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Socio-Economic Impacts of Carbon Sequestration on Livelihoods and Future Climate

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Message from the Guest Editors

Dear colleagues,

In the modern era, carbon sequestration represents a long-lasting solution for the mitigation and management of CO₂ emissions. However, claims of net carbon reduction and its impact on socioeconomic development are, as yet, unverified and comprise hotspots for present research. Socioeconomic factors, such as population, economic growth, demography, land use changes, lifestyle changes, and environmental policies, are the key driving forces underlying medium- to long-term greenhouse gas (GHG) emissions. These influencing factors pose a challenge with regard to their mitigation and imply further costs toward meeting a stringent climate goal like the 1.5 °C climate target.

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