

## Energy Newsletter



**Bimonthly news on GIZ's work on energy and climate protection**  
A service by GIZ Energy

**Dear readers,**

As we navigate through 2024, we have already witnessed countries around the globe enduring extreme weather events. From ferocious wildfires to devastating floods and scorching heatwaves, the impact of climate change is evident everywhere. Each month brings new records, with the World Meteorological Organization (WMO) reporting unprecedented levels of greenhouse gases, surface temperatures, ocean heat and acidification, sea level rise, and the retreat of Antarctic Sea ice and glaciers. Nearly a decade since the Paris Agreement, the goal of limiting long-term global warming to 1.5 degrees Celsius is hanging by a thread. At our current pace, we will exhaust the remaining carbon budget to stay within these limits by around 2030, meaning the critical battle for 1.5 degrees will be won or lost now, in the 2020s.

The challenges are significant, but they can be overcome. According to the 2024 World Energy Investment report by the International Energy Agency (IEA), Europe has made remarkable strides in renewable energy. Wind and solar capacity in the EU increased by 65% between 2019 and 2023, with over half of the 27 EU member states at least doubling their capacities in this period. Globally, investment in solar PV now surpasses all other generation technologies combined. However, significant imbalances remain. Emerging markets and developing economies, excluding China,

account for only about 15% of global clean energy spending. These countries face real or perceived risks that hinder new projects and limit access to financing. Additionally, distortions in the global energy system, such as fossil fuel subsidies, favour traditional fuels and complicate investments in clean energy transitions. In 2023, governments worldwide spent approximately \$620 billion subsidizing fossil fuels, compared to only \$70 billion on consumer-facing clean energy investments.

All these developments underscore the increasing relevance of our work. To inspire and motivate you, we present a series of successes and impactful projects in this newsletter.

We wish you an engaging and insightful read!

**André Eckermann**

**Head of Competence Centre Energy and Transport**

**Mike Enskat**

**Head of Infrastructure – Energy, Water, Mobility**

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**01 July to 03 July 2024**

Global Energy Transition (GET) Congress & Exhibition

Milan, Italy

**20 July to 27 July 2024**

Energy Community Summer School 2024

Chisinau, Moldova

**31 August to 13 September 2024**

Bonner Energietage

Bonn, Germany

**09 September to 11 September 2024**

5th International Forum on Long-Term Energy Scenarios

Bonn, Germany

**12 September to 13 September 2024**

Handelsblatt annual conference on industry decarbonisation

Düsseldorf, Germany

**17 September 2024**

Global Landscape Forum AFRICA 2024: GREENING THE AFRICAN HORIZON (Hybrid Event)

Nairobi, Kenya

**07 October to 08 October 2024**

Hamburg Sustainability Conference

Hamburg, Germany

**11 November to 22 November 2024**

UN Climate Change Conference (UNFCCC COP 29)

Baku, Azerbaijan



••• AFRICA •••

## The Energy Efficiency Tool

Calculate your emission and cost savings

# green cooling initiative



[Home](#) > The Energy Efficiency Tool

Comparison between an average refrigerator and the top-market unit in Burkina Faso. Screenshot of the energy efficiency tool © GIZ

Did you know that you can save a lot of money by choosing a more efficient refrigerator or air conditioner? Use this tool to estimate and compare the running costs, the energy consumption and the emissions of domestic refrigerators or air conditioners.

Specific data is currently available for Burkina Faso, Mali, and Senegal. Emissions and cost savings in other countries might differ due to different energy sources and prices. The comparison of two appliances can be helpful anyway.

**Contact persons** [Nils Hansen](#), [Mairin Herm](#) and [Kerstin Kreß](#)

## Project description

'Ozone and Climate Friendly Cooling in West and Central Africa' ('ROCA' for its French name) is co-financed by the European Union and the German Federal Ministry for Economic Cooperation and Development (BMZ). Countries: Burkina Faso, Cameroon, Mali, Senegal.

» [Ozone and Climate Friendly Cooling in West and Central Africa \(ROCA\)](#)

## Further information

» [Green Cooling Initiative - Calculate savings now!](#)



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## Fuelling Prosperity: The Benefits of Biodigesters for Kenyan Homes and Farmers

Kenya



Peris is enjoying the benefits of her biogas plant by using biogas to cook for the whole family © GIZ - Victor Thurania

In the heart of Kenya lives Peris Wanjiku whose quality of life have seen a major transformation since installing a biodigester.

Peris is one of the 3,000 biodigester end-users in Kenya supported by the African Biodigester Component implemented by GIZ. She faced challenges meeting her cooking and farming needs because of her reliance on woodfuel for cooking. Several times a week, she would need to climb the sloppy hills in search of firewood. Once, she even broke her leg. Unfortunately, this is the story of many Kenyan women relying on woodfuel for cooking.



African Biodigester Component - ABC (rvo.nl) © GIZ - Victor Thurania

Her life was transformed after learning about the biodigester technology during a chama meeting. “As an owner of three cows and a farmer, everything the biodigester had to offer was exactly what I needed to meet my cooking and farming needs. I took a loan from our chama’s table banking that very day and planned with the biogas company to install it for me in a week’s time. We also agreed that I would spread my payments over 12 months, to ease the upfront cost,” said Peris.

She has become a biogas champion in her village, urging farmers to invest in biodigesters, as they have minimal maintenance costs and invaluable benefits.

**Contact person** [Florent Eveille](#)

### **Project description**

The African Biodigester Component (ABC) is a five-year programme that helps to develop and strengthen demand, supply and the enabling environment to create sustainable biodigester markets in five African countries: Burkina Faso, Kenya, Mali, Niger and Uganda. ABC aims to facilitate the construction and installation of 50,000 small-scale biodigesters by the end of 2025. This will result in energy access for at least 250,000 people and the reduction of yearly CO2 equivalent emissions by over 180,000 tonnes.

» [Strengthening the Entrepreneurial Ecosystem for Clean Cooking \(SEE-CC\) - EnDev African Biodigester Component - ABC \(rvo.nl\)](#)





# Driving Growth: Effective Renewable Energy Tendering in Africa

Joint report by GET.transform, Power Futures Lab and SRMI explores success factors for private power investment and procurement



Auctions have proven successful in procuring Independent Power Producers (IPPs) © GIZ/Glenn McCreath

A new report highlights renewable energy auctions as a powerful tool in accelerating renewables deployment, fostering competition and project realisation rates in Africa.



Driving Growth: Effective Renewable Energy Tendering in Africa © GIZ/Glenn McCreath

The report aims to support the increase of Independent Power Producers (IPPs) and was jointly prepared by the University of Cape Town's Power Futures Lab, GET.transform and the Sustainable Renewables Risk Mitigation Initiative (SRMI) of the World Bank's ESMAP programme. It was reviewed by practitioners from development banks and regulatory bodies and analyses success factors and auction design best practices for policy-makers and industry players.

The report has also informed the design of a new support window under GET.transform's Policy Catalyst. In collaboration with SRMI and the Power Futures Lab, the report and initiative will enhance IPP procurement capabilities in Sub-Saharan Africa.

**Contact person** [Stephanie Betz](#)

## Project description

GET.transform is a technical assistance programme supporting national and regional partners in advancing their energy transitions. GET.transform is part of the European multi-donor platform Global Energy Transformation Programme (GET.pro), and supported by the European Union, Germany, Norway, Sweden, the Netherlands and Austria.

