

DIEGO IRIBARREN

Diego Iribarren is a senior researcher in the Systems Analysis Unit at IMDEA Energy, where he works since October 2010. He received his PhD (2010) and BSc (2005) degrees in Chemical and Environmental Engineering from the University of Santiago de Compostela. His current research activity focuses on the advanced analysis of energy systems under technical, economic, environmental and social aspects. Among his specific research lines, the development and application of novel methodological frameworks combining life-cycle approaches, energy systems modelling, and multi-criteria decision analysis is highlighted. He enjoyed a four-month postdoctoral research stay at the Centre de Recherche Public Henri Tudor (Luxembourg) in 2013 and a one-year research collaboration with ETH Zurich (Switzerland) in 2021-2022 to work on sustainability assessment of energy-related systems.

Diego has been involved in more than 80 research projects and contracts at regional, national and international level. For instance, he coordinates or has coordinated the European research project HyPEF (grant no. 101137575) on promoting an environmentally-responsible hydrogen economy by enabling product environmental footprint studies, the national project ProsConsHy (PID2024-157951OB-I00) on sustainability assessment for integrated energy planning by exploring the prospective consequences of hydrogen deployment in Spain, and the national project PICASO (ENE2015-74607-JIN) on planning the implementation of alternative fuels in the Spanish energy sector towards a sustainable road transport system.

Diego has coauthored more than 130 articles in peer-reviewed international journals, more than 10 book chapters, and more than 190 contributions to national and international conferences, contributing to the methodological development and application of sustainability assessment approaches across different sectors, with a focus on the energy one. Moreover, he has coauthored a large number of project deliverables and international reports for institutions such as the International Energy Agency Hydrogen Technology Collaboration Programme (ISBN 978-1-945951-09-1) and the European Commission Joint Research Centre (ISBN 978-92-76-51975-1). He has supervised a large number of PhD, MSc and BSc theses, as well as postdoctoral researchers (e.g. under grant no. 754382). According to Scopus, Diego has an *h*-index above 50, with more than 50 citations per item on average. He is also a co-developer of the software tools GreenH2armony® and PROAN®, both in the field of energy systems analysis. He has been included in the latest version of the Stanford University list of world's top 2% scientists.

Diego was one of the chairs of the Spanish Network for Life Cycle Assessment (esLCA). Additionally, he participated actively in international networks such as the International Energy Agency Hydrogen Technology Collaboration Programme (analyst expert in Tasks 30 and 41, and subtask leader in Task 36), as well as in national networks such as Red MENTES (RED2018-102794-T ENE and RED2024-153580-E). He was awarded the Hydrogen Europe Research Young Scientist Award for the cross-cutting pillar in November 2018, and he currently performs as the deputy leader of the technical committee on cross-cutting activities for Hydrogen Europe Research. Finally, he actively collaborates in other platforms performing as project reviewer (Spanish State Research Agency, Pontificia Universidad Católica del Perú, Chilean National Fund for Scientific and Technological Development, EPA Ireland, and Portuguese Foundation for Science and Technology), document reviewer, editorial board member, conference committee member, and guarantee researcher (CEX2019-000931-M and CEX2025-001656-S).