



# Keigo Akimoto

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Keigo Akimoto received Ph.D. degree from Yokohama National University in 1999. He joined RITE in 1999, and in 2012 became the Leader of the Group and a chief researcher at RITE. He was a guest professor, Graduate School of Arts and Sciences, the University of Tokyo between 2010 and 2014, and a Lead Author for the Fifth and Sixth Assessment Report of IPCC. His scientific interests are in modeling and analysis of energy and environment systems.

He is a member for several advisory bodies on energy and environmental policy for Japanese government including:

- Strategic Policy Committee of Advisory Committee in Natural Resources and Energy
- Subcommittee on 2050 Study of next-generation energy supply and demand structure in view of carbon neutral, Strategic Policy Committee of Advisory Committee in Natural Resources and Energy
- Power Generation Cost Verification Working Group, Strategic Policy Committee of Advisory Committee in Natural Resources and Energy
- Strategic Policy Subcommittee on Electricity and Gas Industry, Electricity and Gas Industry Committee of Advisory Committee in Natural Resources and Energy (Deputy Chair)
- Subcommittee of Hydrogen policy on Energy Saving and New Energy in Advisory Committee for Natural Resources and Energy
- Subcommittee of Decarbonating fuel policy such as ammonia on Resource fuel sub-division in Advisory Committee for Natural Resources and Energy
- Procurement Price Calculation Committee of METI (Deputy Chair)
- Transition Finance Environment Improvement Study Group of METI
- Taskforce for Formulating Roadmaps for Promoting Transition Finance in METI (Chair)
- Climate change impact subcommittee in Central Environment Council

He also serves on advisory bodies for Osaka prefecture, Japan Association for the 2025 World Exposition, Organization for Cross-regional Coordination of Transmission Operators (OCCTO), and others.

- About: <https://www.rite.or.jp/system/en/members/akimoto.html>
- Suggested Reading: <https://www.rite.or.jp/system/en/system-group-papers/>



# Nuno Bento

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Nuno Bento is researcher at DINÂMIA'CET-Iscte, in Lisbon, Portugal. Nuno has extensively published about the complex challenges that cross technology, sustainability, and societal well-being in renowned international scientific journals, including multidisciplinary journals such as *Science* and *Nature Energy*. More specifically, his research covers topics such as the **diffusion of innovations, innovation systems dynamics and sociotechnical transitions, energy and decarbonization** analysis.

At the UN COP28, Nuno will present the main results of a novel assessment which uses both supply-side and energy demand indicators to compare strategies aiming at **enhancing energy security against disruptions while accelerating climate action**. Previously, Nuno Bento has collaborated with an international team that created the groundbreaking **low energy demand (LED) scenario** (Grubler et al., 2018). He also developed **historical comparisons** of energy technologies to assess formation dynamics (Bento et al, 2018), the granularity effect (Wilson et al, 2020) and the impact of digital convergence (Bento, 2023). On the other hand, Nuno leads the research project Sus2Trans, funded by the Portuguese research council (FCT), on sustainable transformations of the economy. This project studies **decarbonization strategies with high socioeconomic potential**.

Nuno's research has received national and international funding. He has consulted for international organizations such as the International Energy Agency and European Commission. He holds a PhD in Economics from the University of Grenoble (France). His academic background also includes post-doctoral studies at the International Institute for Applied Systems Analysis (IIASA, Austria) and Harvard Kennedy School (USA), as well as teaching experience in several countries.

- About: <https://orcid.org/my-orcid?orcid=0000-0002-5923-0666>
- Suggested reading: Bento N. (2023), "Digital convergence and sharing in consumer goods for improving lives and reducing carbon emissions," *Environmental Research Letters*, <https://doi.org/10.1088/1748-9326/ad067e>.  
Bento N., Grubler A., Boza-Kiss B., De Stercke S., Krey V., McCollum D., Zimm C. (forthcoming), "Greater leverage for energy security with demand-side policies," *Science*.



# Nebojsa Nakicenovic

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Nebojsa Nakicenovic is the Vice Chair of the Group of Chief Scientific Advisors to the European Commission; Distinguished Emeritus and Honorary Scholar of the International Institute for Applied Systems Analysis (IIASA) where he was the Deputy Director General and Acting Director General; and former tenured Professor of Energy Economics at Vienna University of Technology.

He is the Executive Director of The World In 2050 (TWI2050); and Ambassador of the Earth Commission by Future Earth.

Other positions include a member of the U.S. National Academies Roundtable on Science and Technology for Sustainability, Scientific Advisory Board of the Potsdam Institute for Climate Impact Research, Fondazione Eni Enrico Mattei, the Austrian Institute for Economic Research; and Steering Committee of the Renewable Energy Policy Network 21; and Member of the UN Ad Hoc Informal Multi-stakeholder Technical Group of Advisors on Sustainable Development Goal 7.