## Further information

- » [Global Energy Transformation Programme](#) » [GET.pro \(global-energy-transformation.eu\)](#)
- » [GET.transform – Transforming Energy Sectors Globally \(get-transform.eu\)](#)
- » [Sustainable Renewables Risk Mitigation Initiative \(SRMI\)](#)
- » [University of Cape Town's Power Futures Lab](#)



## Advancing South Africa's Energy Transition

The market code as pillar of the new electricity supply industry



Market code launch presentation © GIZ/Ignus Gerber

South Africa is reforming its power sector to address insufficient generation capacity, unreliable coal plants, rising energy prices, and leverage clean energy. This involves restructuring South Africa's national electricity utility, Eskom, into separate entities for generation, transmission, and distribution, promoting decentralisation and competitive markets.



The South African Wholesale Market Code  
© GIZ/Ignus Gerber

The South African market code sets transparent trading rules, fostering a decentralised and decarbonised energy sector. This comes in the wake of a wave of proposed legislative and regulatory changes, including the Electricity Regulation Act Amendment Bill, which aims to create an open market platform for electricity trading, introduce a transmission system operator, and strengthen the role of the National Energy Regulator of South Africa (NERSA).

The Minister for Mineral Resources and Energy, Gwede Mantashe, says the bill will "radically transform the structure of the electricity sector [...]" for the better – impacting every stakeholder in the power sector. Workshops for the reform process are open for virtual participation. The South African-German Energy Programme (SAGEN) supports its partners in navigating these reforms.

**Contact person** [Ansuya Rungasamy](#)

### Project description

- » [A clean and diverse energy mix for South Africa](#)
- » [Sister Project - Facilitating South Africa's energy transition through capability enhancement](#)

## Further information

» [Embedded Generation Portal](#)

» [Municipal Energy Management Systems Resource Portal](#)



## More excitement is needed around energy efficiency in Africa

Energy efficiency is the number one solution to addressing climate change and decarbonisation



The Africa-EU Energy Partnership Spotlight summarises the current energy efficiency landscape in Africa © Africa-EU Energy Partnership (AEEP)

Energy efficiency can ensure Africa meets the continent's rising energy demand and simultaneously addresses climate change and decarbonisation.

The 14th AEEP Energy Talks on 08 May 2024 on “Empowering Africa: Accelerating Energy Efficiency for Sustainable Development”, brought together experts from the African Energy Commission (AFREC), the Regional Centre for Renewable Energy and Energy Efficiency (RCREEE), United for Efficiency (U4E), and the French Ministry of Ecological Transition to discuss the current state of energy efficiency in Africa and how Africa-Europe collaboration can increase public enthusiasm for the topic.

The AEEP Energy Talks Spotlight summarises key outcomes of the discussion and underlines the urgent need to tackle the current lack of policy and institutional direction on energy efficiency in Africa. Encouraging action by policymakers and decision-makers to allocate sufficient resources is also highlighted as a prerequisite to increased accessibility and visibility of energy efficiency.

**Contact person** [Nina Simberg-Koulumies](#)



### Project description

The Africa-EU Energy Partnership (AEEP) is Africa and Europe's gateway for joint action on a green energy future. The AEEP maps, monitors and convenes the actions and stakeholders that drive the African and European energy transformation.

» [AEEP Website](#)

### Further information

Link to publication » [AEEP Energy Talks Spotlight – Empowering Africa: Energy Efficiency for Sustainable Development - Africa-EU Energy Partnership \(africa-eu-energy-partnership.org\)](#)

Next Energy Talks » [AEEP Energy Talks: Fuelling Partnerships: Investing in Clean Cooking for Health, Equality, and Climate in Africa - Africa-EU Energy Partnership \(africa-eu-energy-partnership.org\)](#)



## Guide on Climate Finance Opportunities with focus on clean cooking

Exploring Climate Finance Opportunities for Clean Cooking Sector: Lessons learned from collaboration of GIZ with Climate Funds



Improved Cookstoves produced by Naomi Ngotho in her ICS workshop in Murang'a county, Kenya © EnDev/GCF

Why is clean and affordable cooking a challenge for this decade? According to the International Energy Agency (IEA) 'The world is falling behind on its goal to deliver affordable, reliable, sustainable, and modern energy for all. One area in particular — clean cooking — has seen a concerning lack of progress, with nearly four in five African people still cooking their meals over open fires and traditional stoves using polluting fuels.



While the topic is gaining momentum and has seen multiple pledges from countries and organisations, the means of finance is still lacking. To reach the targets, climate finance is crucial. Hence, the Sector Network Energy for Sub-Saharan Africa (SNSSA) explored the opportunities and suitability of various climate funds, specifically for the

For this, a practical guide was developed outlining different existing climate finance instruments and their access modalities. Further, previous GIZ experience in accessing the funds and lessons learned from projects were included.

**Contact persons** [Nishchay Mehrotra](#) and [Sarah Thomas-Parensen](#)

### Project description

Sector Network Energy for Sub-Saharan Africa (SNSSA)

The primary goal for us as a Sector Network is to promote knowledge exchange amongst GIZ energy projects in Sub-Sahara Africa. We strive to offer a variety of collaboration and learning formats that meet the needs of our member projects. To be able to do so, we depend on the contribution of and feedback from our members.

### Further information InternIDA

- » [Sector Network Energy in Sub-Sahara Africa \(sharepoint.com\)](#)
- » [Guide: Climate Finance for Clean Cooking](#)
- » [SNESSA\\_Recording Webinar Climate Finance Guide\\_EN\\_2024.mp4](#)



## Productive Use of Renewable Energy to spur economic growth in Malawi

Countrywide awareness campaign for widespread adoption on the cards



EU Launch © GIZ-EnDev MW

The new European Union co - funded Putting Energy to Work component, under GIZ Energising Development Programme (EnDev) in Malawi is poised to facilitate access to productive use of renewable energy to women, youth and people with disabilities. 10 companies trading Productive Use of Energy (PUE) technologies and 550 Micro Small and Medium Enterprises have also been targeted. Only 25 % of Malawians have access to electricity and standalone PUE technologies will play a pivotal role in reaching Malawi's electrification targets by 2030.





© GIZ-EnDev MW

At its launch in April this year, Malawi's Energy Minister Ibrahim Matola stated that "the launched Results Based Financing facility collaborates closely with small and medium enterprises, enhancing their capacity and driving the adoption of PUE technologies."

In addition, an awareness raising campaign will be rolled out to stimulate demand for PUE technologies and is flanked by activities improving the enabling environment for the PUE market.

**Contact persons** [Mathews Malata](#) and [Sharon Ulaya](#)

### **Project description**

EnDev Malawi is implementing a component that is aimed at improving access to needs-based, climate-friendly technologies and services for productive use of energy (PUE) and, thereby, contribute to modernisation and industrialisation of the Malawian economy.

» [Malawi - EnDev](#)

### **Further information**

This component is being jointly co-financed by the European Union and the German Federal Ministry for Economic Cooperation and Development and implemented by GIZ, building on to the multi-donor initiative Energising Development (EnDev), financed by the Netherlands Ministry of Foreign Affairs, the Norwegian Ministry of Foreign Affairs (NORAD), the German Federal Ministry for Economic Cooperation and Development (BMZ), and the Swiss Agency for Development and Cooperation (SDC).



