

Food, Water and Energy Solutions for Resilience in a Vulnerable World
Presenting Off-grid and Distributed Technologies in the Face of Climate Change


Webinar, September 15th, 2020

16:00 Welcome – David Lehrer Executive Director of the Arava Institute – The Arava Institute's role in the development and implementation of distributed food, water and energy solutions in the Middle East

16:10 Keynote Speaker – Prof. Phoebe Koundouri Athens University of Economics and Business - Sketching Sustainability Transition in Europe: Sustainable Development Goals, European Green Deal, EU Recovery Plan


16:55 Jordan River Basin Cooperation on Water – Prof. Eilon Adar, Ben-Gurion University Zuckerberg Water Institute

17:00 Panel I - Water

- **Watergen** – Atmospheric Water Generator – Roni Litinetsky, WaterGen  Representative
- **Decentralized Wastewater Treatment for Re-Use in Jordan and Gaza** – Yitzhak Gal
- **Laguna – Vertical Green Wall Wastewater Treatment and Reuse System** – Dr. Clive Lipchin
- **Q & A**

17:35 Regional Energy Cooperative solutions – Dr. Nurit Gal, Former Deputy Director, Israel Electricity Authority; Oxford Martin School, Oxford University


17:40 Panel II – Energy

- **Home Biogas** - waste to energy – Yair Teller, CEO Home Biogas 
- **Solar air heaters potential in the region** – Dr. Tareq Abu Hamed
- **Q& A**

18:10 Break

18:45 Regional food and self-sufficiency – Dr. Shmuel Brenner

18:50 Panel III – Food and self-sufficiency

- **'Solabundance'-local autonomy using the Sun, Air and Metal Hydrides** - Prof. Jürgen Kleinwächter, Germany, speaking for the consortium of: SunOrbit, Gotec, Max Plank Institute, ShyaLou foundation
- **AgriVoltaics, the Energy-Food-Water Nexus** – Dr. Tali Zohar, Dead Sea and Arava Science Center 
- **Village in a Box** – Victor Haim and Yonatan Haran, Co-Founders Sustainable Group LTD
- **Q& A**

19:25 Vision of the Arava Institute: building a self-sufficient campus as a model of sustainability