

## Energy Newsletter



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

**Dear readers,**

The last weeks have once again shown us the dramatic consequences of unchecked climate change. Further exacerbated by El Nino, large parts of humanity are struggling with an unprecedented heat wave. June 2023 was the warmest on record, and July is likely the warmest Earth has experienced in about 120,000 years. Heat waves are among the deadliest natural hazards, and climate change is making them increasingly deadly. Globally, at least 300,000 people die each year from extreme heat. It will take months - once death certificates are collected and scientists can analyse the excess deaths - to know the full extent of human suffering the current wave caused. As with tipping points, the effects of climate change on heat extreme heat events come sooner than long thought. Recent studies show that periods of temperature and humidity conditions at which human life is no longer possible (wet-bulb temperature of 35 °C) have already been reached in recent years. Albeit so far only for a short time. But the duration and frequency of these periods are increasing drastically in some regions in direct correlation to global warming. India, Bangladesh, Pakistan, northwestern Australia, the coastal areas of the Red Sea and the Gulf of Mexico, and California are particularly affected. Our thoughts are with families and friends of the thousands of victims of the apocalyptic floods in Libya.

Despite this gloomy outlook, international climate policy has not yet made any real progress in 2023. The preliminary negotiations for the World Climate Conference in Bonn clearly showed the rifts between fossil fuel producing countries and importers. The G20 energy ministers' meeting in India in July ended without increased RE targets and also without a final communiqué. The issue of financing is a major point of conflict. The challenges are enormous. According to the latest joint IEA and IFC report, annual clean energy investment by emerging and developing economies needs to increase to \$2.2 - 2.8 trillion by 2030 and remain at that level through 2050 to align with the Paris Agreement. Currently, we are at \$770 billion (even only \$260 billion excluding China). Low- and middle-income countries account for only 7% of global clean energy spending. Correspondingly the available concessional funding must be used even more than before to mobilize as much private capital as possible for RE and EE investment. This requires tremendous innovation - also from the side of Technical Cooperation.

We are therefore increasingly focusing our work in the energy sector on making a significant contribution. While leaving niches aside, we are focusing on topics that quickly lead to a reduction in CO2 emissions, such as the massive spread of low-cost solar and wind as well as energy efficiency among large fossil consumers.

We are happy, once again, to share with you some of our recent relevant activities in this Newsletter and wish you an insightful read!

**André Eckermann**

**Head of Competence Centre Energy and Transport**

**Mike Enskat**

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

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- » Ukrainian Government developed a Basis for Green Reconstruction

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- » Green Innovation Triumphs: Empowering Local Communities through Sustainable Tech
- » 2000MW tender closed - Big step forward for solar power in Algeria
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- » EnDev has a vision that truly leaves no one behind
- » Green Cooling Summit 2023 - Green Cooling along the Cold Chain
- » H2Uppp launches new Call for Proposals for public private cooperation projects with companies!
- » Launch of the JET-CR Communities of Practice - a significant milestone in accelerating the Just Energy Transition
- » Methane mitigation: a relatively quick and affordable climate fix
- » Renewable PtX Trainings bookable now!

**PUBLICATIONS**

**GIZ JOB OFFERS**

**INFORMATION AND LINKS**

## UPCOMING EVENTS

**12 September to 15 September 2023**

AU Specialized Technical Committee on Transport, Transcontinental and Interregional Infrastructure, and Energy

Zanzibar, Tanzania

**20 September 2023**

Climate Ambition Summit | United Nations

New York

**18 September to 29 September 2023**

UN General Assembly

New York

**18 September to 19 September 2023**

SDG Summit 2023 | High-Level Political Forum at General Assembly

New York

**25 September to 28 September 2023**

IRENA Innovation Week

Bonn, Germany

**09 October to 10 October 2023**

AFSIC investing in Africa Conference & Expo

London

**19 October to 20 October 2023**

26th Council Meeting IRENA

Abu Dhabi

**23 October to 24 October 2023**

Climate Chance Summit Africa

Yaounde, Cameroon



••• AFRICA •••

## Will the minister come?

Sitting, Waiting, Wishing



### Handing over of responsibility

The Ministry of Energy took over the responsibility of solar power infrastructure provided by the German Cooperation through the Green People's Energy Project. The handing over was witnessed by the Country director of GIZ Mrs. Regina Bauerochse-Barbosa, Mrs. Ramona Simon, representing the German Embassy and Ing. Seth Mahu, representing the Ministry of Energy, who officially declared the project closed.



Handing over of responsibility to our partner – it's your turn now! © GIZ

I was humming a tune by Jack Johnson "Must I always be waiting on you?" while waiting for the minister in the hotel lobby before our big event. As usual, his mobile phone is switched off, and nobody in the office seems to know his whereabouts. Later, the director called and informed me that the minister was indisposed. Oh dear, I didn't want to imagine it. That settled it: our ambassador won't come either. I had to call him quickly, or he would complain later that he had come for nothing.

However, the director arrived, followed by the WZ-2 and our LD. The dancers and drummers commenced their performance while the speeches were delivered with unwavering commitment and passion. It is unfortunate that our project ended after the event. But my partners will be able to manage on their own; at least they were honest about it. It was already dark when I went home with



Jack Johnson "Good people".

Contact person [Rafael Wiese](#)

### Project description

The initiative Green People's Energy for Africa aims to improve the conditions for decentralised energy supply in selected sub-Saharan African countries with the participation of citizens and companies.