## Upscaling rural electrification in Madagascar via the Integrated Distribution Framework (IDF)

Promoting universal access to affordable electricity via least-cost renewable energy planning



Bongolava © GIZ

The project "Promotion de l'Electrification Rurale par les Energies Renouvelables (PERER)", via its action "Tosika Angovo (TANGO)" co-financed by the European Union, continues to support the planning of projects based on the Integrated Distribution Framework (IDF) to help Madagascar reach

an electrification rate of 70% by 2028.

After supporting the Antongil Bay IDF pilot project mentioned in a previous edition of this newsletter, PERER has started planning Jiro Taratra, a historic project in the rural electrification sector of Madagascar. This second IDF project will be deployed in the Bongolava region, Tsiroanomandidy district. With a total investment of 88 million euros over a period of 30 years, the project is expected to make more than 40,000 connections via the grid, mini-grids or nano-grids. These systems will be powered by a mix of 7.5 MW of hydroelectricity, solar and biomass, which will save 6,000 tonnes of CO2 per year. The project will also facilitate the distribution of 16,000 solar kits in the most remote areas of the project perimeter.

It is expected that TANGO supports the planning of 16 MW of renewable energies and 160,000 connections and mobilises 240 millions in public and private investments via 7 projects and a government tender based on the IDF approach until the end of 2025.

**Contact person** [Carlos Miro](#)

### Project description

» [Green electricity: driving Madagascar's development - giz.de](#)

» [L'électricité verte : un moteur du développement de Madagascar - giz.de](#)



## New GET.invest Market Insights package – opportunities for investment in urban and rural electric mobility in Nigeria

Nigeria | Sub-Saharan Africa

GET.invest is supported by

© OX Global

GET.invest Market Insights: Nigeria – Urban and Rural Electric Mobility © GET.invest / OX Global

Electric mobility has wide-ranging environmental, social and economic benefits, enabling countries to pursue a low-emission and climate-resilient development path. In Nigeria, e-mobility is still in its early stages, but many opportunities exist for the market to grow. Scaling up the adoption of electric vehicles will require significant investment across the value chain, troubled with challenges ranging from an unreliable electricity supply to poor road networks.



To help project developers and business owners understand Nigeria's e-mobility investment opportunities, GET.invest has recently launched a Market Insights package, consisting of a developer guide and two model business cases, to help leverage market research for sound investment.



GET.invest Market Insights Nigeria ©  
GET.invest / OX Global

The free toolkit examines the key market actors, the business models being deployed, the potential market size for e-mobility, the drivers behind market growth, potential financiers, and other opportunities and challenges that exist for the development of this sector in the country.

**Contact person** [Divya Balakrishnan](#)

### Project description

GET.invest is a European programme that mobilises investment in renewable energy, co-funded by the European Union, Germany, Norway, the Netherlands, Sweden and Austria. Since 2022, GET.invest serves as the Team Europe One Stop Shop to help companies and project developers navigate and access European support and financing instruments for green energy.

» [GET.invest](#)

### Further information

» [Market Insights - GET.invest \(get-invest.eu\)](#)

» [Market Information - GET.invest \(get-invest.eu\)](#)



## Tunisia's Ambitious Green Hydrogen Strategy Unveiled

Tunisia's Gateway to European Markets



The National Strategy for the development of Green Hydrogen and its derivatives summary © GIZ

In May 2024, Tunisia published its National Strategy for the development of Green Hydrogen and its derivatives. The strategy, led by the Ministry of Industry, Mines and Energy with the support of the GIZ through the project H2Vert.TUN, was developed through an inclusive and participatory approach. The process involved diverse stakeholders from both the public and private sectors, as well as civil society.



Ministère de l'Energie, des Mines et des  
Energies renouvelables : Actualités  
(energiemines.gov.tn)

Central to the strategy is the ambition to position Tunisia as a leading exporter of green hydrogen, connected to the EU's Hydrogen Backbone. The strategy aims to integrate local and export markets to drive development through green hydrogen: by 2050, Tunisia targets exporting 6.3 million tonnes of hydrogen and using 2 million tonnes locally. This ambitious plan is set to make Tunisia a significant player in the green hydrogen economy, leveraging its strategic location and resources to contribute to global sustainability efforts.

**Contact person** [Dorra Chida](#)

### Project description

Green Hydrogen for Sustainable development and Decarbonized Economy in Tunisia” (H2Vert.TUN) is a project commissioned by the German Federal Ministry for Economic Cooperation and Development BMZ implemented by GIZ with the Ministry of Industry, Mines and Energy.

» [Promoting a green hydrogen economy in Tunisia - giz.de](#)

» [National Strategy for the development of Green Hydrogen and its derivatives](#)



## Advancing Climate Financing at the Women in Climate Change (WiCC) Conference

Empowering women and youth to lead the charge for a sustainable future



Winners of the WiCC awards pose with dignitaries at the event © GIZ Uganda

In May, the 2024 Women in Climate Change Conference (WiCC) held in Kampala, Uganda, addressed the critical need for sustainable financing for women-led climate initiatives. This was under the theme “Advancing Climate Financing for Scaling Women and Youth-led Climate Innovations.” The event was organized by the Ministry of Water and Environment-Climate Change Department, GIZ Uganda, Global Green Growth Institute and Makerere University, with support from the German Government and the European Union.

Discussions focused on promoting climate financing,



Women in Climate Change Conference  
2024 © GIZ Uganda

leveraging technology for environmental sustainability and advocating for gender-responsive climate policies. Focus was also on providing technical assistance and training to women innovators in developing bankable project proposals and business models.

Top representatives from the Environment and Finance Ministries reaffirmed Uganda's commitment to green growth, highlighting the need to include women in climate policy formulation and negotiations.

This annual conference supports Uganda's mitigation targets by fostering innovative ideas and partnerships.

**Contact person** [Eve Mashoo](#)

### **Project description**

The Global Carbon Markets Project, Uganda and Eastern Africa supports the design and use of carbon markets for climate action in Eastern Africa.



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## Investing in Battery Energy Storage Systems

ECOWAS Region



Integrating Solar Power in to the West African Power Pool for enhanced grid stability © GIZ

In order to integrate the intermittent renewable energies into the West African power Pool (WAPP) interconnected network, it is necessary to guarantee the stability and flexibility of the network within the ECOWAS region.



To achieve this, battery storage technology has been identified to contribute to this stability and flexibility by providing grid services such as frequency regulation, arbitrage, flexible ramping, cold start, congestion relief, etc.

As part of the regional energy programme ProCEM II, and in cooperation with WAPP, a mission consisting in leading the development of a Least cost Investment Plan as well as regulatory and institutional, environmental and social Frameworks, for the deployment of BESS in West Africa (WAPP grid) started in 2023. An important achievement of the process was marked by the regional workshop held in May 2024 in Lome (Togo) with the participation of key representatives from energy and environment Ministries, national regulators, utilities of ECOWAS member countries.

The studies demonstrated the economic viability of investing in BESS to provide frequency control services, compared to investments in gas turbines and other thermal power plant, assumed to be often used for frequency control. To know more, kindly contact us [procem@giz.de](mailto:procem@giz.de).

**Contact person** [Mahmoud Ibrahima NDaw](#)

### **Project description**

ProCEM II strives to improve the institutional, technical, legal and regulatory frameworks for a climate-friendly regional electricity market. It supports the partners in operationalising the regional electricity market and follow a regional approach.

