

How to boost competitiveness through energy.



the EU's total greenhouse gas (GHG) emissions. With the EU committed to achieving Net Zero GHG emissions by 2050, electrification presents a significant opportunity to reduce emissions and decrease reliance on imported fuels.

To identify shared solutions for decarbonizing Europe while enhancing industrial

competitiveness, Enel Foundation, in collaboration with Compass Lexecon and

European Roundtable on Climate Change and Sustainable Transition (ERCST),

conducted a study titled "Reviving Europe's Industrial Power: how to boost

In 2021 manufacturing industries still dependent on fossil fuels contributed to 27% of

The findings are grounded in a rigorous approach, including: an analysis of the technical and economic potential of direct and indirect electrification; the identification of non-economic barriers to industrial decarbonization and support mechanisms for electrification. Finally, a broad range of stakeholders have been engaged through an open, innovative, and participatory process; feedback was collected during consultations and two dedicated workshops with representatives

Building on these insights, the study eventually outlines **policy recommendations** aimed at fostering industrial transformation.

Discover more.

from key EU industries.

competitiveness through energy".

either accelerate or hinder climate action.

The spillover effects of industrial decarbonization policies can



Environment-Law Society co-hosted an official side event. The event showcased the presentation of "Good Spillover, Bad Spillover? Industrial Policy, Trade, and the Political Economy of Decarbonization", a new research paper by Michael Mehling, Deputy Director of MIT's Center for Energy and Environmental Policy Research.

Key findings from the study suggest how reframing climate policies can maximize the positive spillovers and mitigate the negative ones. Specifically, policies that distribute decarbonization costs across society tend to generate positive spillover effects while

Change Conference (COP29), Enel Foundation, the Harvard Project on Climate

Agreements, the Massachusetts Institute of Technology (MIT), and the Foundation

those that place direct private costs on emissions, like carbon pricing, often lead to negative spillovers and face strong political resistance, empowering opponents of climate action. Furthermore, the paper argues that international cooperation is essential to foster positive cross-border spillover effects, which are critical for global decarbonization.

Discover more.

Energy security, independence, and cost-effectiveness are closely tied to global trade and geopolitical balances.



The availability of resources and the ability to turn them into usable materials will be pivotal. Innovation will play a key role as a driver of cost reduction, efficiency, and decrease of materials, products, or processes that pose environmental, economic, or dependency-related risks.

All these factors suggest that the energy transition could reshape international

The energy transition reshapes key global dynamics, generating winners and losers,

transition will be shaped by both international and domestic impacts, such as effects

which can either accelerate or slow down the process. States' positions on the

on competitiveness or industrial production.

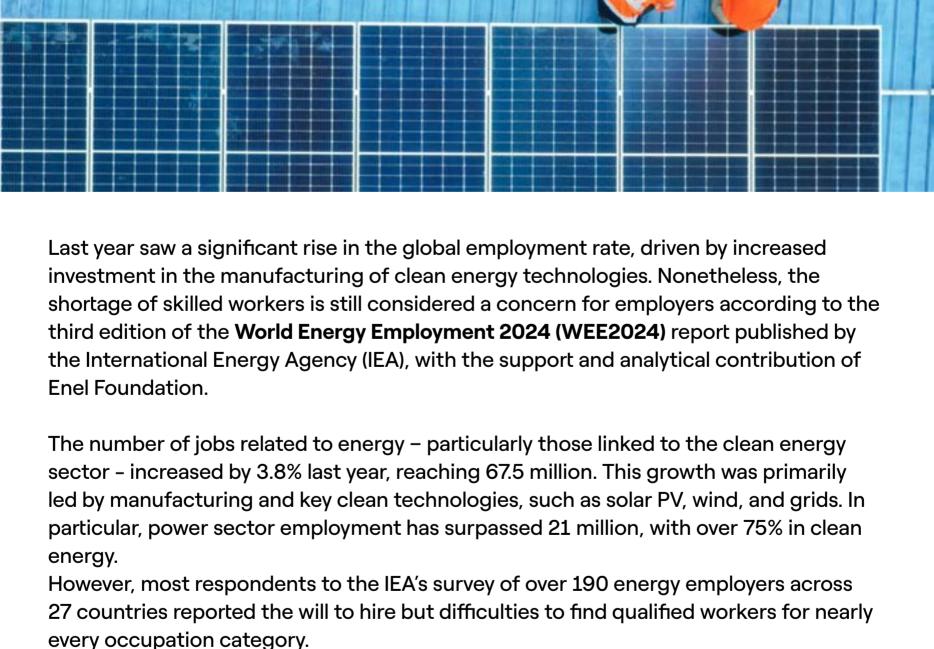
alliances and interdependencies as we know them.

Discover more.

Outlooks.

The energy sector added 2.5M jobs last year though skills shortage is still a problem.

THE THESE SECTIONS OF THE SECTION OF



Discover more.

Demographic trends will significantly influence families'

Governments, the private sector, and educational and training institutions must work

energy future" declared Laura Cozzi, IEA's Director of Sustainability, Technology and

Understanding the evolving workforce dynamics, as well as the role of innovation,

digitalization, and AI in shaping new, non-linear career paths, were central topics

together to improve the hiring pipeline, which will play an important role in shaping our

"This report shows that greater investment in skills and training is critical.

during the launch event of the WEE2024 report.

energy consumption.

Demographic trends will significantly influence families' energy consumption, a topic explored in a paper developed by Enel Foundation and LUISS. An aging population, an increase in the number of people—mainly elderly—living alone (one in five, 20 years from now), the rise of single-parent families, the growing need for cooling, and the generally low energy performance of buildings all suggest that households most in need of energy efficiency measures are often those least able to invest in them. Therefore, achieving a more efficient and competitive energy system will require differentiated strategies and policies considering age, regional differences and demographic trends.

Discover more.

Enel Foundation keeps your personal data such as name, e-mail address, job title and phone number, because you made this information

public for specific activities or institutional reasons, or you shared such data when communicating with us. We process this personal data with the sole purpose to make you aware about Enel Foundation initiatives, to send you newsletters and other documents, and keep our contact list updated. We believe these activities can be of interest for you and that we have a legitimate interest in communicating with you. In case you don't want to receive further email or communication from us, or you want to exercise your rights according EU regulation 679/2016, you can use the button below or send an email to info@enelfoundation.org. Additional information and details on how we process your data and your rights are available on the privacy notice of Enel Foundation available on our website

This message was sent by Fondazione Centro Studi Enel, CF: 97693340586.

https://www.enelfoundation.org/privacy-policy



Click to unsubscribe

