems Moderator: Mr. Asaf Zanzuri, The Society for the Protection of Nature in Israel	L Hall Health and Environment Track: Health, Environment, and Wellbeing Moderator: Dr. Maya Negev, Haifa University	K Hall Water Track: Pollution and Restoration of Water Systems in Israel Moderator: Prof. Shay Arnon, Ben Gurion University of the Negev

