

Low-carbon Energy Security from a European Perspective

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Low-carbon Energy Security from a European Perspective draws on the European Commission's funded project, MILESECURE-2050. It considers low-carbon energy security and energy geopolitics in Europe, with a focus on four overarching thematic clusters:

- Challenging the energy security paradigm
- Climate change and energy security objectives (the components of a secure and low-carbon energy system)
- Energy security in a geopolitical perspective as it relates to economics, resource competition and availability
- The influence of large-scale renewable energy projects on energy security and the shift in geopolitical alliances

An overarching narrative is that optimising the energy system simultaneously across different objectives may be impossible (ie, lowest cost, least environmental impact, minimal downtime, regional supply).

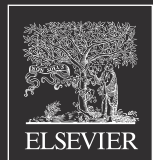
This book explores these charged topics through insights from a series of novel, new energy project case studies and demonstrates the need for difficult political conversations, within Europe and beyond, by posing fundamental yet new questions about the energy security paradigm.

Key Features:

- Offers a unique perspective on low-carbon energy security by considering the assumptions behind current energy security needs.
- Suggests the benefit of envisioning energy security through out-of-the-box scenario development with respect to the energy system.
- Includes energy in an international scenario with case studies from Africa, Russia, Ukraine, Morocco, China, South America and Europe.

Related Titles:

Bazilian & Roques / *Analytical Methods for Energy Diversity and Security* / 9780080568874
IEA, de Vos, Sawin / *READY: Renewable Energy Action on Deployment* / 9780124055193
Sioshansi / *Energy Efficiency – Towards the end of Demand Growth* / 9780123978790



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