Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

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Energy Newsletter

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

Dear readers,

At COP28, an ambitious goal was set: the annual rate of global energy efficiency improvement is to be doubled to 4% by 2030. However, the current Global Energy Review 2025 by the International Energy Agency (IEA) shows just how wide the gap between ambition and reality remains. In 2024, the actual improvement in energy intensity was only 1% – even lower than in 2022.
The report clearly identifies the causes: investment- and production-driven recoveries in countries such as China and India have increased energy consumption. At the same time, extreme weather events have led to rising demand for cooling. In addition, periods of drought have restricted hydropower generation in many places, forcing a return to less efficient fossil-based power sources.

Two other recent publications – the New Energy Outlook 2025 by BloombergNEF and the World Energy Investment Report 2025 by the IEA – focus on the challenge of investment in the energy transition. While global investments rose to a new record high of over USD 2.1 trillion in 2024, this capital is extremely unevenly distributed. China alone accounted for around 39% of global

investments – more than the US, the EU and the UK combined. In contrast, developing and emerging economies (excluding China) fall far short of their investment needs. According to the IEA, investment in these countries amounted to only USD 320 billion – roughly 15% of the global total – despite being home to two-thirds of the world's population.

A key obstacle remains the high cost of capital: in many of these countries, access to affordable financing is limited, significantly hampering project development. The IEA therefore recommends a combination of regulatory reform, targeted deployment of public funds, and increased concessional finance to mobilize private capital at scale.

This is precisely where our work comes in. From 3 to 5 June 2025, GIZ will host an internal retreat to further develop our approaches to mobilizing private investment in renewable energy and energy efficiency. The aim is to exchange insights on existing strategies and explore new ideas.

André Eckermann
Head of Competence Centre Energy and Transport

Stefan Mager
Head of Infrastructure – Energy, Water, Mobility

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» Boost for Harmonisation: Groundbreaking New Mini-Grid Regulations Tool
» GIZ Madagascar: Technical Expertise Driving Mini-Grid Development
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» Cabo Verde, powering the future through e-mobility
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» Advancing Indonesia's carbon market through electricity sector
» Govt. of West Bengal Started Green Cooking Initiative with a Live Demonstration
» Earth Hour 2025: Thousands of Young Families Support Net-Zero in Hanoi ; Humans of Energy Transition - VIET NAM

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» How PEEB is unlocking climate finance for buildings with Article 6 – and how you can get involved
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» Empowering, connecting, succeeding: Launch of the West African Women in Energy Forum
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» Pitch Perfect
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» eCooking: Sector Coupling in Action
» Bolivia and Germany strengthen alliances for national energy development

PUBLICATIONS

GIZ JOB OFFERS

UPCOMING EVENTS

10 June to 12 June 2025
European Sustainable Energy Week (EUSEW)
Hybrid Brussels, Belgium and online

12 June to 13 June 2025
IEA 10th Annual Global Conference on Energy Efficiency
Brussels, Belgium

10 June to 13 June 2025
IRENA Innovation Week
Bonn, Germany

11 June to 13 June 2025
Open Source in Energy Access Symposium (OSEAS 2025)
Nairobi, Kenya

11 June to 13 June 2025
Global NDC Conference
Berlin, Germany

15 June to 17 June 2025
G7 Leaders Summit
Kananaskis, Canada

16 June to 18 June 2025
Energy Asia
Kuala Lumpur, Malaysia

16 June to 26 June 2025
UNFCCC Subsidiary Bodies Meeting
Bonn, Germany

17 June to 20 June 2025
Africa Energy Forum
Capetown, South Africa

23 June to 24 June 2025
AIREG Sustainable Aviation Fuels Conference
Berlin, Germany

30 June to 03 July 2025

4th International Conference on Financing for Development
Sevilla, Spain

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Breaking the Silence on Lead: A Wake-Up Call for Ethiopia

Participants- representings government, private sector, developmental partners, Academia, CSOs and a bold message calling action on lead posioning © GIZ/Etsub

Rumor Has It… Solar Power Sparked Safe Management of Lead in Ethiopia!
Yes, it's true. What began as a rural solar electrification program by GIZ-EnDev has grown into a national effort to prevent lead poisoning through safe management of used lead-acid batteries (ULABs).
When off-grid energy access scaled up, so did the use of batteries—with no safe system for disposal. GIZ-EnDev responded, pioneering a circular approach: electrify responsibly and manage waste sustainably. The initiative then endorsed by government to be the national program.
In partnership with the Environmental Protection Authority (EPA) and with EU co-financing, major strides were made:

- National baseline & roadmap
- EPR directive and endorsed technical standards
- Certification & training for recyclers and regulators

Contact persons Bereket Tesfaye

Project description
Improving safe management of life cycle of used lead acid batteries within GIZ-Endev sustainability framework.

Further information

» Pure Earth: Lead and Mercury Poisoning Solutions
» Lead Poisoning Silently Stunting Children's Brain Development In Ethiopia: Study

Digitalization of community saving groups in rural Sierra Leone

From pen and paper to digital inclusivity

Awareness creation event in a village for Village Saving Loan members © EnDev Sierra Leone

In rural Sierra Leone, Village Savings and Loans Associations (VSLAs) are going digital for the first time. To support financial inclusion and local economic growth, the EnDev implemented, and EU-cofinanced Transformational Energy Use for Sierra Leone phase 1 (TEUSL 1). The project is training VSLAs in Kenema and Kono to use a mobile app for digital record-keeping and transactions. The tool replaces insecure paper records, improves transparency, and supports access to financial services. It also works offline, making it ideal for areas with weak network coverage.

Village Saving Loan members are getting a digitalisation training © EnDev Sierra Leone

So far, over 60 VSLAs and 12 local coaches have been trained. By the end of 2025, 4,500 users are expected to benefit. Improved financial management enables access to loans and investments in solar appliances, a key step in promoting energy use for income generation in these off-grid areas. This innovation supports inclusive digitalization in regions with low connectivity and limited financial access, helping microbusinesses grow and communities thrive.

Contact person Henrik Personn

Project description

The project strengthens savings groups' financial management, enabling them to access loans and invest in solar appliances and other productive energy uses (PUEs), supporting the growth of micro, small and medium-sized (MSMEs) enterprises in rural Sierra Leone.

Further information

» Portfolio - EnDev

» MiKashBoks – MiKashBoks makes saving and lending with friends easy and safe

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Boost for Harmonisation: Groundbreaking New Mini-Grid Regulations Tool

New IT-based tool set to revolutionise standardised mini-grid framework development in Africa

Launch moment: The tool was reviewed and endorsed by as many as 30 African and international organisations © GIZ

Inconsistent and fragmented regulations have long slowed electrification across Africa and discouraged investment in mini grids. Yet the African Forum for Utility Regulators (AFUR) has now launched the African Model Mini-Grid Regulations Tool, a pioneering solution designed to streamline and standardise mini-grid regulations across the continent.

The IT-based tool was developed in partnership with GET.transform and presented at the African Union Regional Policy Dialogue in Addis Ababa in May 2025. Government users answer key questions about their nation's electricity landscape, and the tool generates regulation text that is 70-90% implementation-ready within hours. It also provides feedback on how investor-friendly the regulations are helping to attract much needed private sector participation. The tool offers a true boost for regulatory harmonisation as the included templates have been reviewed or endorsed by as many as 30 African and International Organisations. In an unrivalled approach, regulators, industry associations and development partners agreed applicable best practice solutions.

