

Should solar PV supply chain services be included in the IRENA report?

This IRENA report takes stock of the key quality infrastructure (technical) and ESG services that should be considered by solar PV stakeholders to bolster supply chain activities, as well as make them more inclusive. Download Annex data here.

How can countries improve their solar PV supply chain resiliency?

One way in which countries can enhance their solar PV supply chain resiliency, and facilitate greater market access, is through participation and conformance to the international quality infrastructure ecosystem for this technology.

Can Europe regain a missed opportunity with a solar PV supply chain?

Building up the solar PV supply chain can also be seen as a chance for Europe to regain a missed opportunity: the initial wave of solar PV adoption was led by European demand and, for a time, Germany's manufacturing was a competitive supplier 4.

What are conversion factors in solar PV supply chain?

Conversion factors between segments in PV supply chain, stocks of modules, lead time for manufacturing investment by region and product, and job creation of the manufacturing by product are collected from the Special Report for Solar PV Global Supply Chain from IEA 4.

Should PV supply chains be localized and maintained?

Overall, localizing and maintaining PV supply chains will depend not only on investment, but also on rapidly expanding the available workforce. Global supply chains also feature strong environmental and social trade-offs.

Should solar PV supply chains become more diversified and resilient?

Hence, from a sustainability perspective, it is critical that these supply chains become more diversified and resilient. Emerging markets and developing economies (such as India and Southeast Asian countries) are beginning to increase their engagement in solar PV supply chain activities.

Abstract The deteriorating environmental problems worldwide pose a serious challenge to human society and ecosystems, especially for enterprises that rely on natural resources. ...

Furthermore, ESG investment acts as a mediating factor between the new Environmental Protection Law policy and the outcomes of corporate innovation, with this mediating ...

Overall, the study offers an understanding of the intricate relationships between environmental policies,

business interests, consumer habits, and competing container materials, with aluminum as the winner.

Low-carbon city policies (LCCP) are crucial environmental regulatory frameworks driving China's transition toward a low-carbon economy. This study investigated the impact of LCCP on ...

Heterogeneity analysis reveals that environmental regulation has a facilitating effect on the high-quality development of enterprises for non-state-owned enterprises, and enterprises within ...

Here, we apply a supply chain optimization model to perform scenario analysis of the PV supply chain development through 2021-2030 considering various European economic and job ...

Using the difference-in-difference method, the analysis reveals that energy transition policies positively affect enterprise TFP, especially in non-resource-based cities, less polluting ...

Need to crack BESS Container Compliance with European Energy Policies? This guide demystifies the EU's Green Deal, RED II, and country-specific rules (Germany's Energiewende, France's local ...

Treating the implementation of the new environmental protection law (NEPL) as a quasi-natural experiment, this essay employed the difference-in-differences model to explore its ...

Additionally, this paper examines the impact of AI adoption and public environmental concern on the green innovation transformation of these enterprises. The study finds that the ...

The conclusion is that the importance of eco-environmental protection in business management will become increasingly prominent, and enterprises should actively respond to ...

However, after a few decades of development, the zones seeking to maintain a balance between environmental protection and economic competitiveness have turned out to be the most ...

However, pursuing highly isolationist policies can introduce cost-significant inefficiencies. Our results highlight that an open trade policy is key to minimizing costs, even when considering security and ...

The green transformation of heavy-polluting enterprises under the carbon peaking and carbon neutrality goals needs the escort of command environmental regulation. This paper takes the first round of ...

In the information era, effective environmental protection cannot be achieved without public concern. In this paper, public environmental concern (PEC) is subdivided into public concern ...

By integrating digital technologies with environmental protection concepts, ports gradually transform into smart ports, promoting green ...

Both digital transformation and environmental innovation offer multiple opportunities to address global challenges such as climate change, resource depletion, and social inequality. This ...

The Chinese government attaches great importance to ecological and environmental protection and has made environmental protection a basic state policy. The green transformation is ...

Results indicate that environmental policy uncertainty has a significant negative impact on the green innovation and total factor productivity of the Chinese enterprises, which can lead to a ...

The Belt and Road initiative (BRI) has created a peaceful and stable surrounding environment for green transformation of enterprises. The data from Ch...

Using a sample of listed manufacturing enterprises in China, this paper empirically tests the impact of digital transformation on enterprise green innovation.

Policy effects on firm productivity vary, often impacted by compliance costs, information asymmetry, rent-seeking, and free-rider issues (Mälner, 2013). The government frequently overlooks ...

Globally, the concept of carbon neutrality is gaining traction, and the impact of environmental policy on business has been thoroughly studied. Although research on the impact of ...

Effective environmental regulation and promotion of green governance and innovation transformation of enterprises helps reconcile high-quality economic development with ecological ...

The deteriorating environmental problems worldwide pose a serious challenge to human society and ecosystems, especially for enterprises that rely on natural resources. This article ...

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