» [ProCEM II](#)



## Is collaboration the key to Africa's success?

Overcoming regulatory challenges in the developing green hydrogen economy



Shaping the Future: Industry Insights on Technical standards and certification for a Green Hydrogen Economy in South Africa © GIZ

The issue of overcoming regulatory barriers for the emerging green hydrogen and Power-to-X



economy is gaining traction, especially among African countries positioning themselves for export opportunities. With its vast renewable energy resources, critical minerals, and technical expertise, Africa has the potential to become a leading green hydrogen hub. For this to be realized, establishing a robust regulatory framework and implementing a certification scheme are essential.

In light of this, GIZ has funded a study to be published as a guideline outlining the regulatory requirements for project developers and identifying areas lacking regulation to be addressed by relevant institutions. To gather stakeholder input, a workshop was held on June 11, 2024, with participants from various institutions based in South Africa. The key findings that emerged was the importance of a regional collaborative approach among African countries for setting standards and implementing certification. The guideline and certification recommendations are expected to be published in early 2025.

**Contact person** [Thobeka Mchunu](#)

### **Project description**

» [Promoting green hydrogen - giz.de](#)



## Could Green hydrogen economy impede or boost energy security in South Africa? Let's find out

South Africa



South Africa's move towards energy security © GIZ/Luke Katemba

In 2023, South Africa experienced 6,950 hours of loadshedding, significantly impacting the economy. Energy security concerns linger as the country advances its renewable energy-intensive strategic infrastructure projects for the export of green hydrogen. Sceptics question the viability of the sector that will require the massive expansion of renewable energy resources like solar and wind, if South Africans continues experiencing loadshedding. Whether green hydrogen developments will exacerbate the challenge or offer part of the solution to domestic energy security challenges is the question that would secure confidence in the sector.

The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH has commissioned a study to examine the potential net impact of the green hydrogen economy on South Africa's energy security. It will examine contact points between electricity supply and green hydrogen development scenarios, to elaborate positive and negative impacts as well as enabling conditions to foster a net positive impact on energy security.

Contact person [Susan Byakika](#)

### Project description

The impact analysis of green hydrogen on energy security is one of the studies commissioned under the 'Promoting a green hydrogen economy in South Africa' (H2.SA) programme, funded by the German Federal Ministry of Economic Cooperation and Development, BMZ.



## ••• AMERICAS •••

### Empowering SMEs: A New Era of Financing for Energy Efficiency in Mexico

An innovative blend of financial and technical support for the energy efficiency market

The advertisement features a central image of a smiling woman wearing a white hard hat and a light-colored work jacket. To her right, there are four key financial terms listed with corresponding icons: 'Financiamiento / Hasta 15mdp' with a bar chart icon, 'Tasa de interés / Hasta 16% anual fija' with a stack of coins icon, 'Plazo / Hasta 8 años' with a calendar icon, and 'Gracias / Hasta 6 meses' with a scissors icon. On the left, there is a QR code and a phone icon with the text '¡Participa ya! BOONAFINSA'. Below the QR code is an orange banner that reads 'Accede a un diagnóstico energético sin costo. Válido por tiempo limitado\*'. At the top, logos for 'Mitigation Action Facility' and 'giz' are visible. The bottom of the ad features logos for 'HACIENDA', 'MEDIO AMBIENTE', and 'Banco Nacional Financiero'. A footer bar contains social media icons and the website 'gob.mx/nafin'.

Sustainable Eco Credit (Eco Crédito Sustentable) at [nafin.com](http://nafin.com) © Nafin.com

The Energy Efficiency in Small and Medium Enterprises project in Mexico, is a pioneering GIZ initiative that adds a financial component to the existent technical support. Through this innovative dual approach, the project strengthens the supply and demand side of the energy efficiency (EE) market, by training commercial banks and EE developers and by offering financial access to SMEs to implement energy saving measures that are also cost-effective via the Sustainable Eco Credit (Eco Crédito Sustentable) loan. The implementation of these recommendations marks a crucial stride toward a more sustainable energy future in Mexico.

Moreover, the initial pilots implemented in 53 companies enabled the creation of a methodology for energy diagnostics to ensure the project's profitability and provide



Eco Crédito Sustentable © Nafin.com

banks with a standardized summary that simplifies the loan approval process, thereby bridging the gap between technical and financial sectors.

By uniting developers, technical validators, and commercial banks, NAMA PyME fosters a robust EE market, propelling Mexico towards a low-carbon economy. This dual model aims to inspire similar financial cooperation within GIZ, highlighting the increasing importance of financial support in international development.

**Contact person** [Jorge Atala](#)

### **Project description**

Initiative that aims to create a dynamic and robust market for EE as a contribution to a low-carbon economy in Mexico with a mix of capacity-building and investment.

### **Further information**

- » [Cooperación Clima \(cooperacionclima.com.mx\)](http://cooperacionclima.com.mx)
- » [Namapyme Website](#)



## With the support of GIZ: German company Ineratec identifies sites to produce synthetic fuels in Chile

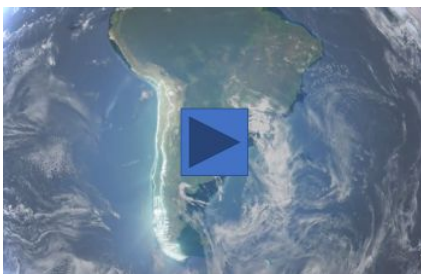
The German company also signed a Memorandum of Understanding (MoU) with Chile's leading fuel distributor COPEC to produce e-Fuels



Ineratec's CEO Tim Boeltken © GIZ / Cristian Fuentes

INERATEC, a German company pioneer in the field of synthetic fuels, together with GIZ, released a study for the implementation of e-fuels production plants in Chile.





LinkedIn Video 4e Chile

These results helped Ineratec to sign a Memorandum of Understanding (MoU) with Chile's leading fuel distributor COPEC, which intends to build a Power-to-Liquid plant to produce 3,500 tonnes of e-Fuels annually. This initiative was supported by the International Hydrogen Ramp-Up Program (H2-Uppp) commissioned by German Federal Ministry of Economics and Climate Action (BMWK).

**Contact person** [Cristian Fuentes](#)

### **Project description**

The International Hydrogen Ramp-up Programme (H2Uppp) of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) promotes projects and market development for green hydrogen in selected developing and emerging countries as part of the National Hydrogen Strategy.

### **Further information**

» [International Hydrogen Ramp-Up Program \(H2-Uppp\)](#)



## Rural Electrification Initiative in Sabana Real, Dominican Republic

Implementation of an isolated photovoltaic microgrid with energy storage system and public internet for a rural mountain community in the Dominican Republic



Panoramic view of the photovoltaic plant for the rural community in Sabana Real, Dominican Republic © GIZ (Energy Transition Project)

Through the installation of a solar micro power plant and Wi-Fi network with satellite connectivity, electricity and internet are being brought to the remote rural community of Sabana Real in the Dominican Republic for the first time.





Sabana Real Story Video

The project benefits more than 225 community members in 81 homes, 11 businesses, two churches, a community school, the cooperative, a military post and a park ranger station and represents a significant improvement in people's living conditions: The clean energy services improve the comfort and safety of the area, generate opportunities for economic growth by encouraging the use of new technologies, facilitate access to information,

communication, education, telemedicine and remote work opportunities, and promote the modernisation of agriculture by enabling the use of machinery, irrigation systems and conservation technologies.

