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Sustaining the low-carbon emission development in Asia and beyond: Sustainable energy, water, transportation and low-carbon emission technology

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Abstract

Climate change is global issues with significant economic, social and environmental implications. Climate change mitigation in Asia has large impacts on global CO₂ emission reduction. CO₂ emission is the largest source of greenhouse gas emission constitutes about 65 % of the total emission. Low-carbon Society initiative is one of the various mechanisms that have been deployed to achieve green economic growth, societal well-being and development, environmental preservation and management in a holistic manner. Energy efficiency improvement in Asia will be a key factor to tackle the climate change issues. Water and energy conservation, green transportation and low emission technology are the key aspects to catalyse the shift towards climate-resilient economic growth. The latest developments in these aspects are reviewed in this special volume to sustain the development of low-carbon emission in Asian countries. The use of holistic management system to integrate these key areas for long-term sustainability goal is also highlighted.

Keywords: Low-carbon emission, Asia, renewable energy, water conservation, green transportation

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