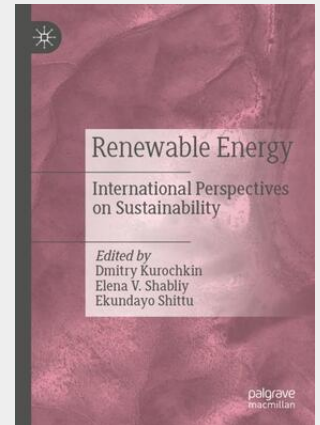


Renewable Energy

International Perspectives on Sustainability

This book bringing together leading researchers in the field of renewable energy to discuss sustainability on a broad scale and to examine the status quo of renewable energy industry development in a global context. The volume starts with the European Union, then reviews current trends in the United States as well as the Middle East, Central Asia, and Latin America. It moves on to analyze the German transition to one hundred percent renewable energy economy and energy systems (Energiewende) with a climate protection plan and sustainable economic development; and continues on to examine the determinants of the adoption of sustainable solutions in Finland and discuss the renewable energy agenda in the European Union with the 17 Sustainable Development Goals at its core. Climate change has become one of the main global drivers for policy and this book discusses both it's over all global development as well as spotlighting localized progress across multiple continents. Over one hundred and fifty countries have developing sustainable energy policies, tax incentives, and laws. China remains the leader in renewable energy generation; and countries including the United States, the UK, India, Spain, and Turkey, compete in the Renewable Energy Sector to attract investments. In 2018, global investments in renewables exceeded \$200 billion. The state of Bahia in Brazil has been experiencing a surge in wind energy production; and public policy has had a positive effect on that expansion. Kazakhstan is a country with great renewable energy prospects, particularly in wind, hydropower plants, and solar energy. This book is a comprehensive overview and invaluable reference for all those in the renewable energy sector.

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