

Special Issue

Value Sharing within Renewable Energy Communities

Message from the Guest Editors

This Special Issue focuses on the topic of value sharing within a Renewable Energy Community. With the term “value”, we refer to a broad spectrum of benefits from a perspective of different stakeholders: citizens (energy saving, cost reduction, automation, etc.), countries (primary energy demand, net-zero transition, energy sources, energy autarchy, mineral resources, etc.), energy grid (energy quality and reliability, grid efficiency, energy loss, grid expansion, etc.), and service companies (REC management, hardware and software control devices, etc.). In this Special Issue, we encourage contribution to bi-level trading with the market and among REC members; distributing revenues and sharing algorithms among REC members; optimal design of REC energy system technologies to reduce energy cost, energy security and reliability; planning of RECs for achieving net-zero energy transition target at national or local level, or in isolated and rural areas; optimization of REC operation using flexibility provided by load shift, demand-side management, demand response and storage systems; adoption of REC policies in different countries; business models for RECs.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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