Contact person Bhoomika Tiwari

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

» GET.transform – Transforming Energy Sectors Globally (get-transform.eu)
» Boost for Harmonisation: AFUR Launches Groundbreaking Mini-Grid Regulations Tool » GET.transform
» African Model Mini Grid Regulations Tool | The African Forum for Utility Regulators

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GIZ Madagascar: Technical Expertise Driving Mini-Grid Development

49 new solar mini-grids: a major step forward for isolated communities

Morondava, one of the regions with strong economic potential, included in the Call for Projects awarded to ANKA © GIZ

GIZ has continued its support to the rural electrification sector in Madagascar via Tosika Angovo (TANGO), action cofinanced by the European Union and Germany and implemented in the framework of the PERER project. In January 2025, Madagascar signed the Energy Compact under Mission 300. The Government aims to increase the rate of electrification from 36% up to 80% by 2030, mainly through decentralised renewable energies and in partnership with the private sector.

In this context, TANGO supported the Agence de Développement de l'Electrification Rurale (ADER) in its fourth tender (Appel à Projets 4) for the regions of Menabe and Melaky. The tender was awarded to ANKA that plans to develop 49 new solar mini grids (with a total capacity of 2.5 MWc and 250 km of power lines) that will provide access to electricity to 21 000 customers across 74 villages. The projects are cofinanced by the European Union and France via AFD in the context of the Angovo financial programme. Apart from financing the electrification infrastructure, Angovo will also

support productive uses of electricity in the targeted localities.

Contact person Carlos Miro

Project description
» Green electricity: driving Madagascar's development - giz.de

Breaking the Cycle: Solar Power for Rural Schools in Malawi

A girl is doing her homework in front of the school building, which is powered by a 4.5 kWp solar system © GIZ

In Mangochi, Malawi, solar energy is transforming education. A pilot project by EnDev, co-financed by the Embassy of Iceland, electrified four rural schools with standalone solar PV systems. At Mtengeza Primary School, a 4.5 kWp system powers evening study sessions, lesson planning, and even cold drink sales. A once-unused computer now aids digital literacy. Since electrification, primary pass rates rose to 97%, and secondary school selections jumped from 53% to 87%.

A simple resource like lighting has unlocked time for revision, group work, and quiet concentration © GIZ

"Now, many believe they can make it," says teacher Cliff Maclean. Student Lukia Ibra adds, "I can study with friends at night. I want to become a nurse."
Twelve more teacher houses will soon be electrified, and eight new schools in Nkhotakota are next.

Globally, EnDev has provided modern energy to over 20,700 educational institutions, advancing SDGs 4 and 7. Clean energy isn't just about power—it's about possibility.

Contact person Isabella Lehmann

Project description
Energising Development (EnDev) is an international flagship programme for providing energy access. Because to date, 685 million people worldwide live without electricity and about 2.1 billion people lack access to clean cooking solutions. This has a dramatic impact on social development, economic opportunities, health, education and the environment. To date, EnDev has provided access to modern energy to 33,9 million people around the globe.

» Energising Change - EnDev

Further information

» Breaking the Cycle: Solar Power for Rural Schools in Malawi - EnDev

GET.invest EDGE Finance service for the financial sector now implemented by four of Kenya's leading financial institutions

The service is part of GET.invest's efforts to mobilise funding for clean energy and is closely linked to the GET.invest Finance Access Advisory

GET.invest rolls out EDGE Finance service in Kenya © GIZ

In October 2024, GET.invest launched EDGE Finance (Enabling Domestic Green Energy Finance), a dedicated service for the financial sector. This service is now being implemented at four of Kenya's leading financial institutions: Equity Bank Limited, Co-operative Bank of Kenya, Credit Bank PLC and Kenya Women Microfinance Bank.

Over the coming months, GET.invest will be working closely together with these partner banks to develop and strengthen their institutional capacities to finance green energy solutions. With evolving global funding dynamics, a strong domestic financial sector can help ensure the scale of investment needed to support Kenya and the region's transition to clean energy.

These activities are funded by the Accelerated Partnership for Renewables in Africa (APRA) support to Kenya, and implemented in close coordination with GIZ Kenya's Energy, Transport and Climate Change Cluster.

Contact person Akash Uba

Project description

GET.invest is a European programme that mobilises investment in clean energy, co-funded by the European Union, Germany, Norway, the Netherlands, Sweden and Austria.
It is implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).
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 website

Further information

» GET.invest EDGE Finance here EDGE Finance

» Accelerated Partnership for Renewables in Africa (APRA)

Reflections from the Embedded Generation Support Programme for Systemic Change

Insights from supporting municipalities in mainstreaming embedded generation

Representatives of municipalities visiting a solar PV plant in Pretoria, South Africa – posing in front of the panels © GIZ/ SlebzCollen

The South African-German Energy Programme (SAGEN-IV) funded the “Embedded Generation (EG) Support Programme” from 2018, supporting municipalities with coherently integrating EG into networks in a technically, legally and economically sound manner. Resultantly, as of December 2024, 19,834 EG systems were registered and 77 municipalities established Council-approved processes for EG customers.

As the activity comes to an end in June 2025, Sayuri Chetty from SAGEN shares her key take-aways for implementing interventions that build capacity and supports mainstreaming EG:

- Think of capacity building holistically, and it’s dimensions - institutional, organizational and human. We’ve provided support via dual-learning for technical and non-technical staff, a technical helpdesk, standardised tools and templates, access to an online application portal, a resource hub, and peer exchange network.
- Interventions should be long-term, programmatic, adaptable and responsive to regulatory changes.
- Offer custom technical support - the programme is implemented by local experts who hand-hold and support municipalities no matter the stage in their EG journey.

- Embed disaggregated data collection, impact monitoring and measuring success beyond our indicators.
- Ensure the sustainability of resources with partners to keep them accessible and updated beyond programme end.

Contact persons Sayuri Chetty and Philipp Vanicek

Project description
SAGEN supports South Africa's energy transition by advising on electricity sector liberalisation, assisting Eskom and municipalities with power system optimisation, integrating embedded generation for grid stability, and improving energy management systems for enhanced efficiency and sustainability.
» Driving South Africa’s Energy transition to reliable, affordable, and clean energy - giz.de
» Facilitating South Africa’s energy transition through capability enhancement - giz.de
» Project Website

Further information
» Home - Embedded Generation Resource Portal

Cabo Verde, powering the future through e-mobility

Charging infrastructure accelerates the transition to sustainable transport across the islands

Inauguration of a Charging Station in Santa Cruz, Santiago, Cabo Verde © GIZ ProMEC

Cabo Verde has concluded the roll-out of its public charging infrastructure. The small village of Rabil (Boa Vista Island) and its 1401 inhabitants are now home to the 40th public charging station installed as part of a concession contract. As part of the contract, the 1st public charging station was installed in the city of Santa Maria (Sal Island) in June 2023.

These stations were funded by the Mitigation Action Facility, which supports the implementation of

the project Promotion of Electric Mobility in Cabo Verde, implemented by GIZ and the Ministry of Industry, Commerce and Energy.

Following this breakthrough, Cabo Verde has a ratio of approximately one public charging point for each five electric vehicles, putting this small island country in the driving seat of the e-mobility transition. In 2024, EVs were 8% of all newly registered light-duty vehicles, it is safe to say that Cabo Verde's future is electric!