**Contact person** [Clemens Findeisen](#)

### Project description

Through improving the institutional and regulatory framework of the energy sector for greater investment in renewable energy, developing new financing instruments for renewable energy in domestic banking, capacity building and pilot projects, the project assisted the Government to continue expanding renewable energy, electromobility and energy storage technologies.

» [Promoting the energy transition in the Dominican Republic and achieving climate targets - giz.de](#)

### Further information

» [Inicio - Proyecto Transición Energética \(mem.gob.do\)](#)



••• ASIA •••

## Building Energy Efficiency as a Response to Economic Challenges

Pakistan



National Energy Efficiency and Conservation Authority (NEECA) officials apprising Capital Development Authority (CDA) staff about Energy Conservation Building Code ( ECBC 2023) © GIZ Pakistan

Pakistan is striving to reduce its reliance on imported fossil fuels for power generation, focusing on residential, commercial, and governmental buildings that consume over 50% of the country's electricity. Rapid urbanisation is only expected to further increase energy demand. This dependency on imported fossil fuels poses environmental and economic challenges, including a high import bill that widens the trade deficit and contributes to inflation.

Therefore, improving energy efficiency and conservation in the building sector has become a top priority for the government. The National Energy Efficiency and Conservation Authority (NEECA), with support from the German Development Cooperation, developed the Energy Conservation Building Code (ECBC 2023), officially notified by the Ministry of Energy (MoE) of Pakistan. The ECBC 2023, soon to be implemented for new buildings, sets standards for energy-efficient designs and practices. Adhering to these guidelines will significantly reduce energy consumption in new buildings, lowering the national energy footprint and promoting a sustainable future.

**Contact person** [Mohammad Irshad Khan](#)

#### **Project description**

Driven by the vision to promote energy efficiency, environmentally friendly solutions, and efficient use of resources in the building sector, Germany is supporting Pakistan to make the building industry eco-friendly by using sustainable building materials, reducing energy use of buildings, and extending the lifespan of existing buildings.

» [Supporting the construction transition to promote energy efficiency in buildings in Pakistan - giz.de](#)



## Advancing Energy Efficiency in Pakistan's Building Sector

Pakistan



Online Tools for ensuring Energy Conservation Building Code (ECBC 2023) compliance © GIZ Pakistan

The Building Transition project, funded by the German Development Cooperation, is assisting Pakistan's National Energy Efficiency and Conservation Authority (NEECA) in implementing the Energy Conservation Building Code (ECBC 2023). In collaboration with the University of Engineering and Technology (UET) Peshawar, a Building Energy Research Centre (BERC) has been established. BERC focuses on advancing energy efficiency in the building sector, fostering expertise and encouraging international collaboration.

Additionally, GIZ Pakistan is supporting the development of practical tools for ECBC 2023 implementation. UET Peshawar has created an ECBC Implementation Manual and a user-friendly checklist for code compliance. Publicly accessible online tools are to assess buildings, determine the impact of materials on the overall energy efficiency of the building, and ensure adherence to ECBC regulations. Furthermore, federal and provincial building regulatory authorities will receive training to enforce the new building regulations. This initiative aims for a smooth transition and widespread adoption of energy-saving measures in Pakistan's building sector.

**Contact person** [Mohammad Irshad Khan](#)

#### **Project description**

Driven by the vision to promote energy efficiency, environmentally friendly solutions, and efficient use of resources in the building sector, Germany is supporting Pakistan to make the building industry eco-friendly by using sustainable building materials, reducing energy use of buildings, and extending the lifespan of existing buildings.

» [Supporting the construction transition to promote energy efficiency in buildings in Pakistan - giz.de](#)



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## From Zero Interest to Net Zero

Retail Banking for Energy Efficiency in the Philippines



The workshop participants discussed how to provide incentives for consumers to buy energy efficient cooling technology © giz

Energy efficiency is a low-hanging fruit for climate action and was included as the top priority of the energy sector in the Nationally Determined Contributions (NDC) of the Philippines. Cooling remains a challenge, though. The Philippine energy sector has set a climate action target for residential energy efficiency at 248.21 MT CO<sub>2</sub>e through energy savings. However, there are difficulties to provide incentives for consumers to buy the most efficient units in the market given the perception of a high upfront cost.

Tackling that was the purpose of “From Zero Interest to Net Zero: Training Workshop on Mobilizing Retail Banking to Promote Energy Efficient Appliances in the Philippines”. It specifically targeted retail banks to develop creative solutions in promoting energy efficient appliances to their clients by understanding their Life Cycle Cost (LCC) and the Total Equivalent Warming Impact (TEWI) for cooling appliances.

**Contact persons** [Theresa Bruns](#) and [Maraida Licerio](#)

#### **Project description**

Cool Contributions Fighting Climate Change is a project of the Proklima-Cluster. It supports the Philippines Grenada and Costa Rica in the green transition of the refrigeration and air conditioning sector.

» [Green Cooling Initiative](#)

#### **Further information**

Read more about the workshop on retail banking for energy efficiency:

» [From Zero Interest to Net Zero: Retail Banking for Energy Efficiency, Philippines](#)



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## Clean Energy – Crafting A Green and Sustainable Future

Vietnam





Clean Energy – Earth Hour 2024 in Hanoi © GIZ

Thousands of citizens, businesses, and organisations convened on the pedestrian street around Hoan Kiem Lake to participate in the event “Clean Energy - Crafting A Green and Sustainable Future”, in response to the Earth Hour 2024 campaign.

The event featured interactive activities with the community, such as tree planting to “green” the Earth, exploring fascinating renewable energy technologies at booths, and participating in waste collection, sorting, and recycling.

Games and activities aimed at enhancing awareness of clean and efficient energy technologies created a lively and vibrant atmosphere.

The highlight of this event was the painting “Crafting a Green and Sustainable Future”. This artwork reflects the community’s commitment to environmental protection and sustainable energy use. Created by a group of artists and event participants, especially children, the painting not only showcases creativity but also conveys profound messages about love and responsibility for the environment.

**Contact person** [Vu Chi Mai](#)

### **Project description**

The Clean, Affordable and Secure Energy for Southeast Asia (CASE) project aims to support Southeast Asian partner countries in the transition to a future energy system that provides reliable and affordable energy to the people while increasing political ambition to comply with the Paris Agreement.

» [Case for Sea – Home](#)



## Southeast Asian economies need to accelerate the deployment of renewable energy

Vietnam, Thailand, Indonesia, Philippines



A representative from Indonesia's Ministry of Energy and Mineral Resources speaking during a panel discussion at the regional workshop © GIZ

Southeast Asian economies need to accelerate the deployment of renewable energy, particularly wind and solar, to achieve Net-zero by 2050.

This urgent call to action is set at a critical two-day workshop, "Electricity Market Designs for Renewables in Southeast Asia", convening more than 60 key stakeholders from Indonesia, the Philippines, Thailand, and Vietnam.



CASE and ETP Organise Regional Workshop on Electricity Market Designs for Renewables in Southeast Asia © GIZ

The workshop was organised by the "Clean, Affordable and Secure Energy for Southeast Asia" (CASE) and the Southeast Asia Energy Transition Partnership (ETP). Sessions were held on 24-25 April 2024 in Bangkok, Thailand and brought together government ministries, regulators, utilities, and renewable energy producers alongside international experts.

The collaborative forum aims to unlock the full potential of clean energy in Southeast Asia and foster open dialogue by providing a space for prominent stakeholders from the region to engage with each other. Participants exchanged insights on trends, challenges, and opportunities for renewable energy transitions in the four countries.