Previous positions included research in support of the European Commission including as a coauthor of 2022 Horizon Europe and New European Bauhaus NEXUS report; he was the Director of the Global Energy Assessment; Co-Chair of the Global Carbon Project; author of the IPCC since its First Report, Convening Lead Author of the Special Report on Emissions Scenarios, of IPCC Second, Third, Fourth and Fifth Assessment Reports; a member of the German Government's Advisory Council on Global Change (WBGU); chair of the Independent Advisory Board of OMV Future Energy Fund (FEF); Member of the UN Secretary General's Advisory Group on Energy and Climate Change and of UN Secretary General's 10-Member Group to support the Technology Facilitation Mechanism.

He holds bachelor and master degrees in economics and computer science from Princeton University and the University of Vienna, where he also completed his Ph.D., and Honoris Causa Ph.D. degree in engineering from the Russian Academy of Sciences.

He is Fellow of the World Academy of Art and Science, Luohan Academy, and the International Science Council, and Member of the Academia Europaea, Montenegrin Academy of Sciences and Arts, and the International Academy for Systems and Cybernetic Sciences, and of the Earth League.

Google Scholar documents 838 publications by Dr. Nebojsa Nakicenovic with some 66 thousand citations. He serves on the Editorial Boards of ten peer-reviewed scientific journals and previously on another ten.



# Joyashree Roy

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Joyashree Roy is the Founder Director of the Centre on South and South East Asia Multidisciplinary Applied Research Network on Transforming Societies of Global South and was the inaugural Bangabandhu Chair Professor at SERD/AIT, Thailand. She was a Professor of Economics in Jadavpur University, India. She is a national fellow of the Indian Council of Social Sciences Research (ICSSR). She is the Founding advisor of the two multi-year projects at Jadavpur University. She was Ford Foundation Post Doctoral Fellow at LBNL, Berkeley, USA. She is the recipient of 2021 Paradigm award of The Breakthrough Institute, USA. She was in IPCC-2007 Nobel Peace Prize winning panel and continued as Coordinating Lead Author in Fifth and Sixth assessment cycles of WGIII of IPCC. She has been a chapter author of Global Energy Assessment, has been associated with the Stern Review Report and many other global and for India National, Subnational Reports. She is in the winning team of 2012 Prince Sultan Bin Aziz creativity award for water. She has published more than 170 peer reviewed journal articles, authored and edited books. She is in the Steering/advisory committee of several national and International science-policy interactive platforms and in editorial boards of many reputed international journals. Her research interests are: Resource and Environmental Economics, Economics of Pollution and Climate Change, Modelling industrial and other sectoral energy demand, Economy-wide modelling exercises for deriving policy implications, Water quality demand modelling, Water, Energy, Carbon pricing, Sustainable development, Natural resource accounting, Valuing environmental services, Developmental and environmental issues relevant for informal sectors, Coastal Ecosystem service evaluation. She features in the documentary Juice: How Electricity Explains the World which explains among other things how developing countries are trying to bring people out of the dark and to the lights and transforming lives.

- About: <https://www.smartscenter.org/people-smarts>  
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- Suggested Reading: <https://doi.org/10.1088/1748-9326/abd81a>  
<https://doi.org/10.1057/s41599-022-01266-6>



# Diana Ürge-Vorsatz

*Central European University, IPCC WG3 Co-Vice chair  
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Diana Ürge-Vorsatz is a **Professor** at the Department of Environmental Sciences and Policy at the **Central European University (CEU)**. She was elected as **Vice Chair** of the Intergovernmental Panel on Climate Change in July 2023. In the Sixth Assessment cycle she served as **Vice-Chair of IPCC's Working Group III**. (Mitigation). She was a **Coordinating Lead Author in both the Fourth and Fifth Assessment Reports (AR4 and AR5)** of the IPCC. She is **Vice President of the Hungarian Scientific Panel on Climate Change**.

She holds a PhD from the **University of California, Berkeley**, and **UCLA** and worked in **Lawrence Berkeley National Laboratory**.

She served as the **Co-Chair of the Scientific Steering Committee** of the largest conference to date on **Cities and Climate Change Science in Edmonton, 2018**. She also served on the **United Nation's Scientific Expert Group on Climate Change** and led the buildings-related work in the **Global Energy Assessment**. She has worked on and directed many research projects for organisations including the **European Commission**, the **European Parliament**, the **Global Environment Facility**, **UNEP**, the **World Energy Council**, **OECD**, and the **World Bank**. She has been serving on the Governing and Advisory boards of several organizations and companies.

She is regularly invited to high-level review panels, such as for the **Lawrence Berkeley National Laboratory**, the **EU's Joint Research Centre**, and several panels in the **European Research Council**. She is regularly providing high-level advice on the science-policy interface. She has delivered **over 200 keynote speeches** worldwide and has over a **thousand media appearances**, including BBC World News, EuroNews, RTL.

- About: <https://www.ipcc.ch/people/diana-urge-vorsatz/>  
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