



2015, XIV, 426 p. 149 illus.

### Printed book

Hardcover

139,99 € | £119.99 | \$169.99

<sup>[1]</sup>149,79 € (D) | 153,99 € (A) | CHF 165,50

Softcover

112,14 € | £99.99 | \$149.99

<sup>[1]</sup>119,99 € (D) | 123,35 € (A) | CHF 132,50

### eBook

93,08 € | £79.50 | \$109.00

<sup>[2]</sup>93,08 € (D) | 93,08 € (A) | CHF 106,00

Available from your library or  
[springer.com/shop](http://springer.com/shop)

### MyCopy <sup>[3]</sup>

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

G. Giannakidis, M. Labriet, B. Ó Gallachóir, G. Tosato (Eds.)

# Informing Energy and Climate Policies Using Energy Systems Models

Insights from Scenario Analysis Increasing the Evidence Base

Series: Lecture Notes in Energy

- Uses methodologies and case studies to demonstrate how energy systems models are used to support energy and climate mitigation policy decision-making at the national, multi-country and global level
- Provides a critical analysis of the rich and varied applications of energy systems models, their underlying methodologies and the policy questions they can address
- Includes diverse global case studies, maximizing reader insights into the role of technology in energy systems models and in providing a basis of evidence for policy decision-making

This book highlights how energy-system models are used to underpin and support energy and climate mitigation policy decisions at national, multi-country and global levels. It brings together, for the first time in one volume, a range of methodological approaches and case studies of good modeling practice on a national and international scale from the IEA-ETSAP energy technology initiative. It provides insights for the reader into the rich and varied applications of energy-system models and the underlying methodologies and policy questions they can address. The book demonstrates how these models are used to answer complex policy questions, including those relating to energy security, climate change mitigation and the optimal allocation of energy resources. It will appeal to energy engineers and technology specialists looking for a rationale for innovation in the field of energy technologies and insights into their evolving costs and benefits. Energy economists will gain an understanding of the key future role of energy technologies and policy makers will learn how energy-system modeling teams can provide unique perspectives on national energy and environment challenges.

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