**Contact person** [Vu Chi Mai](#)

### **Project description**

The Clean, Affordable and Secure Energy for Southeast Asia (CASE) project aims to support Southeast Asian partner countries in the transition to a future energy system that provides reliable and affordable energy to the people while increasing political ambition to comply with the Paris Agreement.

» [CaseforSea LinkedIn](#)



# Empowering Energy Efficiency Ambassadors: Urja Mitra Programme

Successful Onboarding & Orientation Workshop



Urja Mitras during the workshop @ RavinderKumar/GIZ India

The Energy Efficiency in Industry and Data project recently hosted a two-day residential onboarding workshop in Delhi for Urja Mitras. These 'ambassadors' for energy efficiency, appointed by the Bureau of Energy Efficiency, support small and medium-sized enterprises (SMEs) in implementing energy-saving measures in Indian industrial clusters. Urja Mitras conducts audits, provide guidance, facilitate coordination, and support industry implementation efforts.

The workshop aimed to enhance their skills, ensuring they can continue assisting industries beyond the project's duration. The 12 participants engaged in insightful discussions, shared best practices, and explored new strategies for boosting SME energy efficiency.

A highlight was the field visit to two forging industries and the National Power Training Institute (NPTI). Additionally, a specialized training session focussed on the Digi-Twin digital training technology. This event marks a significant step towards a sustainable and energy-efficient future for SMEs.

**Contact persons** [Nitin Jain](#) and [Piyush Sharma](#)

## Project description

The BMZ funded Energy Efficiency in Industry and Data project seeks to improve the ability of companies in the non-PAT industries in India's steel and pulp & paper industries to implement energy-efficiency measures.

## Further information

» [Promoting energy efficiency in Indian industry - giz.de](#)



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## Renewable Energy Revolution: Event Launch of Solar-Powered Boats and Agriculture Transform Semau and Rote Islands

Indonesia





Mrs. Sabine Schmitt, Head of Development Cooperation at the German Embassy in Jakarta, speaking at the launch event of the PV Agri and PV Boat projects in Oeseli Rote © Rahma/REEP2, GIZ Indonesia & ASEAN

On May 21, 2024, Indonesia made strides towards sustainable tourism and agriculture with the launch of two innovative projects supported by the Directorate General of New and Renewable Energy and Energy Conservation (EBTKE), the German Federal Ministry for Economic Cooperation and Development (BMZ) through GIZ, and partners.



YouTube Video

The PV Boat project, unveiled at Telaga Nirwana in Oeseli Village, introduces solar-powered boats that promise a silent, emission-free journey across the pristine waters, revolutionizing the tourist experience by preserving the acoustic and environmental integrity of the marine landscape.

Simultaneously, the PV Agri project is set to transform agricultural practices on Semau Island by implementing a solar-powered irrigation system that conserves water and optimizes land use.

Both projects highlight the potential of renewable energy to drive economic development and environmental conservation, showcasing how sustainable practices can be integrated into local industries to foster a greener future. These projects serve as models for renewable energy applications, demonstrating practical solutions to global energy and environmental challenges.

**Contact person** [Rahma Rahma](#)

### Project description

The 1,000 Islands-Renewable Energy for Electrification Programme Phase II (REEP2) is a project that focuses on renewable energy grid integration, which aim to improve the institutional, regulatory, and technical conditions for achieving the policy target of 23% of RE by 2025 at national and regional level.

### Further information

- » [LinkedIn GIZ Indonesia – Photovoltaics](#)
- » [PV-Agri Semau Factsheet](#)



# Decentralised Renewable Energy for Sustainable Fisheries Value Chain

India



District level workshop on decentralized renewable energy to strengthen fishery value chain of assam © GIZ/ Kalong Kapili

Stakeholders from the fisheries value chain of Assam, India acknowledge the impact of climate change in the aquaculture and fisheries value chain sector and expressed their willingness to fully support the integration of Decentralised Renewable Energy technologies such as solar water pumps, solar aerators, solar refrigerators and solar dryers.

GIZ's partner Kalong Kapili, an organization working towards promoting sustainable aquaculture practises for northeastern states of India. Kalong Kapili presented their work to integrate DRE in Assam and invited the stakeholders to support in scaling up the DRE technologies. DRE technologies will support the fish farmers to meet their energy needs in the fish value chain which will enhance their production and processing.

Three District Level Workshops we organized to share the outcome of the ongoing pilot project in the selected districts. The objective was to explore collaboration with different institutions working in aquaculture and fisheries in Assam to scale up DRE technologies in the state.

**Contact person** [Anuj Hemant Xess](#)

## **Project description**

The project aims to promote Decentralised Renewable Energy technologies beyond solar water pumps in agriculture and allied sectors.

## **Further information**

» [Promoting Solar Water Pumps through the Indo-German Energy Programme - Promotion of Solar Water Pumps - giz.de](#)



## Energy supply at the centre of the Ukraine Recovery Conference in Berlin

How GIZ is contributing to a secure and sustainable energy supply in Ukraine



Installed solar panels at children's hospital in Ukraine © GIZ

The Ukraine Recovery Conference, co-organised by Ukraine and Germany took place in Berlin last week. Over 100 agreements worth 16 billion euros were signed. Ukrainian President Volodymyr Zelenskyy highlighted that Russian attacks have destroyed 80% of thermal power plants and a third of hydropower plants, leaving 50% of Ukraine's energy infrastructure damaged. Federal Chancellor Olaf Scholz emphasised that "energy is at the top of the agenda." EU Commission President Ursula von der Leyen announced additional 500 million euros for urgent repairs in Ukraine.

GIZ is supporting Ukraine with short-, medium-, and long-term measures for a secure, green energy supply. A key short-term initiative is a campaign on the donation and procurement of technical goods for infrastructure repair, with over 8,300 items already delivered, restoring energy supply for 550,000 Ukrainians. GIZ has also supported increasing energy efficiency in buildings and energy management plans, crucial for medium-term stabilisation of the energy supply. Long-term, GIZ backs Ukraine's energy and climate reforms to aid its EU accession.

**Contact person** [Katharina Schaake](#)

### **Project description**

The Energy and Climate Cluster of GIZ Ukraine consists of a total of 13 projects, that aim at supporting Ukraine on their way to a more resilient, green energy and climate neutral path within the European Union.

### **Further information**

» [Ukraine Recovery Conference \(URC2024\) - 11-12 June 2024 | Berlin, Germany \(urc-international.com\)](#)

» [The German-Ukrainian Energy Partnership | Energy Partnership Ukraine \(energypartnership-](#)





## Unlocking Renewable Energy Potential: Lessons from Katuni Wind Park

A Field Trip to the Future of Wind Energy in the Western Balkans

Albania, Bosnia and Herzegovina, Kosovo, Montenegro, North Macedonia, Serbia and Croatia



Western Balkans visiting Katuni wind park © Armin Karalic/GIZ Copyright

Transmission system operators and regulators from the Western Balkans have united on a study trip to fast-track wind power plant construction, marking a major advance towards the region's renewable energy goals. Inspired by visiting Katuni Windpark in Croatia, operated by the German subsidiary wpd Adria d.o.o., participants explored hybrid cabling and plans for a solar plant at the site.

Experts provided insights on optimising power wholesale by wind farms and enhancing commercial models. Discussions focused on infrastructural upgrades and EU funding instruments for power grids.