Contact person Leo Julien Pagnac

Project description
The ProMEC project follows a comprehensive approach to address the financial, technical and other barriers to the uptake of electric vehicles in Cabo Verde.
» Promoting electric mobility in Cabo Verde (giz.de)
» Project description on partner's website in Portuguese. ProMEC_Moblidade | portalenergiacv.
News of the inauguration of the first public charging station within the concession contract from the official government news platform:
» Primeiro Posto de Carregamento Público para Veículos Elétricos instalado na ilha do Sal - Governo de Cabo Verde

Further information
Page describing the application process for incentives for private charging stations:
» Incentivos_postos | Portalenergiacv
News of the inauguration of the first public charging station within the concession contract from a news platform called Balai Cabo Verde:
» Inaugurado na ilha do Sal primeiro posto de carregamento público para veículos elétricos - Balai
Company website responsible for implementing of the 40 charging stations within the scope of ProMEC's project:
» Trações Elétricas de Cabo Verde

Kenya Submits Ambitious, Inclusive 2nd NDC for 2031–2035

Kenya's Second Nationally Determined Contribution (2031–2035) © Republic of Kenya

In April 2025, Kenya submitted its 2nd Nationally Determined Contributions (NDC) for the period

2031-2035. Supported by the GIZ projects “Promoting Climate Strategies and NDC Implementation in Kenya”, “Promoting the Framework Conditions for 100% Renewable Energies”, “Promotion of Climate-friendly Cooking Technologies” and “Energizing Development”, the Kenyan government committed to an inclusive and gender responsive NDC development process, ensuring that it captures the country’s diverse perspectives while committing to undertake energy sector reforms aimed at increasing renewable electricity generation in the national grid towards 100% by 2035.

Furthermore, Kenya has committed to ambitious climate goals such as enhancing adaptation, loss and damage measures to ensure a resilient society to the projected impacts of climate change and a reduction of greenhouse gas emissions by 35% by 2035.

As Kenya begins implementing its new NDC with GIZ’s support, it has set a valuable blueprint for inclusive and ambitious climate action in the region.

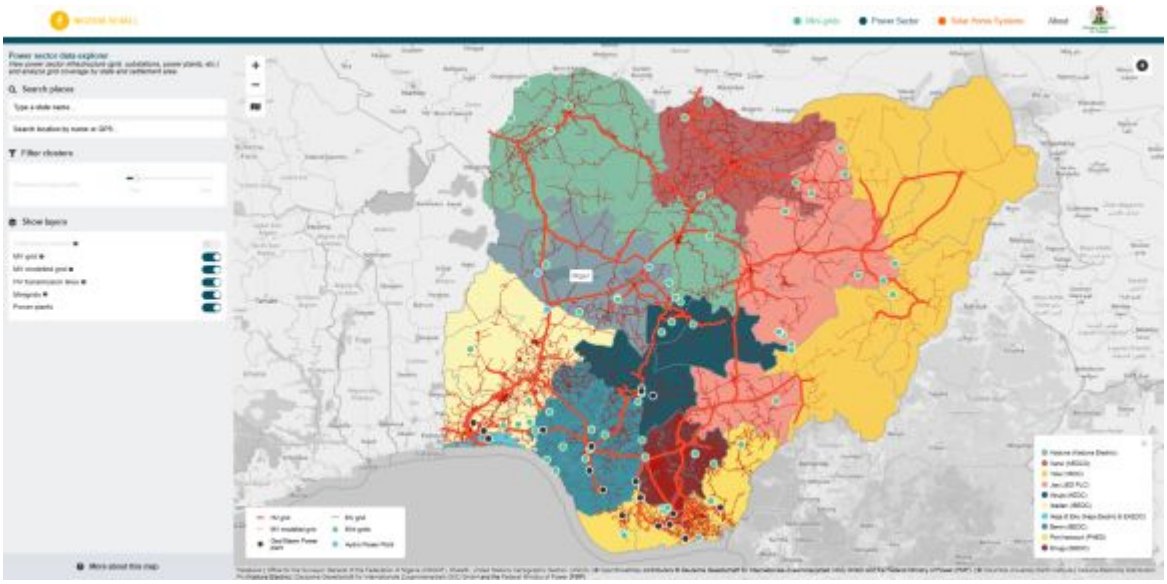
Contact person Martino Zanasca

Project description
Promoting Climate Strategies and NDC Implementation at District Level in Kenya.
The project contributes to strengthening national and county level institutions in their coordination, implementation and monitoring of the NDC and climate finance mechanisms.

Further information
» KENYAS SECOND NATIONALLY DETERMINED CONTRIBUTION 2031_2035.pdf

Electrification Planning: A Data-Driven Approach

Advancing Electrification: Mapping Nigeria’s Energy Infrastructure for Smarter Planning



Screenshot of the Nigeria SE4ALL Platform with a map showing the Medium and High Voltage Grid lines across Nigeria © NigeriaSE4ALL

A critical barrier to Nigeria’s Vision 30:30:30—achieving 30 GW of electricity with 30% renewables by 2030—is the lack of robust data for electrification planning. The Nigerian Energy Support Programme (NESP) is addressing this by enhancing planning through comprehensive grid mapping.

NESP has mapped 92,000 km of 11 kV and 33 kV grid infrastructure across 33 of Nigeria’s 36 states and the Federal Capital Territory. This digital database, detailing poles, cables, substations, and their operational attributes, offers vital insights into grid density, supply quality, electrification gaps, and opportunities. With plans to complete nationwide mapping, NESP is advancing data-driven strategy

for planning, monitoring, and policymaking - laying the groundwork for sustainable and inclusive electricity access across the country.

Looking for solutions in energy access planning? Visit our website and contact us to learn more!

Contact persons Milos Karic and Chukwudi Maximilian Cyriacus

Project description
NESP aims to improve energy access, promote renewable energy access, promote renewable energy, and enhance energy efficiency in Nigeria's power sector. It is co-funded by the European Union and the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by GIZ.
» Consultation on energy policy in Nigeria - giz.de

Further information
The data gathered, including MV and high-voltage grids, hydropower plants, mini-grids, and settlement clusters, is accessible on the SE4ALL website Nigeria SE4ALL.
» Nigeria SE4ALL

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Green hydrogen summit in Chile brought together more than a thousand people

The event brought together industry leaders, academics, researchers, policymakers, investors and other key players to explore the opportunities surrounding the development of this new industry

Inauguration of authorities @ GIZ / Clúster Energía Cono Sur

Concepción hosted the 6th Green Hydrogen Summit Chile LAC 2025, gathering over 1,000 participants to explore the renewable hydrogen value chain. Held for the first time outside Santiago, the event underscored regional leadership in Chile's energy transition. Authorities present included Energy Minister Diego Pardow, Biobío Governor Sergio Giacaman, Germany's Ambassador Susanne Fries-Gaier, and representatives from the EU, Argentina, Brazil, Canada, Japan, and the U.S.

Video summary of the event @ Cluster de Energía

Ambassador Fries-Gaier emphasized the importance of international cooperation: “Like Germany, Chile remains committed to free trade and a stable global regulatory framework that builds investor confidence. The new EU-Chile partnership agreement opens key opportunities for energy collaboration and knowledge exchange.”

Side events covered regional industrial development, gender inclusion in the hydrogen sector, SME integration, and export opportunities. The summit was organized by CORFO, Chile’s Ministry of Energy, the EU Delegation, GIZ, and regional partners such as H2V Biobío and Comité CORFO Biobío. The EU reaffirmed its support with €220.5 million to develop Chile’s hydrogen industry, reinforcing collaboration through its Team Europe initiative. The summit marked a milestone in decentralizing Chile’s clean energy strategy.

Contact person Cristian Fuentes

Project description
GIZ Cono Sur Energy Cluster works to boost energy transition and decarbonisation in LATAM.

Magallanes region in Chile now has a pioneering system for monitoring wetlands and peatlands

A high-interest product for the development of Chilean hydrogen industry

Launch event in the region of Magallanes @ GIZ Chile

The Magallanes Region in southern Chile now has a pioneering Wetlands and Peatlands Monitoring System, developed by the Center for Mathematical Modeling (CMM) of the University of Chile and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, as part of the Team Europe “Renewable Hydrogen Development in Chile” project, co-financed by the European Union and Germany’s Federal Ministry for Economic Affairs and Climate Action (BMWE).

