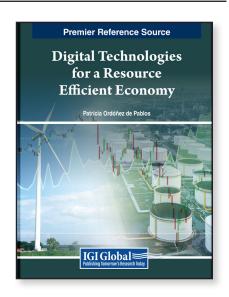# Digital Technologies for a Resource Efficient Economy

Part of the Advances in Finance, Accounting, and Economics Book Series

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Description:

In an era marked by escalating environmental concerns and the imperative for sustainable development, a pressing challenge looms large: the urgent need for transitioning towards circular and climate-neutral economies. As industries grapple with the complexities of achieving these critical milestones, **Digital Technologies for a Resource Efficient Economy** explores innovative conceptual frameworks, case studies, and empirical studies, seeking to unravel the relationship between clean technologies, digital innovation, and knowledge management. Positioned at the intersection of academia and real-world solutions, its insightful exploration engages academic scholars, researchers, industry players, policymakers, and stakeholders in a dynamic discourse on the challenges, opportunities, and trends shaping the path towards a net-zero world in Asia and beyond.

Transitioning from this critical issue to the solution-oriented focus of the book, **Digital Technologies for a Resource Efficient Economy** offers a transformative intellectual journey. The subsequent exploration within the book illuminates how advanced digital tools, clean technologies, and knowledge management can act as catalysts for sustainable development goals (SDGs) achievement by 2030. As the chapters delve into regional and sectoral applications, ranging from water management to tourism, the book provides a comprehensive framework for understanding the intricate dynamics at play. It becomes a guide for fostering inclusive and climate-neutral economies, aligning seamlessly with the European Commission's Horizon Europe Work Program 2023-2024, which champions climate transition and digital transformation. This book stands poised to bridge the gap between academia and actionable solutions, offering a roadmap for a greener and more sustainable future.

Targeting a diverse audience that includes professors, policymakers, corporate leaders, and students, Digital Technologies for a Resource Efficient Economy becomes a cornerstone in the exploration of artificial intelligence, circular economy, clean energy, and other pivotal topics. By combining academic rigor with practical applications, the book becomes an indispensable resource for navigating the complexities of building resilient, inclusive, and green societies. With its recommended topics spanning a global spectrum, encompassing regions from Asia to the EU, USA, Latin America, Africa, and the Gulf Region, the book takes on a truly comprehensive approach. Seamlessly weaving together the intricacies of technology, innovation, and sustainable development, this book positions itself as a crucial guide for anyone invested in shaping a future where economies thrive in harmony with the environment.

ISBN: 9798369327500   **Pages:** 320   **Copyright:** 2024   **Release Date:** July, 2024

Hardcover: $325.00   **E-Book:** $325.00   **Hardcover + E-Book:** $390.00

Topics Covered:

- Artificial intelligence
- Biodiversity
- Climate neutral economies
- Climate policies and strategies
- Data economy
- Decarbonization
- Digital economy
- Energy transition
- Environmental management
- Green economy
- Green growth

Subject: Business & Management

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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