» [Home - Green People's Energy for Africa \(gruene-buergerenergie.org\)](#)

### Further information

» [Solar clinics improve rural living conditions - Green People's Energy for Africa \(gruene-buergerenergie.org\)](#)



## Bringing improved cookstoves to scale

Professionalisation kits enable improved cookstoves (ICS) producers via tools and business development support to increase their production capacity



Handing over of items of the professionalisation kit at Lydia Production Centre, Kiambu County Kenya © EnDev/GCF

The project "Promotion of Climate-Friendly Cooking: Kenya and Senegal" has so far supported over 100 ICS producers by equipping them with a professionalization kit, which includes hand tools, manual and electric machines, and personal safety equipment. These kits have improved the efficiency of the production process, from stove design to assembly. Additionally, the project provides business development support, such as marketing training and assistance with financial document development to facilitate long-term scale-up of production.

By the end of the project, more than 350 ICS producers will receive the professionalization kit and achieve sustainable market growth in Kenya and Senegal. This will also support both countries in reducing their GHG emissions by 6.47 Megatons of CO<sub>2</sub> equivalent and reaching their NDC targets.

To learn about the stove production process in both countries, visit our website (see below: “Further information”).

**Contact person** [Sarah Thomas-Parensen](#)

### **Project description**

The “Promotion of Climate-Friendly Cooking: Kenya and Senegal” project is contributing to reducing Green House Gas (GHG) emissions and improving people’s – and especially women’s – living conditions by transforming the improved cookstoves (ICS) markets in both countries, to achieve a sustainable long-term market growth. This will be done by addressing key barriers and using a holistic market-based approach. Through this, the project also supports the Government of Kenya and Senegal in realizing their potential of emission reduction for reaching their energy sector specific NDC targets until 2030.

» [Promotion of Climate-Friendly Cooking: Kenya and Senegal – EnDev](#)

### **Further information**

» [EnDev and GCF show how to produce a climate-friendly cookstove](#)



## A socio-economic impact assessment of Energy Solutions for Displacement Settings in Kenya



Helen Etabo, a shopkeeper connected to Kenya’s Kalobeyei host town mini grid ©GIZ Kenya

The Energy Solutions for Displacement Settings Project conducted a midline study on the socio-economic impact of its interventions in Kenya’s Turkana West Sub-County. The study, carried out between October 2022 and February 2023, presents the immense outcomes of high tier electricity supply on productive use of electricity (PUE), employment creation and Green House Gas footprint reduction. The findings highlight the correlation of electricity access to health, education, protection, food security and the peaceful coexistence of refugees and host communities.

Minigrids development has increased access to modern energy with study findings indicating that



households' electricity access had improved from 7% in the baseline (conducted in early 2021) to 32% at midline stage. With more private developers in the vicinity, and ongoing cooperation with the host government to ensure inclusive and enabling energy policies, PUE is expected to rise in Kakuma and Kalobeyei which is home to approximately 264,239 (43%) refugees and asylum seekers in Kenya.

**Contact persons** [Veronica Nkooyio](#) and [Wilkista Onyango](#)

### **Project description**

The Energy Solutions for displacement Settings Project is a component of BMZ globally commissioned programme support to UNHCR in the Implementation of the Global Compact on Refugees in the Humanitarian -Development-Peace nexus (SUN).

» [ESDS Country Portrait Kenya - Factsheet](#)

### **Further information**

PUE, a refugee story:

» [Empowering Entrepreneurs: How Reliable Electricity Transformed Bakaniboha Moise's Juice Business. - YouTube](#)

» [How Clean Energy Empowered Hellen's Entrepreneurial Journey in Kalobeyei, Turkana - YouTube](#)



## **USE in Mombasa, Kenya: The Urban Smart Energy Revolution**

Installing Smart Energy Meters for a Sustainable Future with the Covenant of Mayors (CoM SSA)



Installation briefing at Longo ECD with the school administration, GIZ staff and county members © Shamsa Samir, GIZ Kenya

Mombasa has made significant strides in sustainable energy. As part of the CoM SSA initiative, smart meters have been strategically placed in ten buildings within the County Government premises. This installation represents a major advancement in Mombasa's Urban Smart Energy (USE) process. USE, a specialised product for local governments, thoroughly examines all city-

operated energy-consuming properties. Its goal is to identify ways to reduce energy costs for the administration, cut GHG emissions, and improve the infrastructure's resilience through solar PV and energy efficiency measures.

These meters provide access to public buildings' high-quality, real-time electric load data. The acquired data is crucial for offering private sectors and financiers legally, technically, and economically risk-free project pipelines. Such clean energy projects are estimated to reduce 2,400 tons of CO<sub>2</sub> with an investment of 2.2 million euros.

This pivotal move further bolsters Mombasa's pursuit of sustainable energy solutions and encourages investment from the private sector.

**Contact persons** [Martin Baltes](#) and [Robert Kirchner](#)

### **Project description**

Urban Smart Energy (USE) is a standardised support product for local governments in Sub-Saharan African countries under the CoM SSA initiative. It assesses the potential of local government's real estate portfolios for sustainable energy projects, including solar PV and energy efficiency. USE offers private sector entities and financiers fully documented, legally, technically, and economically risk-free project pipelines ready for due diligence and subsequent construction and operation.