The system combines satellite data from the EU’s Copernicus program with on-the-ground fieldwork to

Map of peatlands and wetlands @CMM UChile

generate a detailed, georeferenced map of wetlands and peatlands. This tool will support decision-making for green hydrogen development while protecting ecologically valuable ecosystems. Authorities, researchers, and developers can now access this open data system to guide sustainable planning. The initiative was made possible through collaboration with Chile's Ministries of Energy and Environment. Experts highlight its scientific foundation, use of artificial intelligence, and strategic value for balancing environmental conservation with economic development. The system is available to the public.

Contact person Cristian Fuentes

Project description
Team Europe Renewable Hydrogen Development in Chile Project
Through this initiative, actions are implemented to promote the renewable and sustainable hydrogen economy in Chile.

Further information
» Catastro de Humedales & Turberas

Oxyfuel cutting systems powered by green hydrogen – a building block for the ramp-up of Brazil's hydrogen economy

Messer Cutting Systems brings Oxyfuel cutting system powered by green hydrogen to Brazil – with the support of H2Uppp © Messer Cutting Systems

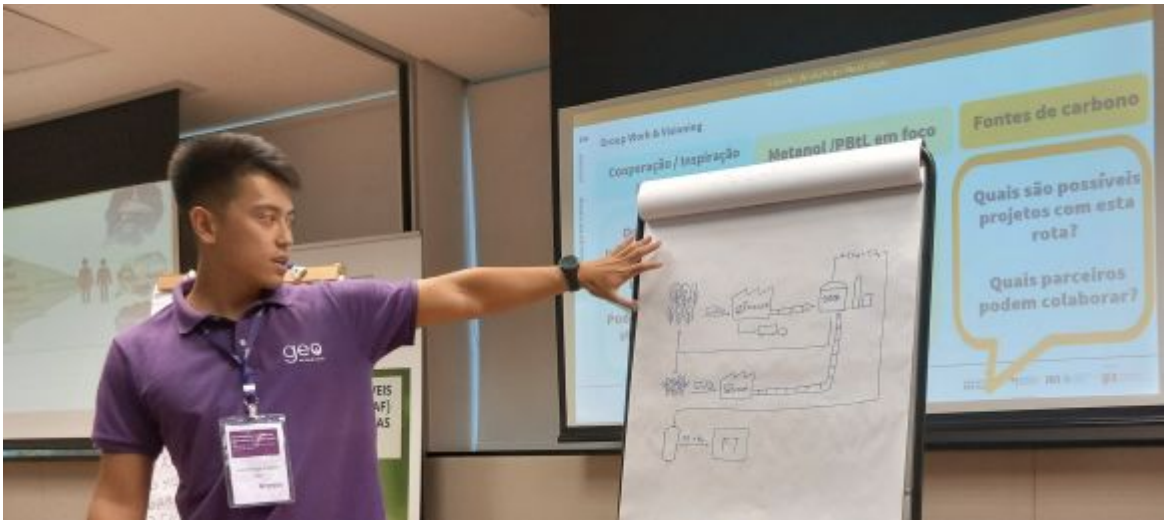
Messer Cutting Systems and H2Uppp have launched a partnership to introduce green hydrogen-powered oxyfuel cutting technology in Brazil. This project marks the first use of green hydrogen for thermal cutting in the country, replacing traditional fossil fuels like natural gas.

Both partners plan to set up automated demonstration plant in São Paulo to enable testing and training for small and medium-sized companies, with a focus on training at least 1,000 workers in this sustainable technology. The initiative aims to decarbonise Brazil's metalworking sector, develop the local hydrogen market, and promote innovation. The project also fosters technology transfer and investment, contributing to the global hydrogen economy and advancing sustainable industrial practices in Latin America.

Contact persons Detlev Tenzer and Claudio Cinquemani

Project description
The International Hydrogen Ramp-up Programme (H2Uppp) of the German Federal Ministry for Economic Affairs and Energy (BWME) promotes projects and market development for green hydrogen in selected developing and emerging countries as part of the German National Hydrogen Strategy.
» H2Uppp - PtX Hub

From niche to big business – how International Power-to-X Hub supports Brazil's ambitions with clean aviation fuels



Participant presenting insights on sustainable aviation fuel (SAF) © Evonik

If Brazil wants to meet its climate ambitions without compromising its internal infrastructure, clean aviation with power-to-X technologies is a viable solution. Within 10 years, Brazil has quickly gone from investigating niche scenarios in its remote areas to be at the forefront for clean aviation on a global scale.

Through a strategic partnership with Brazil, the International Power-to-X Hub organised a training session with stakeholders from the Brazilian industry and representatives from the Brazilian Development Bank BNDES to discuss the economic, technological and regulatory aspects of up-scaling SAF. At the same, the participants engaged in a joint visioning process and created ideas and partnerships for a defossilitation of the aviation sector. It is one of the many training courses for PtX in aviation, the International PtX Hub offers its partners as one of the many steps into a global energy transition.

Contact person Anna Jakobsen

Project description

International PtX Hub work with our partners in the public and private sector to leverage the potential of PtX technology to defossilise and decarbonise industries and economies.

» Start - PtX Hub

Publication Highlights Best Practices for Gender Equality in the Energy Sector

Over four years of partnership, we've learned how to help shape a more inclusive and diverse sector

Women in Science Seminar: Inspiring Generations at the Ministry of Mines and Energy (MME), at which the publication was launched @ MME/Ricardo Botelho

After four years of promoting diversity, equity, and inclusion (D&EI), the BMZ Energy Systems of the Future Project has compiled a set of best practices to strengthen their impact in the Brazilian energy sector. The publication "Gender Equity in the Brazilian Energy Sector: Challenges and Good Practices" features initiatives such as the creation of committees and affinity groups in public institutions, strategic planning support, and the development of a women's network. It also presents an overview of female participation in the sector, offering up-to-date data for institutions looking to implement D&EI actions.

The publication was launched during the seminar "Women in Science: Inspiring Generations", organized by the Ministry of Mines and Energy (MME), the project's political partner and a key implementer of several featured practices. Two additional resources were also released: Guide to Inclusive Events and Governance for Women's Networks, further supporting inclusive and equitable transformation in the sector.

Contact person Paula Scheidt

Publication cover @ GIZ

Project description

The project Energy Systems of the Future aims to improve the conditions for integrating renewable energy sources into the Brazilian energy system and for increasing the country's energy efficiency.

» Future-proofing Brazil’s energy systems

Further information

Publication website:

» Estudos e Publicações — Ministério de Minas e Energia

» Guide to Inclusive Events

» Governance for Women's Networks

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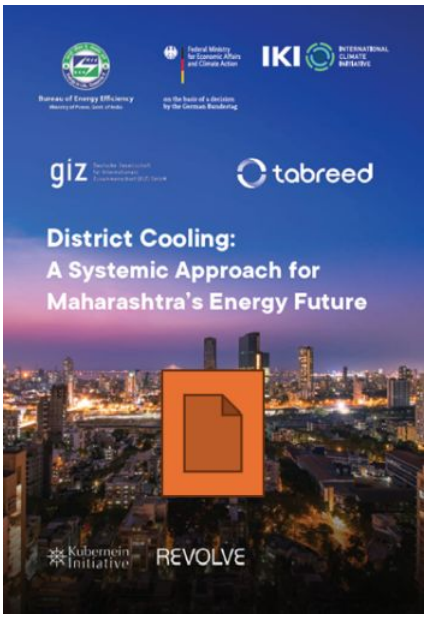
Beating the Heat – Potentials of District Cooling for Maharashtra, India

Participants viewing District Cooling Model © GIZ India

To promote sustainable cooling, the EE-Cool India project, in collaboration with the Indian Bureau of Energy Efficiency (BEE) and Tabreed India, held the third Regional Workshop on ‘Cooling India’s Cities’ in Mumbai on 4th of March 2025. The event focused on Maharashtra’s rising cooling demand —projected to grow by 15–20% annually—and brought together 80+ stakeholders from government, industry, and academia. Key discussions covered the potential of district cooling systems (DCS), enabling policy frameworks, and strengthening public-private partnerships. With Heat Action Plans and the Mumbai Climate Action Plan, Maharashtra is positioning itself as a leader in energy-efficient, low-carbon cooling, with DCS offering up to 50% energy savings.