This initiative directly addresses the regional renewable energy targets, showcasing practical advancements and collaborative efforts. The knowledge shared is crucial for the successful implementation of future wind park projects, supporting the Green Agenda: Decarbonisation of the Electricity Sector in the Western Balkans project.

By continuing to share knowledge and work together, the region is well on its way to achieving a sustainable and decarbonised energy future.

**Contact person** [Nicolas Heger](#)

### **Project description**

The project aims to meet the rising demand by key actors in the electricity sector in the Western Balkans for technological, regulatory, and human resources solutions. These solutions are essential for implementing an environmentally and climate-friendly energy transition in the region.

» [Green Agenda: Decarbonisation of the Electricity Sector in the Western Balkans](#)



## Intersolar: Connecting Solar Business at “The Smarter E”

Energy colleagues from all over the world find out about innovations in the solar industry in Munich



Networking event between Caribbean delegation and BMZ representatives © GIZ / Louisa Nawrot

3,008 exhibitors showcased their innovative products at “The Smarter E” and Intersolar Europe from June 19 to June 21 to around 115,000 international visitors including high level delegations from GIZ partner countries. Solutions for floating PV, Agri PV and storage as well as hydrogen were particularly present.

Intersolar’s “Off-Grid Power Conference 2024”, supported by BMZ and GIZ, highlighted current trends and best practices in off-grid power supply in developing countries, focusing on the water-energy-food nexus and the role of digitalization in accelerating off-grid initiatives.

The BMZ presented itself as a key partner in the global energy transition, showcasing its commitment to expanding solar energy through German development cooperation and partnerships with the private sector. Organised by the GIZ SV Energy; GET.invest and Business Scout at BEE Ahmad Sandid the BMZ’s participation underscored the importance of cooperation and exchange between German companies and development policy experts E.g. on the challenges of financing options for small PV projects.

**Contact persons** [Ahmad Sandid](#), [Kerstin Linden](#) and [Mara Braun](#)

### **Project description**

The Energy Policy Support Programme – Energy Transition Cooperation and Regulatory Policy aids the German Federal Ministry for Economic Cooperation and Development (BMZ) in advancing the global energy transition. It offers expertise on energy-related topics and emerging technologies, such as green hydrogen, and facilitates knowledge management and event organization.

» [Advancing the global energy transition](#)

### **Further information**



••• MENA •••

••• GLOBAL •••

## A vision for the blind spot

Development banks prepare to tackle the most potent greenhouse gas



© Iqram-O-dowla Shawon / Unsplash

It is the most potent of all greenhouse gases, yet very little has been done about it. Sulphur Hexafluoride – or SF<sub>6</sub> – is 23,400 times more effective at heating the planet than CO<sub>2</sub>. And once it's in the atmosphere, it's there to stay – at least a thousand years!

SF<sub>6</sub> emissions emanate mainly from switchgear in the power sector, and they are on the rise worldwide. Mitigation requires better handling of power infrastructure equipment, including end-of-life management. In the long term, SF<sub>6</sub> must be phased out altogether and replaced with alternative technologies.

With this in mind, the German Federal Ministry for Economic Affairs and Climate Action invited financial institutions to a workshop hosted by GIZ in Bonn on 3 June.

The ADB, AfDB, BOAD, EDB, EIB, KfW and World Bank decided to move forward together as they green their portfolios in this underexposed area. Further progress will be reported as this vision takes shape.

**Contact person** [Philippe Lempp](#)

### **Project description**

This workshop was supported by the project “Preparation of an international initiative to mitigate sulphur hexafluoride emissions in the power sector” under the German government's International





## Illuminating Knowledge Sharing and Learning

Green People's Energy - Wiki-based Digital Knowledge Hub



Uganda: A school is able to offer an essential education even at night thanks to solar lighting © GIZ GBE Uganda/ Malaika Media

You are looking for lessons learned and for innovative and tested approaches from energy access projects? Look no further: Energy access knowledge is being made available to practitioners using the wiki-based Energypedia platform.



Green People's Energy for Africa - Knowledge Hub - energypedia

Please have a look and browse through the compiled experiences of the last few years of the initiative Green People's Energy for Africa. You will find thematic knowledge products on productive use in agriculture, end-user financing, empowering women, and skills development. In addition, there are plenty of learning and practical takeaways compiled in our case studies of our country measures and project fact sheets of the Small Projects Fund.

You can navigate to specific countries of your interest using the map or the topic navigation.

**Contact person** [Stefan Eibisch](#)

### Project description

The initiative Green People's Energy for Africa of the Federal Ministry for Economic Cooperation and Development (BMZ) was launched in 2017 and aims to facilitate, expand, and secure the supply of

sustainable energy in nine countries in Africa.

» [Green people's Energy](#)

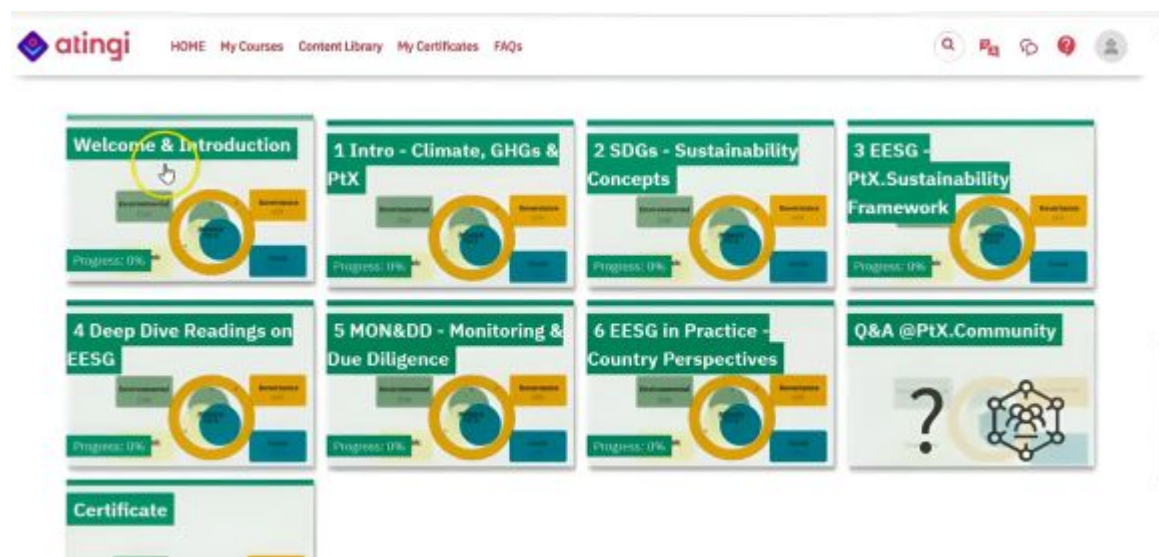
### Further information

» [Energy for Africa – Knowledge Hub](#)



## Building a critical mass of Power-to-X enthusiasts around the world

The PtX Hub's new eLearning and PtX.Community offer new spaces that connect green hydrogen experts



First look into the new eLearning course on Power-to-X sustainability on the learning platform atingi © International PtX Hub

How can experts working on Power-to-X (PtX) collaborate across continents and create a valuable space for knowledge exchange? To provide a shared space for them to share the latest developments in technologies and policies in their countries and regions, the PtX Hub launched its PtX.Community last year. As of May 2024, it is now open to all. "Regular community calls ensure a continuous exchange between academic experts, private sector professionals and policy makers on the most relevant issues of the day, such as certification, project financing and research methodologies," explains Ruth Barbosa, Advisor Capacity Development.