### **Further information**

» [Programme website: CoM SSA | Home](#)

You can read more information on USE: » [Powering Africa's Future: Leading the Energy Transition with CoM SSA- Urbanet and the Smart Energy Meters in Mombasa CoM SSA](#)



## **New tool to support renewable energy companies**

Result Based Reimbursement Facility for biodigesters in Kenya

GIZ Kenya has developed an innovative tool: a Result Based Reimbursement (RBR) Facility. An RBR is an implementation modality that enables reimbursements to an enterprise who assumes responsibility for achieving predefined project results. It is derived from Result-Based Financing using GIZ service contracts. The RBR facility for small-scale biodigesters (0 to 50 m<sup>3</sup>) is the core instrument of the African Biodigester Component in Kenya to support the installation of 20,000 biogas units.



The unique features of RBR facility include:

- No advance payment, reimbursement is only done upon verification of results by a third party
- Taxes are paid by the company directly, they are not retained by GIZ
- No invoicing, no commercial eligibility check, no audits
- No fund manager taking 30% of the fund budget, GIZ is the direct fund and contract manager.

**Contact persons** [Evelyn Munihu](#) and [Florent Eveille](#)

### **Project description**

The ABC project in Kenya (2022 – 2025) aims at facilitating a shift of biodigester market from pioneering to expansion phase focussing on the installation of over 20,000 small-scale (0 to 50m<sup>3</sup>) and 250 medium scale (50 to 500m<sup>3</sup>)



- » [Woman biogas entrepreneur forging change in Kenya – EnDev](#)
- » [Increasing biodigester functionality for clean cooking in Kenya – EnDev](#)

#### Further information

- » [African Biodigester Component - ABC | RVO.nl](#)



## Tackling a major bottleneck to enabling affordability of solar PU in Kenya

Adoption of modern energy in Kenya is growing, but why is the financial sector still not offering better financing solutions?



Strong partnerships deliver successful results ©GIZ Kenya

The access to finance (A2F) bottleneck has been attributed to limited technical expertise and lack of experience; to tackle this issue, the SEFFA team is carrying out skills and knowledge development as well as sensitization activities for local financial intermediaries (FIs). The aim is to increase the understanding and knowledge of PUE technologies, risks associated and stimulate strategic product development leading to an increase in affordable consumer financing products and access for end users.

In detail, the team is piloting consumer financing models for solar powered irrigation systems (SPIS) targeting smallholder farmers and MSMEs. To cooperate with FIs, the team has entered into five Integrated Development Partnerships with the Private Sector (iDPP) with Taifa SACCO Society, Faulu Micro Finance Bank, K-REP Fedha Services, Pamoja Digital Financing and DigiFarm – a diverse representation of the local finance sector to pilot customised credit models.

The GIZ Energy & Mobility CoP is organizing a session on A2F for PUE on September 15th 2023, join us to know more about our activities in Kenya.

### Project description

The three-year project Sustainable Energy for Smallholder Farmers in Ethiopia, Kenya and Uganda (SEFFA) being implemented under the umbrella of the global program Energising Development (EnDev) is piloting productive use of energy (PUE) business cases in the horticulture and dairy value chains. The regional project, which is co-financed by the IKEA Foundation and implemented by GIZ, SNV and RVO, was kicked-off at the beginning of 2021 and is now thriving.

» [Sustainable Energy for Smallholder Farmers in Ethiopia, Kenya and Uganda \(SEFFA\)](#)

### Further information

» [Energising Development \(EnDev\)](#)

» [Taifa SACCO society](#)

» [Faulu Micro Finance Bank](#)

» [K-Rep Fedha Services](#)

» [Pamoja Digital Financing](#)

» [DigiFarm](#)



## Mozambique Publishes Sub-Regulations for Off-Grid Energy Supply

Regulator ARENE releases new set of mini-grid regulations developed in partnership with GET.transform



Off-grid energy supply often comes in the shape of rooftop solar PV © istock/natgrass

Mozambique has released a new set of regulations for scaling access to off-grid energy. The government published the regulations as developed and approved them by Mozambique's Energy Regulatory Authority, ARENE. They complement the country's wider regulatory off-grid framework which had been issued in December of last year and provide vital building blocks for Mozambique's endeavour to increase private sector investment and scale up electrification. GET.transform was



grateful to be among the expert partners ARENE selected for developing the framework and sub-regulations.

The current guidelines include tariff regulation for mini-grids and rules that define the terms, conditions and procedures applicable to the interconnection of mini-grids to the national grid. The set also establishes technical and security standards for electrical equipment and regulates the quality of services and commercial relations.

Having these robust regulatory conditions will allow businesses to derisk their planning and investment and ultimately contribute to the socio-economic development in the country.

**Contact** [Enrico Dal Farra](#)

### **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 and supported by the European Union, Germany, Sweden, the Netherlands, and Austria.

» [GET.pro](#)

» [GET.transform – Transforming Energy Sectors Globally](#)

### **Further information**

» [Mozambique Publishes Sub-Regulations for Off-Grid Energy Supply](#)



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## New GET.invest paper on financing and scaling Productive Use of Energy

Decentralised renewable energy generation and market investment are vital to securing global energy supplies and achieving net zero by 2050



Productive use of energy is widely recognised as a potential contributor to economic development © Sure Chill

In a new paper, the GET.invest Finance Catalyst experts have taken a closer look at financing and



scaling productive use of (renewable) energy (PUE), which is widely recognised as a potential contributor to economic development.