Titlepage Report ‘District Cooling: A Systemic Approach for Maharashtra's Energy Future’ © GIZ India

Further information

» DCS_Maharashtra Report.pdf

Ms. Ilka Hirt, Deputy Director General, International Policy, BMUKN, emphasized that sustainable cooling is a global priority. “The transition to sustainable cooling is not just a national priority but a global imperative. Through the International Climate Initiative, we are committed to supporting India in adopting energy-efficient cooling solutions that align with global climate goals.”

Contact persons Nitin Jain and Lena Kliesch

Project description

The Energy Efficient Cooling Project is funded by BMWE under the IKI. The project supports the implementation partner, the Indian Bureau of Energy Efficiency (BEE) under the Indian Ministry of Power in the acceleration of the adoption of sustainable cooling practice, specifically District Cooling.

Advancing Indonesia’s carbon market through electricity sector

Carbon Accounting training with PLN to support Indonesia’s carbon market advancement © PLNUPDLJakarta/2025

Supporting Indonesia to advance in its domestic emissions trading while also gearing-up towards the global carbon market, GIZ facilitated capacity development on Carbon Accounting for the State Electricity Company (PLN). As the electricity distribution monopoly, PLN is central in carbon market advancement. The training aimed to equip PLN with basic-intermediate knowledge on carbon accounting as a vital aspect for the company’s business process. Organised on 15 – 17 April 2025, the training was participated by 30 persons onsite and more than 2,000 persons online.

To fulfil the country’s climate goals, Indonesia has carried out measures on decarbonisation and emissions trading system is among the priority strategies. Through the

Carbon Accounting training to support Indonesia's carbon market advancement © PLNUPDLJakarta/2025

implementation of Carbon Economic Value (NEK) the government promotes market-driven decarbonisation strategy by putting a price on carbon and enabling emitters to engage in trading. The electricity subsector has emerged as a frontrunner, preparing for the 2nd phase of the emissions trading system.

Contact person Rizma Kristiana

Project description

Strategic Exploration of Economic Mitigation Potential through Renewables (ExploRE) is a project jointly implemented by GIZ and the Indonesian Ministry of Energy and Mineral Resources.

» Strategic Exploration of Economic Mitigation Potentials through Renewables (ExploRE) - giz.de

Govt. of West Bengal Started Green Cooking Initiative with a Live Demonstration

India

Inauguration of Green Cooking Technology Showcase in Kolkata @ GIZ India

A two-day technology demonstration event was organized by the Department of New and Renewable Energy Sources (NRES), Govt. of West Bengal, in partnership with GIZ India on 28–29th of April in Kolkata. Solar rooftop-powered e-stoves were used to cook mid-day meals for students. Alongside the demonstration, NRES held brainstorming sessions with departments, agencies, technology providers, and development banks such as KfW and NABARD.

The event supported the implementation of GIZ's Integrated Energy Plans (IEP) program, which helps partner states, including West Bengal, design and implement Green Cooking initiatives in schools, Anganwadis, hostels, canteens, and more. This initiative aims to lower operational costs, reduce carbon emissions, and support the state's energy transition.

The event was inaugurated by Shri Barun Kumar Ray, Additional Chief Secretary, NRES, and Mr. Manoj Mahata, Energy Advisor, GIZ India, in the presence of Md. Ghulam Rabbani, Honourable Minister, NRES.

Contact person Manoj Mahata

Project description
» Facilitating India's move towards renewable energy solutions - giz.de

Earth Hour 2025 and Humans of Energy Transition

Viet Nam

Children and parents pedalled to light up the event's "I'm for NET-ZERO" LED board © GIZ

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. Two key outcomes are the Earth Hour Event and the impact stories video.

This year's Earth Hour event at Hoan Kiem Lake, Hanoi was more than just a call to turn off the lights - it was a vibrant celebration of community action for sustainability. Families, students, and businesses came together in a festival of energy efficiency, renewable energy and environmental awareness, reinforcing Viet Nam's commitment to Net-Zero emissions.

Humans of Energy Transition - VIET NAM © GIZ

More on the project impact in the linked video. 7 human stories, 1 shared goal: for a just energy transition.

Each video will feature a story about individuals from Viet Nam who are directly or indirectly involved in the energy transition process. The stories in this video series aim to help the audience better understand the ongoing changes and their impact on daily life.

Contact person Vu Chi Mai

Further information
» Home - CASE for Southeast Asia
» 7 human stories, 1 shared goal

• • • EUROPE • • •

Exploring the Future of the Sustainable Energy Transition

Energy colleagues explore developments and synergies at Intersolar Europe in Munich Europe

Colleagues setting up the BMZ booth at the Intersolar Europe © GIZ

GIZ and the German Federal Ministry of Economic Cooperation and Development (BMZ) proved to be a key partner for the worldwide sustainable energy transition at this year´s Intersolar Europe - the leading exhibition for the solar industry which attracted more than 100.000 visitors.

To explore synergies with the private sector, a booth organised in close cooperation with the Business Scout at BSW solar, and supervised by GIZ´s Energy Policy Support Programme, DeveloPPP, GET.invest and BMZ´s divisions for Energy and Business Networks acted as anchor for interested companies seeking consultancy on the possibilities of private and public cooperation. Moreover, partner delegations- from Bosnia-Herzegovina and the International Solar Alliance amongst others- explored pathways for strengthened partnerships with the BMZ.

The representing colleagues took part in the various formats offered by the exhibition. This included the Off-Grid Conference, discussing affordability, digitalization and more to explore future perspectives of off-grid systems, with EnDev participation among the speakers (for more details please see the following article: “eCooking: Sector Coupling in Action”). Moreover, networking forums organised by the Indo-German Business Cooperation in Solar Energy and Storage, and WomenEnergizeWomen, were utilised to establish valuable connections in the industry.

Contact persons Mara Braun and Kerstin Linden

Further information
» Intersolar Europe – Start
» Off-Grid im Rahmen von The smarter E Europe

Keeping the lights on in Ukraine

Donations from German companies delivered to Ukraine

Workers are unloading the transformer © GIZ

WEMAG Netz GmbH has donated a high-voltage transformer to Ukraine, boosting electricity supply for around 85,000 people. This aid comes amid ongoing energy shortages caused by Russian strikes and supports efforts to stabilize the grid during seasonal heatwaves and repair works. The donation is part of a broader initiative by the German-Ukrainian Energy Partnership under the “Just Transition & Green Energy Sector Recovery Ukraine” project, led by GIZ Ukraine on behalf of Germany’s Federal Ministry for Economic Affairs and Energy (BMWE).

German companies have already provided 22,000 energy-related goods, benefiting 1.2 million Ukrainians. Stuttgart Netze, for example, has supplied transformers powering homes, hospitals, schools, and key infrastructure for nearly 7,000 people. These efforts highlight the vital role of international support and technical expertise in rebuilding Ukraine’s energy sector amidst the crisis triggered by Russia’s full-scale invasion.

