

Special Issue

Innovative Land Planning to Facilitate the Renewable Energy Transition

Message from the Guest Editors

The world needs at least a nine-fold increase in renewable energy production to meet the Paris Agreement climate goals and much more to achieve net zero emissions by 2050. The rapid transition to renewable energy will be good for people and the planet. However, the land-use footprint for this buildout will be large because renewable energy infrastructure requires a lot of land—especially onshore wind and large-scale solar installations. This raises the potential for land-use conflicts over renewable energy. There are also social, policy and financing barriers that will need to be addressed as well. A major obstacle for aligning renewable energy deployment with emissions targets is managing the necessary land acquisition and potential environmental and social impacts given the large land requirements needed for siting renewable projects. We need to ensure the renewable energy transition is grounded in proactive science-based land use planning and effective regulations as well as innovative financial incentives that will guarantee that renewable energy is deployed in ways that support goals for climate, nature, and people.

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Message from the Editor-in-Chief

Land is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend *Land* for your best research publications for a fast dissemination of your research.

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