Stemming from the same body of research as a previous (August 2022) GET.transform paper, the GET.invest publication emphasises the underlying financing challenges for PUE projects and companies in all application contexts, including urban, rural, industrial and food value chains. It finds that scaling challenges around financing PUE instruments originate from a mismatch between financier requirements and the business structure of PUE initiatives. The paper also presents recommendations that financiers and investors can integrate into their PUE approaches to better support the growth and financial sustainability of the sector.

Over 35 current investors, lenders and capacity-building providers were interviewed to complement the GET.invest Finance Catalyst's experience in providing technical advice on PUE.

**Contact persons** [César Gimeno](#)

### **Project description**

GET.invest is a European programme that mobilises investment in renewable energy, supported by the European Union, Germany, Sweden, the Netherlands 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 website](#)

### **Further information**

Link to GET.invest paper: » [Financing and Scaling Productive Use of Energy](#)

Link to GET.transform paper: » [Energy for Rural Industrialisation – Productive Use of Energy 2.0](#)

» [GET.invest Finance Catalyst](#)



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## Empowering Energy: Inaugural Gender Fair and Conference

Diversity and Collaboration in Togo's Energy Sector



Women and girls in renewable energy in Togo © GIZ/MAONO

In Togo, more than 250 representatives from solar companies, women's cooperatives, universities and government agencies came together for the first national gender fair and conference on the 24-25 May 2023. The fair also highlighted 40+ sector exhibitors.

The event was organized by the gender unit of the Energy Ministry, with support from the “Rural Electrification” project. It promoted the Ministry’s gender equality goals and strived to interest more women to engage professionally in the energy sector.

The conference brought together sector representatives and university and high school students, providing a unique dialogue platform on the theme of gender and women in the energy sector. Female technicians and entrepreneurs shared their experiences and expressed their views, stressing the importance gender mainstreaming strategies.

The event garnered enthusiastic participation from the participating stakeholders and was widely covered in the national media. That way the impact of the event went beyond the present participants.

**Contact person** [Valentin Hollain](#)

#### **Project description**

» [Promoting rural electrification in Togo - giz.de](#)



## ••• AMERICAS •••

### Improving quality of life through energy efficiency in social housing in Mexico

Energy savings and enhanced daylighting, natural ventilation, and thermal comfort conditions in self-production housing



Juan Manuel's family outside their refurbished home in Guanajuato, Mexico © DKTI Vivienda

Juan Manuel and his family were living with overheating and very limited natural light in a 59m<sup>2</sup> home in Guanajuato, Mexico. By energy efficiency measures, thermal comfort was improved and energy savings of 27% were achieved.

Through a participatory approach, Habitat for Humanity Mexico, implemented an energy refurbishment pilot of 32 houses in different climate zones in Mexico, via a self-production process, where families are in control for the construction and improvement decisions in their homes, based on their habitability needs and available resources.

Energy modelling results suggest that bioclimatic design, the use of reflective finishes, solar water heaters, efficient lighting, and solar shading devices, could reach up to 33% in energy savings and a mitigation of 951KgCO<sub>2</sub>/home/year.

These results provide information to expand the scope of the current self-production programmes in Mexico by including a sustainability dimension, ensuring their replicability through public policy at national level.

**Contact person** [Liliana Campos](#)

### **Project description**

Habitat for Humanity Mexico – with the support of the Energy Efficiency and Renewable Energy in Existing Social Housing in Mexico programme of GIZ Mexico – implemented a pilot project to identify technically and financially viable energy efficiency solutions in self-production housing processes. The programme is commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ) and implemented by GIZ Mexico.

### **Further information**

» [Habitat for Humanity Mexico](#)

» [The Energy Efficiency and Renewable Energy in Existing Social Housing in Mexico Programme](#)



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## **Bolivia advances in the energy transition**

Bolivian Electricity Sector Expansion Plan





Qollpana wind farm. Cochabamba, Bolivia © PEERR/GIZ

The energy uncertainty regarding the future makes the forecast of energy demand a key element for the development of strategies that govern energy planning. In this context, it is important that electricity demand projections help in decision-making to ensure that the electricity system operates and expands efficiently, in accordance with the requirements of resilience, quality and reliability of the market.

In this sense, GIZ, through its Renewable Energy Project, assists the Bolivian government in the elaboration of the "Expansion Plan of the Bolivian Electricity Sector" for 20 years, with short, medium, and long-term objectives, which implies carrying out a planning study that improves the institutional, legal, technical, and economic conditions of the electricity sector.

This integrated expansion plan allows to meet the growing demand, the expansion of the network and the flexibility of the National Interconnected System, given the high penetration of generation projects with clean energy, which allows to consolidate the change of the energy matrix of Bolivia and reach its full development to achieve a first energy transition.

**Contact person** [Michael Mechlinski](#)

#### **Project description**

» [Mayor uso de energías renovables \(giz.de\)](#)

#### **Further information**

» [Renewable Energies in Bolivia - energypedia](#)



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## 1st Latin American Conference for Gender Equity and Energy Transition

CEGEN LAC 2023 attended by more than 1.600 participants



The participants of the CEGEN LAC Conference © GIZ Chile

Latin America and the Caribbean is one of the regions most vulnerable to climate change, and its effects could trigger major impacts on the population. An energy transition in line with the times must consider all the associated political, economic, social and environmental variables, emphasizing those segments most affected – thus, the inclusion of the gender perspective is fundamental.



