

## Invitation to virtual DK Guest Lecture

# Advancements in Energy and Climate Scenario Research

**Dr. Keywan Riahi**

Director of Energy Program, International Institute for Applied Systems Analysis (IIASA)

**Thursday, 5 November 2020**

**10:30 - 12:00 am**

<https://unimeet.uni-graz.at/b/sch-rap-ka3>

### Abstract

In order to reach the 2°C target of the Paris Agreement unprecedented levels of sustainable energy technology deployment are required. Climate change mitigation efforts need to be accompanied by scenario research that can assist in steering the energy transition into the right direction. In this lecture an overview is given of some of the latest insights in energy and climate scenario science, with a special focus on feasibility, lifestyle changes, energy demand reduction, and investment needs. The relation of current research endeavors in this domain to the forthcoming 6th Assessment Report of the IPCC is described, as well as to national and regional policy design and the United Nations global Sustainable Development Goals (SDGs).

Dr. Keywan Riahi is the Director of the Energy Program of IIASA and Visiting Professor, Energy Systems Analysis of the Graz University of Technology, Austria. His main research interests are long-term patterns of technological change and economic development, particularly in the evolution of the energy system. His present research focuses on energy-related sources of global change, and on future development and response strategies related to the Sustainable Development Goals (SDGs).