Contact persons Karin Franzen and Helen Naser

Project description
The donation campaign is managed by the German-Ukrainian Energy Partnership within the “Just Transition & Green Energy Sector Recovery Ukraine” project, implemented by the GIZ Ukraine on behalf of the Federal Ministry for Economic Affairs and Energy (BMWE).
» The German-Ukrainian Energy Partnership | Energy Partnership Ukraine

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No Grids, No Glory: Powering the Western Balkans’ Green Transition

A New Course for Energy Security
Albania, Bosnia and Herzegovina, Kosovo, Montenegro, North Macedonia, Serbia

"No Grids, No Glory – Powering the Transition" © Maja Janevska-Ilieva/GIZ

At the 3rd Regional Power Sector Exchange in Ohrid, North Macedonia, over 80 energy professionals from across the Western Balkans gathered to address one of the region's most pressing challenges: modernising power grids to support the clean energy transition.

Organised under the Regional Climate Partnership of Germany and the Western Balkans, the event highlighted that without updated, interconnected, and flexible electricity networks, renewable energy goals will remain out of reach. Recent blackouts across Southern Europe underscore the urgency of grid investment. With tailored support to regulators, operators, and ministries, through the support of the GIZ project „Green Agenda of the Electricity Sector in the Western Balkans,", the region is supported in a rapid green transition power by Renewables. As Project Manager Nicolas Heger summed up: "No grids, no glory."

Next Generation Stepping into Solar © Maja Janevska-Ilieva/GIZ

With Phase 2 of the project underway, efforts to support the power sector to integrate more RES based on regional cooperation will continue.

If you have any questions or ideas for cooperation in terms of RES technologies, regulatory frameworks or market approaches applied in the Western Balkans, feel free to contact the AV, Nicolas Heger.

Contact person Nicolas Heger

Project description

The project is modernising Western Balkans' power grids to support renewable energy integration, addressing outdated coal reliance, and promoting sustainable, climate-friendly energy transitions across the region.

» Greening Power Grids in the Western Balkans - giz.de

GIZ Algeria’s Energy Portfolio Scales Up

GIZ Algeria's energy portfolio celebrates the achievement of several milestones in supporting Algeria’s national climate and energy ambitions

Co-financing signature ceremony for TaqatHy+ © HiveDigit

On 14 April 2025 in Algiers, “TaqatHy+” co-financing was launched, marking a key stone in the support of the country’s energy transition. Co-funded by the European Union and Germany with a total of €28 million and carried out in collaboration with the Ministry of Energy, Mines and Renewable Energy, the project supports the market development for solar and wind energy, green hydrogen, and energy efficiency. Earlier, on 27 March, the second phase of the ”Communes Vertes” project was launched.

10th anniversary of the DZA-DE Energy Partnership © EPDZA

Catering the (digital) energy management of the 1,541 municipalities, it also focuses on local capacity-building. 2025 also marks the 10th anniversary of the “Algerian-German Energy Partnership”, celebrating a decade of a strong bilateral cooperation on sustainable energy and Hydrogen. Together, these projects reflect a shared, long-term commitment to a more sustainable and resilient energy future for Algeria.

Contact person Elisabeth Gager

Project description

The Energy Portfolio of GIZ Algeria includes TaqatHy+ for green tech and socio-economic development for EnR, GH2 and EE, Communes Vertes II for energy use in Algerian municipalities, and the Algerian-German Energy Partnership, enhancing bilateral energy cooperation.

Further information

» GIZ Algeria#CommunesVerte#GLIN#BMZ#MICLAT

» GIZ Algeria#Taqathy

11th Tunisian German Energy Day: Advancing bilateral cooperation in policy, investment, and innovation

: Key political decision-makers from the energy sectors of Tunisia and Germany © Tunisian German Energy Partnership, GIZ Tunisia | Photographer Mr Abdelhak Messaadi

Tunisia and Germany have set ambitious goals to advance the energy transition and achieve climate neutrality. At the heart of these efforts is the Tunisian-German Energy Partnership, fostering political dialogue, strategic cooperation, and joint action for decarbonization, investment, and energy security. A key milestone was the 11th Tunisian-German Energy Day, held on May 20 in Tunis, bringing together decision-makers from politics and business. Discussions focused on energy policies, renewable energy investments and demand side management.

The 11th Tunisian German Energy Day, May 20, 2025, Tunis © Tunisian German Energy Partnership, GIZ Tunisia

The event reaffirmed both countries' commitment to strengthening the partnership and emphasized the importance of boosting investments, ensuring energy supply and protecting the environment. Achieving these goals requires accelerating reforms in land use, simplifying administrative procedures, improving investment conditions, and digitalizing services. High-level meetings with State Secretary Ouael Chouchene (MIME) and Deputy Director-General Dr. Dorothea Schütz (BMWE) offered German companies a platform to express interest in Tunisia and explore business opportunities.

Contact person Anne Persicke

Project description

The Tunisian German Energy Partnership is commissioned by the German Federal Ministry for Economic Affairs and Energy (BMWE) and the Tunisian Ministry of Industry, Mines and Energy (MIME), and implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

Further information

The conference was organized by GIZ Tunisia, on behalf of the German Federal Ministry for Economic Affairs and Energy (BMWE) and the Tunisian Ministry of Industry, Mines and Energy (MIME), in partnership with the Tunisian-German Chamber of Industry and Commerce (AHK).

• • • GLOBAL • • •

How PEEB is unlocking climate finance for buildings with Article 6 – and how you can get involved

Morocco (and others)

Morocco is a frontrunner in both Article 6 and sustainable buildings © Al Hoceima / Unsplash

Article 6 of the Paris Agreement has a large potential to mobilise financing for the buildings sector.

Still, the buildings sector, accounting for 34% of energy-related CO_2 emissions, is lagging in climate finance. Partnership for Energy Efficiency in Buildings (PEEB) is working with countries to scale up climate action on buildings under Article 6.

Cityscape of Singapore, a buyer country under Article 6 © Shawn Ang / Unsplash

In 2025, PEEB will develop a handbook and a training on how to develop Article 6 projects on buildings. We will also support Morocco, a frontrunner in Article 6 and buildings, to identify and develop suitable projects. Further countries can be supported on this, please get in touch.

Are you interested in shaping a white paper that will become a practical Article 6 handbook for policymakers and developers? Join our technical session on 17 June in Bonn! Designed for use across different country contexts, the final version will be presented at COP30 in Belém, with all contributors acknowledged. Contact us for more information.

Contact persons Anna Zinecker and Willy Alarcón

Further information
» PEEB – Transforming the building sector
» Unlocking climate finance for buildings with Article 6: Seven things you should know - PEEB – Transforming the building sector

Empowering the Youth for a Cooler, Sustainable Future

Global

Students of State University of Bangladesh participate in a rally to raise awareness about the importance of green cooling © GIZ BD/ Asif Ahmad Udoy

As global temperatures rise, the urgency to adopt sustainable cooling solutions grows. To address this, the Green Cooling Initiative (GCI) III project in Bangladesh initiated a series of green cooling awareness campaigns across universities in Dhaka. The campaign started at Stamford University and extended to State University, Dhaka Polytechnic Institute, and BRAC University, engaging over 300 students.

Each session featured vibrant rallies, expert panel discussions, and hands-on group exercises. A key highlight was the diverse panel discussions, where policymakers, manufacturers, academics, and youth leaders shared insights on adopting eco-friendly cooling technologies, innovative practices in the field, career opportunities in the growing sector, and the role young people can play as promoters of sustainable practices. Through these events, a new generation of climate champions explored actionable solutions to overcome barriers in green cooling adoption.