[Link to Documentation CEGEN LAC 2023 Latin American Conference](#)

In this context, the Energy Partnership Chile-Germany together with the Chilean Ministry of Energy, the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and the Economic Commission for Latin America and the Caribbean (ECLAC) organized on the 10th of May 2023 the 1st Latin American Conference CEGEN LAC 2023 (Capacities for Change, Empowerment, Gender and Energy), whose objective was to create spaces for reflection and discussion on the educational, economic and academic participation of women in the energy sector in the region.

The event was led by Michelle Bachelet, former President of Chile, and experts from the whole region. The event's program included among others talks and panels on topics such as gender, human rights, labour, climate change and STEAM education. More than 1600 participants from private sector, politics & academia took part in this conference.

2nd CEGEN LAC will take place 2024 in Mexico.

**Contact person** [Daina Neddemeyer](#)

### **Project description**

The German-Chilean Energy Partnership became operational in April 2019. It is being implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH on behalf of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and the Chilean Ministry for Energy (ME).

### **Further information**

» [The German-Chilean Energy Partnership](#)



## Dominican-Cuban delegation participates in Smarter E Europe in Munich, Germany

Sixteen energy experts from both countries participated in Europe's largest energy economy platform



Participants at the Smarter E Europe 2023 © Proyecto Transición Energética, GIZ

Last June, a Dominican-Cuban delegation composed of 16 representatives of the electricity sector travelled to Munich (Germany) from the 11 to the 17 June to attend the Smarter E Europe 2023 event.

This platform included conferences, side events and four trade shows focused on renewable energies, decentralisation and digitalisation of the energy industry, as well as technological trends in the photovoltaic industry and energy storage, and the latest technologies for electric vehicle charging.

The agenda focused on topics of interest to the electricity sector in the Dominican Republic and Cuba. Attendees participated in conferences and meetings related to the development of renewable projects, technologies in photovoltaic systems, energy storage, electric flexibility, hydrogen and electric mobility.

The delegation also had a guided tour on energy storage, as well as side events related to the market for renewable projects in Latin America and the Women Energize Women campaign.

**Contact person** [Yderlisa Castillo](#)

### Further information

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



Mexico will have the first green ammonia plant in the state of



## Campeche

The plant, which is expected to start operations in three years, will be able to produce 170,000 tons of green ammonia



Signing of Marengo I agreement in Campeche © SEMABICCE

Marengo I, the first green ammonia plant in Mexico will be made possible through cooperation between the public and private sectors of both Germany and Mexico.

Marengo I will boost the economic development of the southern region, specifically of Campeche that has access to the Gulf of Mexico, by generating around 1,000 jobs during the construction phase, and 100 jobs for the operation of the plant. It will also serve as an example to accelerate the application and feasibility of green hydrogen in Mexico and Latin America. The H2Uppp project of GIZ Mexico, commissioned by the Federal Ministry for Economic Affairs and Climate Action (BMWK), facilitated discussions between the public and private sectors involved that led to the signing of two feasibility agreements, one with MexCo and Hy2Gen with an estimated investment of 1 billion for the plant, and the other with GIZ Mexico; as well as technical studies and feasibility studies that consider nature-based solutions (NBS).

**Contact person** [Lorena Espinosa](#)

### **Project description**

H2Uppp project of GIZ Mexico helps to develop markets for green hydrogen technologies, especially in developing countries and emerging economies, through partnerships with business and public-private pilot projects.

» [Promoting hydrogen projects in developing countries and emerging economies: H2Uppp - giz.de](#)



# Bangladesh's textile sector

German Providers Find Opportunities in Bangladesh's Growing Renewable Energy Market



Roof-top PV system at Knit Concern Limited, Bangladesh © GIZ/ Film Noir Bangladesh

Bangladesh's industrial sector embraces photovoltaic (PV) solar power as a solution to its energy, climate, and cost challenges, while at the same time offering new opportunities for German PV providers in an untapped renewable energy market. A recent success story is the installation of a 262 kWp rooftop solar system at Knit Concern Limited, a major textile company. This move not only reduces energy costs but also aligns with the climate goals of international customers like H&M. With ten to thirteen hours of daily sunlight, PV power becomes an attractive option for the entire industry, particularly amid the global energy crisis and gas shortages.

Ever wondered how a PV project unfolds in Bangladesh? Join our colleagues and the project partners in our latest reference project video on their journey of successful project development. Gain insights into what drives us as well as the partners and the crucial support systems that make it all possible.

**Contact person** [Domenica Edriss](#)

## **Project description**

As part of the German Energy Solutions Initiative of the German Federal Ministry of Economics and Climate Action, PDP promotes climate-friendly energy solutions in 15 partner countries. It develops implementable renewable energy projects by creating win-win situations by identifying local companies, assessing their energy demand, and proposing a business case to potential German suppliers.

