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Energy Security in the Net Zero Transition: Perspectives from Whole Energy System Analysis

Guest Editors:

Dr. Francesco Gracceva

ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development), Rome, Italy

Dr. Peter Zeniewski

Chancellor's Fellow, University of Edinburgh, Edinburgh, UK

Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

The purpose of this special issue is to explore new and emerging energy security challenges arising in deep decarbonization pathways, i.e. pathways targeting net-zero emissions by around mid-century. This involves taking a more expansive view of energy security, which accounts for interactions between different parts of complex energy systems. Submissions are encouraged which consider the effects on energy security of the radical transformation of energy systems implied by net-zero emissions, exploring both synergies and trade-offs over the time horizon to 2050.

The practical aim of the special issue is to present a coherent body of empirical findings that can inform policy. Therefore, country- or regional- case studies or comparisons, as well as review articles, are especially welcomed. We encourage authors to send proposals for papers that could address one or more of the following topics:

Synergies and trade-offs between decarbonization and energy security

Exploring different decarbonization pathways and scenarios

Methods



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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