Contact person Shanin Muntaha

Project description
Green Cooling Initiative (GCI) III is a global project supported by the German Federal Government (BMUKN) and implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)

jointly with the Department of Environment in Bangladesh. It aims to promote the use of natural refrigerants and energy-efficient cooling systems, known as the "green cooling approach".

Further information
» Green Cooling Initiative - Home

Empowering, connecting, succeeding: Launch of the West African Women in Energy Forum

Inclusion of Women in the Energy sector

Illustration of women professionals of the energy sector © World Bank group & © ForWE

The West African energy sector is undergoing a historic transformation with the launch of the Forum for Women in Energy in West Africa (ForWE). Initiated in March 2025 by the West African Power Pool in partnership with the World Bank and GIZ, ForWE marks a strong commitment to integrate women in a sector still largely dominated by men. Its ambition: to pave the way for a new generation of female leaders in the West African energy industry.

By providing career resources, educational courses, mentoring opportunities and networking, ForWE offers women professionals, students and entrepreneurs in the energy sector multiple opportunities to break down barriers and to support their pathway to leadership positions. Public and private electricity companies, professional associations, universities and international organizations are invited to join the drive to build a fairer and more inclusive energy sector, in which women play a full part.

Contact persons Sonja de Souza and Brunelle Padonou

Project description
The project supports the ECOWAS institutions WAPP, ERERA and ECREEE in operationalising a regional electricity market. The objective is to improve the institutional, technical, legal and regulatory conditions for the energy sector in the ECOWAS member states.
» Promoting a climate-friendly electricity market in West Africa - giz.de

Further information
Kindly subscribe to ForWE LinkedIn page and turn your notification button on, to stay on touch regarding upcoming activities and events.

The Solar Photovoltaic Integration Study and Capacity Building

A Regional Approach to Reliable and Sustainable Solar Energy

OECS member states: Antigua and Barbuda, Dominica, Grenada, St. Kitts and Nevis, St. Lucia, and St. Vincent and the Grenadines

Participants of the PV integration Study: First Capacity Building Session © GIZ

With rising fuel costs, pollution and increasing climate vulnerability, Caribbean islands must transition to cleaner, more resilient energy systems. To support this shift, the Solar Photovoltaic Integration Study and Capacity Building Initiative is underway across six OECS member states: Antigua and Barbuda, Dominica, Grenada, St. Kitts and Nevis, St. Lucia, and St. Vincent and the Grenadines.

Supported by the OECS Commission, CARILEC, the European Union, Get.Transform and Energynautics, the project assesses how much solar PV each country can reliably integrate, considering technical, economic, and regulatory factors.

The first capacity building session, held in Miami in early May 2025, fostered open dialogue among utility representatives. Participants shared insights, connected with peers, and helped shape the study's scope to reflect their national contexts. By strengthening local expertise, the initiative empowers utilities to lead their own PV integration efforts; marking a key step toward a more resilient and sustainable energy future for the Eastern Caribbean.

Contact persons Clemens Findeisen and Kasumi Yasuoka

Project description
Euroclima is the EU's flagship initiative that promotes sustainable development and climate action in Latin America and the Caribbean. Co-funded by the European Union and the BMZ.
It is part of the EU's Global Gateway strategy, which prioritizes investments in renewable energy across the region.

Pitch Perfect

Latin American Delegations Showcase PtX Projects on European Roadshow

A business delegation from the Latin American Power-to-X sector visit the site of ThyssenKrupp as part of a LATAM roadshow co-organised by H2Uppp © GIZ

In mid-May, a delegation of over 50 professionals from 35 institutions in Argentina, Brazil, Chile, Colombia and Uruguay spent a busy week travelling around Germany and the Netherlands, engaging with important figures in Europe's green hydrogen industry. The roadshow was organised by H2Uppp.
In cooperation with the German Chambers of Commerce Abroad (AHK), the roadshow aimed to:

- promote green hydrogen projects from Latin America
- build strategic connections with European companies, investors, and off-takers
- foster the development of new sustainable businesses
- promote international cooperation for the energy transition.

During the tour, the delegates participated in matchmaking activities, visited industrial sites in Germany, and met with business promoters. They also attended the World Hydrogen Summit in Rotterdam, taking part in a networking reception and a matchmaking session at a LATAM side event. These were co-organised by H2Upp.

Contact person Detlev Tenzer

Further information
» H2Uppp - PtX Hub

Energy Efficiency in Kenya and Battery Storage in Vietnam: Addressing Local C&I Needs with German Energy Solutions

New studies show how German solutions can help local C&I companies stabilise energy supply, cut costs and meet climate goals
Vietnam | Kenya

PDP's new energy efficiency & BESS publications © GIZ

To support climate-friendly energy transitions in emerging markets, the Project Development Programme (PDP) has published two new studies highlighting how German solution providers can partner with local C&I companies in Kenya and Vietnam to address energy supply challenges, reduce costs, and advance shared climate goals — creating value for both sides.

In Kenya, the guide outlines the regulatory and financing environment for energy efficiency projects, highlighting untapped savings potential, compliance challenges, and business models for Energy Service Companies (ESCOs). German providers can offer technical expertise and services to close the implementation gap.

The Project Development Programme (PDP) addresses the rising demand of climate-friendly energy solutions by connecting stakeholders. How does this work? Find out in the new video. © GIZ

In Vietnam, the analysis focuses on battery energy storage systems (BESS) for C&I users dealing with unstable power supply and rising sustainability demands. With the market still in its early stages, there is strong potential for German SMEs to offer tailored, reliable storage solutions that support renewable energy integration.

Both studies provide practical guidance for developing bankable, climate-friendly projects in cooperation with local businesses.

Contact person Domenica Edriss

Project description
The Project Development Programme (PDP), as a key pillar of BMWE's German Energy Solutions Initiative, operates at the intersection of development cooperation and private sector engagement. The PDP team collaborates with the C&I sector in developing countries to develop climate-friendly energy projects in the fields of electricity & heat supply, energy efficiency, and green hydrogen. It provides cost-free advice to local companies, facilitates connections with solution based in Germany, and promotes market development through trainings, studies, and reference projects.

Further information
» 2025 Kenya: Regulatory Framework and Financing Guide for C and I Energy Efficiency Projects (PDF, 0,43MB, EN)

» 2025 Sector Analysis Vietnam: Battery Energy Storage Systems in the Commercial and Industrial Sector (PDF, 1,34MB, EN)
» Project website: Advancing climate-friendly energy solutions

eCooking: Sector Coupling in Action

EnDev at Intersolar 2025

Veit Göhringer speaking about eCooking approaches in energy access at Intersolar 2025 © Solar Promotion

eCooking is gaining momentum as a key strategy for sector coupling. At this year's Intersolar, the multi-donor partnership Energising Development (EnDev) showcased how smart approaches to eCooking unlock synergies between energy access, climate goals, and poverty reduction.

As over a billion people have gained electricity access in the last decade, the foundation is set for a transition from polluting fuels to efficient appliances like induction stoves or electric pressure cookers.

Learn how EnDev is working in

The cost of eCooking appliances and the affordability of electricity play significant roles in adoption. Providing financing options, subsidies, special tariffs or pay-as-you-go models can make eCooking solutions more accessible to lower-income households.

"For countries developing their energy systems, electric cooking helps leapfrog towards grid- and mini-grid-based access and long-term poverty reduction." Veit Göhringer, Advisor on Electrification at EnDev at Intersolar 2025. EnDev promotes eCooking not only at household level, but also in institutions like schools and health centres, combined with supply-side support such as mini-grids or grid

transforming the way of cooking © Netherlands Energy Enterprise, RVO

densification. In countries with weak infrastructure, EnDev supports eCooking roadmaps and market development.