- » [Klimafreundliche Energielösungen voranbringen - giz.de](#)
- » [Das Projektentwicklungsprogramm \(PEP\) BMWK](#)

## **Further information**

- » [German Energy Solutions - PDP reference project Bangladesh: 261.8 Solar system for Knit Concern Limited \(german-energy-solutions.de\)](#)

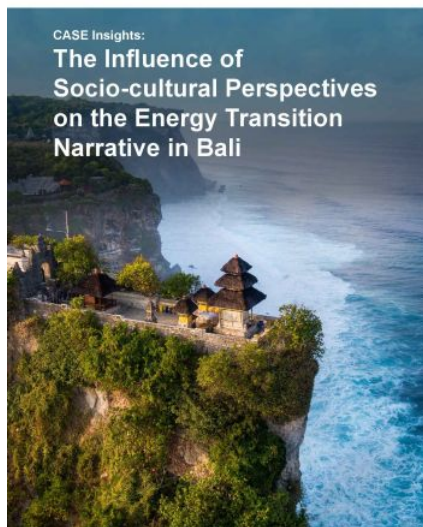






## CASE Insights from Indonesia

The Influence of Socio-cultural Perspectives on the Energy Transition Narrative in Bali



Cover page the influence of socio-cultural perspective ET Narrative in Bali © CASE Indonesia

The Covid-19 pandemic has provided momentum for sustainable economic recovery initiatives to accelerate energy transition. As one of Indonesia's most impacted regions, Bali has the potential to support sustainable economic recovery by prioritising energy transition, in particular through solar PV development. It is imperative to consider not just technological innovation, but also the accompanying socio-cultural adjustments. This will facilitate community involvement, promote a sense of belonging in communities, and ensure a just and inclusive energy transition.

**Contact** [CASE Indonesia](#)

### Project description

» [Promoting evidence-based narrative of energy transition in Southeast Asia \(giz.de\)](#)



## Media Coverage on Energy Transition in Indonesia: Narrative or Framing?

An insights from Indonesia's Energy Transition News Report 2020 - 2022



A group of six panellist of the energy transition symposium pose for a photo © CASEIndonesia



The Clean, Affordable, and Secure Energy for Southeast Asia (CASE) project in Indonesia, has released a media monitoring analysis report on the country's energy transition progress. Covering January 2020 to December 2022, the report analysed over 11,000 news articles on Indonesia's electricity sector. Findings presented at the Energy Transition Symposium event showed the Just Energy Transition Partnership (JETP) mechanism was the dominant topic in the media, and that male figures were among the top 10 media darlings.

The report also revealed 68% of news came from press releases, issued by state actors and other energy players, emphasising the importance of delivering messages and developing narratives, that capture the technical aspects of the stories. The report provides a foundation for CASE's future strategies and plans and can be used to integrate the narrative of energy transition within Indonesia's Long-Term Development Planning Documents.

**Contact person** [Gandabhaskara Saputra](#)

### **Project description**

» [Promoting evidence-based narrative of energy transition in Southeast Asia](#)



## Empowering Women in China's Energy and Climate Sector

Women's Network Event as Part of China's Energy Conservation Week Communication Campaign



Participants of the network event © Chen Jing/HEIC

On July 7, under the Women in Green Energy Initiative of the Sino-German Energy Partnership, GIZ and China's Hydrogen Energy Industry Committee (HEIC) jointly organised a networking event for women in energy transition and climate action areas. The event created the space to share the challenges and opportunities of women in the industry, discuss potential measures, solutions for women's empowerment, and foster women's potential to improve and accelerate the green energy transition. With the event taking place just three days prior to China's 33rd National Energy Conservation Week (July 10th -16th), the event highlighted the growing female influence in the energy efficiency sector. One of the highlights of the event was that the Women in Green Energy Initiative widened its influence by welcoming a new partner - China's Hydrogen Energy Industry Committee (HEIC). The Sino-German Energy Partnership therefore honored new as well as existing

initiative partners in an awarding ceremony during the networking event.

Since December 2020, Women in Green Energy Initiative has been an open, inclusive platform to raise awareness on women empowerment, connect female professionals and create synergies to foster knowledge exchange and strengthen women's role in China's energy transition. Under the initiative, the GIZ implemented Sino-German Energy Partnership has been organizing network events, mentoring programmes, awareness raising campaigns to support the gender equality and promote a just transition. For more information about the "Women in Green Energy Initiative", please contact Ms. Fangping Weng.

**Contact person** [Fangping Weng](#)

### **Project description**

» [The Sino-German Energy Partnership](#)

### **Further information**

» [Empowering Women in China's Energy and Climate Sector | \(energypartnership.cn\)](#)



## Implementing Solar Irrigation Sustainably

A guidebook for state policymakers on implementing decentralised solar power plants through PM-KUSUM with maximum social, economic, and environmental benefits



Solar Water Pump © GIZ Vipin Singh

Solar-powered irrigation is vital for achieving India's objectives of increasing agricultural productivity, boosting farmer incomes, and reducing emissions. The Ministry of New and Renewable Energy (MNRE) aims to add 30,800 megawatts of solar capacity by installing decentralised solar power plants and solar water pumps through the PM-KUSUM scheme by 2026. Despite progress over the last years, the PM-KUSUM scheme faces certain barriers to reach its target of transforming the Indian agricultural sector. This guidebook provides practical recommendations that can help Indian states achieve the PM-KUSUM scheme's economic objectives while considering both social and environmental sustainability. It provides guidance on how to reduce barriers to finance for states, developers and farmers, how states can pursue sustainable approaches of implementation and



specific measures to maximise social and environmental benefits and identifies areas that require on-ground experiments to generate evidence for policy formulation and a framework to design such pilots.

**Contact person** [Florian Postel](#)

### **Project description**

The guidebook was produced under the bilateral project “Promotion of Solar Water Pumps” that aims to facilitate an acceleration in the deployment and adoption of solar water pumps for productive use in a sustainable manner in India.

