



# Kewyan Riahi

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Kewyan Riahi is the Environment (ECE) Program at the IIASA. In addition, he is a Visiting Professor of Energy Systems Analysis at the Graz University of Technology and serves as an External Faculty Member at the Institute for Advanced Study (IAS) at the University of Amsterdam.

In 2021, Mr Riahi was ranked first by Reuters as the most influential climate scientist worldwide and he was also recognized by Clarivate as one of 23 researchers worldwide in the list of Highly Cited Researchers in three categories (Geosciences; Social Sciences; and Environment and Ecology).

He was appointed to the European Scientific Advisory Board on Climate Change, providing scientific advice to underpin the climate policies in the EU, and was appointed by UN Secretary General Guterres to the 10-Member Group to advise the UN on the Technology Facilitation Mechanism for the implementation of the Agenda 2030. In addition, he serves on the Scientific Advisory Board of the City of Vienna.

He received the prestigious European Research Council (ERC) Synergy Grant for the GENIE Project, focusing on new methods and technologies for carbon dioxide removal from the atmosphere. His key scientific achievements comprise the coordination and development of the so-called Representative Concentration Pathways (RCPs) and the Shared Socioeconomic pathways (SSPs), which have facilitated the integrated analysis of climate change response options across the entire scientific community. He plays a leading role in the scientific community as a member of the Scientific Steering Committee of the Integrated Assessment Modeling Consortium (IAMC) and the International Committee on New Integrated Climate Change Assessment Scenarios (ICONICS), where he is responsible for the coordination and co-design of flagship research activities across the research community.

He has been appointed to the Earth Commission Working Group I on the Earth and Human System Modelling Inter-comparison Project (EHSMP) and also serves as the Coordinating Lead Author in Working Group III of the IPCC Sixth Assessment Report (AR6, Chapter 3 on Mitigation pathways compatible with long-term goals).

Additional scientific highlights include serving as Lead Author to various international assessments, such as the Global Energy Assessment (GEA), The World in 2050 (TWI2050), and various IPCC reports, including the IPCC's Third, Fourth, and Fifth Assessment Reports, as well as the IPCC Special Report on Emissions Scenarios (SRES), the IPCC Special Report on CO2 Capture and Storage (SRCCS), and as review editor on the IPCC Special Report on Renewable Energy (SRREN).

- About: <https://iiasa.ac.at/staff/keywan-riahi>
- Suggested Reading: <http://pure.iiasa.ac.at/view/iiasa/250.html>