www.apdr.pt/congresso/2025

Special Session (SS13) on:

The Spatial Dimensions of Decarbonisation: Challenges and Pathways for a Low-Carbon Future

Organizers:

André Alves, Centre of Geographical Studies and Associate Laboratory TERRA, Institute of Geography and Spatial Planning, University of Lisbon, 1600-276 Lisbon, Portugal; andrejoelalves@edu.ulisboa.pt
Sofia Simões, Resource Economics Unit, LNEG – National Laboratory for Energy and Geology, 2720-999, Amadora, Portugal; sofia.simoes@lneg.pt
Nuno Marques da Costa, Centre of Geographical Studies and Associate Laboratory TERRA, Institute of Geography and Spatial Planning, University of Lisbon, 1600-276 Lisbon, Portugal; nunocosta@edu.ulisboa.pt

The aim and scope:

The transition to a low-carbon economy is reshaping territorial patterns, creating new opportunities while potentially exacerbating regional disparities. Urban centres are assuming strategic roles in decarbonisation through the electrification of transport, improvements in energy efficiency, and technological innovation. In contrast, rural areas are increasingly functional zones for the energy transition, characterised by the presence of large-scale renewable energy facilities, extractive mining activities, and emerging production chains. This reconfiguration has implications for investment attraction, land use dynamics, and the distribution of benefits and burdens.
This session seeks interdisciplinary contributions that investigate the spatial dimensions of decarbonisation. Topics of interest include the geography of clean energy production, sector coupling, low-carbon transport systems, hard-to-abate industries, emerging technologies, and the social, environmental, and economic implications for different regions.

SUBMIT ABSTRACT