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



## Improving Thermal Comfort in Community Buildings in India's Informal Settlements

The Cities Challenge 2.0 reduced indoor temperatures in India by up to 8 degrees Celsius through inexpensive and sustainable methods



The Alufoil blinds are installed on the roof to keep the building cooler during the hot days © GIZ

In informal settlements in the state of Tamil Nadu in India, indoor temperatures can reach up to 40 degrees Celsius, which makes living and working inside not only uncomfortable but also a health hazard. The Cities Challenge 2.0 initiated Urban Living Labs and created five different cost-effective, sustainable thermal comfort solutions for urban childcare centres and other community buildings. One of these solutions are Alufoil blinds, that have a layer of isolating foam and a highly reflective aluminium surface. They are installed in a frame about 30cm above the roof and prevent sunlight and heat from penetrating the building during the day. In the evening by the flip of a lever the blinds are opened, to allow the house to cool down during the colder nights. After the testing period of the Cities Challenge 2.0, the solutions can be upscaled to other community buildings in Tamil Nadu and beyond.

**Contact persons** [Esther Moltie](#) (SP Cities) and [Sudakhar Krishnan](#) ( Smart Cities II)



### Project description

In the Cities Challenge ideas competition innovative solutions for sustainable urban planning and buildings are tested in Urban Living Labs. These are locally embedded small-scale interventions, that make use of community engagement.

» [Cities CHALLENGE | City Transitions global \(city-transitions.global\)](#)

### Further information

Further detail on the interventions in India:

» [India | City Transitions global \(city-transitions.global\)](#)

» [Reducing Heat Stress in India's Informal Settlements \(urbanet.info\)](#)

Further Information on the cities Challenge:

» [Cities CHALLENGE: 2030 Agenda Meets Urban Climate Action - Urbanet](#)



## Supporting the acceleration of low carbon development in Indonesia

Integrating green hydrogen deployment in the National Medium-Term Development Plan



Prof. Dr. Eniya Listiani Dewi from the Indonesia National Research and Innovation Agency (BRIN) giving input and recommendation for the thematic study © GIZ Indonesia

Green hydrogen utilisation is predicted to show an increasing trend, particularly in the energy and transportation sectors. With its abundant potential, Indonesia has a great opportunity to lead the hydrogen market in the Asia-Pacific region. Optimising this untapped potential, ExploRE collaborated with the Ministry of National Planning and the Ministry of Energy and Mineral Resources to initiate a thematic study on green hydrogen development.

Three main aspects anticipated through this study are comprehensive considerations for policy formulation, preparation of regulations in the upstream sector, production, distribution, and utilization, as well as institutional aspects in the green hydrogen utilisation. This study is expected to provide important references for the domestic green hydrogen development plan and the formulation of the National Medium-Term Development Plan (RPJMN) 2025 – 2029. Kick-off meeting of the study was organized on 17th May 2023, and was followed up with a discussion on 20th July 2023 in Jakarta.

Contact person **Dody Setiawan**

### 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 \(ExploRE\)](#)



## Capacity Building & Knowledge Sharing of Energy Management Systems to Municipalities, Institutions and Cities across Punjab and Khyber Pakhtunkhwa

Improving Energy Efficiency and Energy Management Concepts in municipal Services



Awareness Raising Sessions in Punjab & KPK © GIZ

Energy management system (EnMS) is a widely unknown topic in the municipal service sector in Pakistan. On behalf of the BMZ, GIZ Pakistan, through the support of the Association of Development of Local Governance (ADLG), are carrying awareness-raising campaigns throughout municipalities, institutions and cities across the provinces of Punjab and Khyber Pakhtunkhwa. Through GIZ Pakistan interventions, four municipalities are implementing EnMS in the buildings, street lighting, fleet management, and water/sanitation sub-sectors. The success stories and best practices from these municipal champions are promoted nationally and provincially.

We are actively spreading these success stories, and so far, 170 municipalities have been covered with active participation of more than 900 staff members from all cadres.

The interest on EnMS has been phenomenal as more municipalities are expressing the need to improve their service delivery by using digital management techniques, process optimisation tools and energy efficient equipment



© GIZ

selection. With effective implementation of EnMS, they can operate more efficiently while improving their carbon footprint and simultaneously reducing energy expenses.

**Contact person** [Muhammad Omar Qasmi](#)

#### **Project description**

» [Achieving better energy efficiency in Pakistan through better energy management systems - giz.de](#)



## GIZ hosts policy dialogue on rooftop solar development in Viet Nam

Viet Nam



GIZ invites policymakers to discussions on solutions for rooftop solar development in Viet Nam © GIZ Viet Nam

Aligned with the National Power Development Master Plan (PDP) VIII, Viet Nam aims for a half of office buildings and residential houses to adopt self-produced rooftop solar energy by 2030. However, there have been challenges along this journey.

To discuss solutions, GIZ and Viet Nam's government agencies and electricity group hosted a policy dialogue on August 4 in Ho Chi Minh City. The workshop analysed and discussed the country's current status of rooftop solar development and challenges to relevant fire safety management, construction safety for installation and environmental regulations.

In his remark, Mr. Sven Ernedal, Director of GIZ's rooftop solar (CIRTS) project, said, "We will propose the establishment of a JETP solar energy policy dialogue platform for key stakeholders. I hope that today is the starting point for a fruitful discussion on suitable approaches to utilise the benefits of solar energy expansion from now until 2030 in Viet Nam."