LinkedIn Video e-learning course

"The second new pillar of the PtX Hub's training portfolio is the eLearning course." It focuses on one of the most sought-after topics - sustainability - and is freely accessible to anyone interested in understanding PtX and our EESG framework for building the new value chains in a truly sustainable way. "The course opens up a new target group for us - and allows anyone with an Internet connection to find their way into the emerging PtX sphere."

**Contact person** [Maren Schoettler](#)

### Project description

The International PtX Hub is a centre of expertise and collaboration for innovative and sustainable green hydrogen and Power-to-X value chains. Through policy and regulatory advice, training, and cross-sectoral stakeholder dialogues, the PtX Hub advocates for hydrogen and PtX approaches that promote sustainable market development.

### Further information

» [PtX Hub Community](#)

» [PtX Hub e-learning](#)

» [PtX Hub LinkedIn](#)



## PEEB Cool starts in 11 countries to address energy efficiency in buildings

PEEB Cool will boost green buildings in 11 hot-climate countries with an initial financial window of 230.5 million EUR



PEEB Cool © Abigail Keenan/Unsplash

Buildings and construction account for around 37 percent of energy-related CO<sub>2</sub> emissions. With funding from the GCF, PEEB Cool supports 11 partner countries to tackle rising energy demand from cooling needs in emerging economies, working on mitigation and adaptation. PEEB is a Franco-German partnership that aims at transforming the buildings sector through sustainable building design and construction. The project strategically combines AFD's project preparation and finance assistance with GIZ's work on policy advice, capacity building, and international outreach.

PEEB Cool will primarily support the development of new constructions, but it will also address the refurbishment of existing buildings. It is expected that around 1.5 million tons CO<sub>2</sub> equivalent will be reduced or avoided thanks to the impact of the programme. A strong emphasis will be put on reducing emissions from cooling through the development of bioclimatic buildings whilst also improving the users' thermal comfort and security.

**Contact persons** [Mariana Lima Maia](#)

### Project description

The Programme for Energy Efficiency in Buildings (PEEB) aims to transform the building sector by promoting sustainable building design and construction. PEEB combines financing for energy efficiency in large-scale projects (AFD) with technical assistance through policy advice (GIZ) and is catalysed by GlobalABC.



## Further information

- » [PEEB – Transforming the building sector](#)
- » [PEEB Cool](#)
- » [Programme for Energy Efficiency in Buildings \(PEEB\) - giz.de](#)
- » [GlobalABC](#)



## PUBLICATIONS

### World Trilemma Report

The World Energy Council's World Energy Trilemma Report 2024 places significant emphasis on signals from interviews and workshops with experts in the Council's worldwide community across more than 100 countries. These experts have utilised the Trilemma Framework to delve into the implications of post-pandemic recovery and the war in Ukraine within specific regions across the world. Special emphasis is placed on managing trade-offs among the dimensions of energy security, equity, and sustainability. These regional reports not only highlight challenges and opportunities but also examine the effects of recent crises on energy systems and the strategic responses to address them.

- » [World Energy Trilemma Report 2024 | World Energy Council](#)

### EU: Ramp-up and role of hydrogen-based power generation

Gives a guideline and provides recommendations about provision of H2 for electric power generation. Maintaining a stable and steady electric energy supply that is mainly based on variable RES (Renewable Energy Sources) requires a flexible and dispatchable balancing solution for electric power generation. Balancing electric power generating solutions based on chemical energy carriers (i.e. fuels like H2, methanol, ammonia, synthetic hydrocarbons which can be stored easily) can provide large amounts of energy (MWh to TWh) and it can dispatch it quickly at a large variety of power scales (< 1MW up to the GW scale).

- » [Ramp-up and role of hydrogen-based power generation](#)

### Tracking SDG 7: The Energy Progress Report 2024

Jointly produced by IRENA in collaboration with the International Energy Agency (IEA), the United Nations Statistics Division (UNSD), the World Bank and the World Health Organization (WHO), and led by the IEA in 2024, this annual publication monitors global progress towards meeting Sustainable Development Goal (SDG) 7, which aims to ensure affordable, reliable, sustainable and modern energy for all.

- » [Tracking SDG 7: The Energy Progress Report 2024](#)

### World Energy Issues monitor 2024

The World Energy Council is the world's oldest independent and impartial community of energy leaders and practitioners. Through our Humanising Energy vision, we involve more people and communities in accelerating clean and just energy transitions in all world regions. Formed in 1923, the Council has convened diverse interests from across the full energy ecosystem for a century, and today has over 3,000 member organisations and a presence in nearly 100 countries. Our global network draws from governments, private and state corporations, academia and civil society, as well as current and future energy leaders. We effectively collaborate on impact programmes and inform local, regional and global energy agendas in support of our enduring mission: to promote the sustainable use and supply of energy for the benefit of all people.

- » [World Energy Issues monitor 2024](#)

### Investment opportunities for utility-scale solar and wind areas: El Salvador

Through a rigorous and collaborative process involving local representatives, this study integrates

diverse datasets covering population density, land use and infrastructure networks, as well as renewable and meteorological data, to identify favourable zones in El Salvador for utility-scale solar photovoltaic (PV) and onshore wind projects.

» [Investment opportunities for utility-scale solar and wind areas: El Salvador](#)

### **REPowerEU - 2 years on**

With REPowerEU, the EU wants to end its dependence on fossil fuels from Russia by saving energy, diversifying the energy supply and accelerating the energy transition. The document presents the REPowerEU plan progress two years after its launch (18 May 2022). There is one document per EU country.

» [REPowerEU - 2 years on](#)



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### **Current Vacancies**

» [Bonn: Advisor \(m/f/d\) for Green Hydrogen](#)

Job-ID: V000057677

Application Deadline: 07/02/24

### **Current Vacancies**

» [Costa Rica: Communication Expert - Global Gateway Facility for Central America \(m/f/d\)](#)

Job-ID: V000059100

Application Deadline: 07/03/24

### **Current Vacancies**

» [Bonn: Junior-Berater\\*in im Sektorvorhaben „Internationaler Bodenschutz](#)

(German only)

Job-ID: V000058740

Application Deadline: 07/09/24

### **Current Vacancies**

» [Bonn: Rechtsreferendar\\*in im Bereich verantwortungsvoller Rohstofflieferketten](#)

(German only)

Job-ID: P1490V2093

Application Deadline: 12/31/2024



## **INFORMATION and LINKS**

GIZ – International Fuel Prices

To subscribe, please contact [Armin Wagner](#).

GIZ offers a range of company-wide and subject-specific newsletters, e.g. on the topics of 'Transport

and Mobility', 'Low Emission Development & Renewable Energy' (English/French), and many more. The various newsletters are listed on » [GIZ's newsletter description page](#).

» [Browse](#) back issues of GIZ's energy newsletter.

Energising Development Bolivia (English / Spanish)

» [Newsletter + Energy](#)

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» [The Global Energy Transformation Programme - GET.Pro](#)

» [Energising Development – EnDev](#)

» [Energypedia](#)

» [REN21](#)

» [IRENA](#)

» [IEA](#)

» [SE4ALL](#)

» [Powering Agriculture \(energypedia.info\)](#)

» [German National Hydrogen Council \(NWR\)](#)



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