Contact person Veit Göhringer

Project description
Energising Development (EnDev) is an international flagship programme for providing energy access. The driving force behind EnDev is the partnership of Germany, the Netherlands, Norway, and Switzerland.
» Energising Change - EnDev

Further information
EnDev's work on clean cooking: » Transforming the Way of Cooking - EnDev

Bolivia and Germany strengthen alliances for national energy development

Global

Vice Minister of Planning and Energy Development of Bolivia attends one of the panels of the "Berlin Dialogue for Energy Transition" (BETD25 © GIZ Bolivia

A Bolivian delegation, composed of representatives from the electricity sector and the "Strengthening the Energy Transition in Bolivia" (ProTransición) program of the German Cooperation Agency (GIZ), traveled to Germany to :

- strengthen government alliances to continue working for Bolivian energy development
- participate in the "Berlin Dialogue for the Energy Transition" and
- visit companies such as Enertrag, Siemens Energy, DNV, and the Euref Campus to promote innovation in the incorporation of renewable energy, energy efficiency, and electric mobility in the country.

This trip reaffirmed the support of the German Federal

Bolivian delegation with representatives of the German Federal Ministry for Economic Cooperation and Development (BMZ) © GIZ Bolivia

Ministry for Economic Cooperation and Development (BMZ); in addition, the delegation strengthened its technical work approach by learning about the experiences of other countries and visiting leading German companies in energy transition initiatives.

Based on these experiences, ProTransición will continue to strengthen its work and commitment to contribute to a sustainable and inclusive energy future in Bolivia.

Contact person Claus-Bernhardt Johst

Project description
ProTransición promotes Bolivia's sustainable and inclusive energy development by improving the financial, operational, and technical conditions of the electricity sector.

Further information
» FactSheet ProTransición

PUBLICATIONS

Electricity 2025 - IEA
February 2025
The report, Electricity 2025 by the International Energy Agency, examines the significant growth in global electricity demand driven by the electrification of buildings, transportation, and industry, and increasing use of air conditioners and data centers. It provides a detailed analysis of trends, policy developments, and forecasts for electricity demand, supply, and CO2 emissions from 2025 to 2027. The report also explores the impact of weather-dependent energy sources, resource adequacy, and the methods needed to ensure power system security and reliability. This edition includes a special focus on China's power demand and negative wholesale electricity prices in some markets.
» Electricity 2025 - IEA

Global Energy Review 2025 - IEA
March 2025
The 2024 Global Energy Review shows a faster-than-average rise in global energy demand, led by the power sector. Electricity demand increased due to higher cooling needs, industrial consumption, transport electrification, and data centre growth. Most of the rise in electricity demand was met by low-emissions sources, including record solar PV expansion, other renewables, and nuclear power. Gas demand rose significantly, while oil and coal consumption increased more slowly. CO2 emissions from the energy sector grew, but at a slower rate than in 2023, partly due to record-high temperatures. Rapid adoption of clean energy technologies is limiting emissions growth, avoiding 2.6 billion tonnes of CO2 emissions per year.
» Global Energy Review 2025 - IEA

Unlocking Ukraine’s Hydrogen Opportunity: A Roadmap – IEA
March 2025
The report defines four different pillars in different time stages required for the reconstruction of the Ukrainian Energy sector and offers a roadmap to enable a renewable hydrogen opportunity. The war in Ukraine has heavily damaged the energy sector, causing a power deficit and an 80% drop in

hydrogen demand. Reconstruction costs are estimated at over USD 0.5 trillion. Rebuilding the energy sector including low-emissions hydrogen in the Ukrainian industry sector offers a chance to improve energy security while simultaneously reducing GHG emissions and enable an export-oriented industrial base.
» Unlocking Ukraine's Hydrogen Opportunity: A Roadmap – IEA

Clean Energy Transitions Programme Annual Report 2024 - IEA
March 2025
The Clean Energy Transitions Programme (CETP) by the IEA is focused on accelerating clean energy transitions in emerging economies. Since its inception in 2017, the CETP has played a vital role in tackling the diverse challenges of energy transitions across the globe, fostering partnerships and providing tailored and actionable solutions. In 2024, it secured USD 2.2 billion for clean cooking in Africa and advanced clean energy policies in Indonesia and Brazil. CETP also contributed to global platforms like COP and G20, addressing critical areas such as energy efficiency, climate resilience, and investment mobilization.
» Clean Energy Transitions Programme Annual Report 2024 - IEA

The State of Energy Innovation – IEA
April 2025
The "State of Energy Innovation" report on global energy innovation assesses recent advancements and challenges in energy technology. It reviews trends in public and corporate R&D spending, venture capital flows, and technology demonstrations across 34 countries, highlighting a shift towards low-emissions, modular, and mass-manufactured technologies. The report launches 18 "races" to accelerate progress in key areas and discusses new policy approaches to enhance public funding effectiveness while addressing barriers to scale-up and attracting private capital. Focus chapters cover battery mineral supply diversification, AI applications in energy innovation, and carbon dioxide removal technologies, providing data to guide policy makers and industry stakeholders.
» The State of Energy Innovation – IEA

Energy and AI - IEA 2025
April 2025
AI's development is energy-intensive, with data centers consuming significant electricity—some as much as 100,000 households, with larger ones under construction expected to consume 20 times more. By 2030, electricity consumption by data centers is projected to more than double to around 945 TWh, driven primarily by AI and other digital services. This growth will be met by renewable energy sources and natural gas, with renewables contributing over 450 TWh and natural gas expanding by 175 TWh. The "Energy and AI" report applies new global and regional models and datasets including support from public and private entities to project AI's electricity consumption over the next decade and identifies energy sources to meet this demand. Furthermore, the report examines the implications of AI adoption for energy security, emissions, innovation, and affordability.
»Energy and AI - IEA 2025

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Please visit » Job and careers

Current Vacancies

» Arua, Uganda: Development worker (FiED) as advisor to strengthen decentralised energy planning (German only)
Job-ID:V000061993
Application Deadline: 06/09/2025

» Eldoret, Kenya: Civil Peace Service (CPS) Advisor (m/f/d) - Environmental peacebuilding and dialogue
Job-ID:V000060624
Application Deadline: 06/11/2025

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 Devleopment & 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

» The Global Energy Transformation Programme - GET.Pro

» Energising Development – EnDev

» Energypedia

» REN21

» IRENA

» IEA

» SE4ALL

» Powering Agriculture (energypedia.info)

» German National Hydrogen Council (NWR)

IN A NUTSHELL

LinkedIn-Channel of the Bilaterale Climate and Energy Partnerships is live!
The Bilateral Climate and Energy Partnerships are now on LinkedIn! Follow the new LinkedIn page to stay informed about latest projects, events, and international cooperation activities in the fields of

climate and energy - with a focus on promoting a sustainable, economically sound, and secure energy transition.

In Dialogue for the Energy Transition- Joining Forces to Accelerate the Global Energy Transition
GIZ and BMZ presented Germany as a reliable partner in the international sustainable energy transition at this year´s Berlin Energy Transition Dialgoue (BETD) on the 18th and 19th of March. Interested colleagues from around the world gathered at the BMZ booth to discuss renewable energy projects and cooperation. The representing colleagues attended the official conference programme- including high-level speakers like the former ministers Annalena Baerbock and Robert Habeck, Kevin Kariuki (AfDB) and Francesco La Camera (IRENA). They also participated at side events for example on Green Skills, Energy Storage and financing and more. Stefan Mager (Head of Department, G310 – Energy, Water, Transport) shared a more personal perspective in his LinkedIn post on the attendance of the conference:
» Stefan Mager: BETD

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