

Global Environmental Governance of the Energy Internet

The evolving landscape of environmental, climate, and energy policy is marked by both pressing global challenges as well as opportunities for transformative action. Here, we discuss ...

We look at the energy and climate impacts of existing and proposed datacenters, and examines management and s practices. We analyze a series of 40 solutions for eco-friendly design ...

The accelerating degradation of the global environment, primarily driven by dependence on fossil fuels, has intensified the urgency for energy transitions toward renewable sources.

By combining renewable energy, digital technologies, and advanced materials, supported by appropriate infrastructure, the world can modernize the energy system and reduce the flow and the waste of ...

By synthesizing insights from academia, industry practices, and policy frameworks, this article presents a holistic roadmap for achieving energy sustainability.

This guidance note presents a strategic framework for understanding and strengthening energy governance and is designed to contribute to global, regional, national, and local efforts towards more ...

This Topic invites cutting-edge research on theoretical advancements, empirical case studies, and technological innovations to propel the Energy Internet toward scalability and ...

Urban Climate change Biodiversity Natural resource management Food and agriculture Sustainable markets Policy and planning Forests Governance Communication Economics Poverty Monitoring, ...

Viewing the digital transformation of the energy system through a governance lens is essential to navigate the emerging opportunities and challenges of an increasingly distributed energy market.

This report explores the interconnectedness of rapid digitalization and the urgent need to foster environmental sustainability against a backdrop of growing inequality and vulnerabilities, such as ...

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