**Contact person** [Nathan Moore](#)



## Project description

The Commercial and Industrial Rooftop Solar (CIRTS) Project aims to improve the conditions for a sustainable development of the market. Its priorities are the adaptation of the relevant regulatory and technical regulations, the development of key stakeholder capacities, and the improvement of EVN's information base.

GIZ and the Electricity and Renewable Energy Authority of the Ministry of Industry and Trade jointly implement the CIRTS project. CIRTS is funded by the German Federal Ministry for Economic Cooperation and Development (BMZ).

## Further information

» [GIZ - Commercial and Industrial Rooftop Solar \(CIRTS\) \(gizenergy.org.vn\)](https://gizenergy.org.vn)



# Empowering Viet Nam's Solar Energy Future: International Standard Training Equips Trainers for Rooftop Solar Revolution

A just energy transition demands new skills, and Viet Nam's labor market needs to be well-prepared to embrace this trend



Parameter measurements under normal operating conditions and changing conditions © GIZ/ESP

In June and July 2023, a Training of Trainers course on “Rooftop solar installation in Viet Nam” was successfully organized by GIZ, for 19 teachers from 8 vocational colleges across Viet Nam. The course aimed to improve the effectiveness of vocational training programmes in Viet Nam in accordance with international standards.

“This is an essential course, taking place at a time when we are facing energy shortages for both daily life and business production”, Nguyen Van Chuong, Principal of the Vocational College of Mechnary and Irrigation Dong Nai (VCMI), highlighted. He adds: “Participants in this course will apply the knowledge gained to quickly customise their teaching curriculum at their institutions, meeting the needs and trends of society.”

In this course, participants learnt about advanced solar technology from the EU and were guided on the whole process of building an actual solar PV system project by experienced and qualified trainers.

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.



## ••• EUROPE •••

### Paving the way to decarbonization in the Energy Community *The key role of National Energy and Climate Plans (NECPs)*

Energy Community Contracting Parties including Albania, Bosnia-Herzegovina, Georgia, Kosovo, Moldova, Montenegro, North Macedonia, Serbia, Ukraine



Informal Ministerial Council meeting concluding negotiations on 2030 energy and climate targets in Baden/ Austria in July 2022 © Energy Community Secretariat

The Energy Community (EnC) is an international organisation which aims to extend the EU internal energy market rules and principles to its Contracting Parties (CPs). Most CPs are heavily reliant on coal-generated power, which leads to greenhouse gas emissions and air pollution. Robust policies and targeted measures are needed to facilitate the transition away from coal.

In November 2021, the EnC Ministerial Council adopted the Decarbonisation Roadmap, a political document outlining the sequence of introducing decarbonisation-focused rules in order to put the CPs on a path towards decarbonizing their energy systems and eventually achieving climate neutrality of their economies by 2050. One year later, the CPs adopted national targets for energy efficiency, renewables and reducing greenhouse gas emissions for 2030. By June 2023, CPs had to map out the policies, measures and plans to deliver on their 2030 targets. These were to be submitted as part of their draft National Energy and Climate Plans (NECPs).

Contact person [Anja Rosenberg](#)



### Project description

IKI-financed, the regional GIZ program „Capacity Development for Climate Policy in South-eastern, Eastern Europe, Southern Caucasus and Central Asia, Phase III (CDCPIII)” also supports the development of NECPs in the EnC region together with other regional and bilateral GIZ projects.

Project on IKI website » [Developing capacities for climate policy in Southeast & Eastern Europe, South Caucasus and Central Asia | Internationale Klimaschutzinitiative \(IKI\) \(international-climate-initiative.com\)](#)

Project on GIZ website » [Ambitious climate policy in the countries of South-East and Eastern Europe, the South Caucasus and Central Asia - giz.de](#)

### Further information

The EnC Secretariat and GIZ cooperate on the basis of a Memorandum of Understanding (2019). GIZ CDCPIII also seconds an expert to the EnC Secretariat supporting respective work streams.

» [Energy Community Ministerial Council adopts ambitious 2030 energy and climate targets and electricity market package - Energy Community Homepage \(energy-community.org\)](#)

» [Governance and NECPs - Energy Community Homepage \(energy-community.org\)](#)



## AEEP Forum 2023: Building Bridges for Green Growth

Africa-EU partnership for climate compatible energy access



AEEP Forum 2023 © AEEP

Africa-Europe energy relations are more important than ever, not only to boost economic development in Africa, but also to ensure energy security in Europe and jointly fight climate change. To align on shared priorities and a vision for the future, the Africa-EU Energy Partnership (AEEP) will host the third AEEP Forum on 4 September 2023 as a side event at the Africa Climate Summit, in Nairobi, in Kenya.

For the past 15 years the two neighbouring continents have worked together to secure affordable and reliable energy for all. The successful bi-continental collaboration is already contributing towards the successful implementation of the Continental Power System Master Plan (CMP) and the Africa Single Electricity Market (AfSEM), both pivotal for climate-friendly energy systems.

The AEEP Forum aims to shape discussions ahead of COP28 in November 2023 and contribute to



the achievement of SDG7 and SDG13 in a true partnership of equals.

**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 offers unparalleled insight into political processes and actions driving African and European energy transformation. It fosters dialogue, knowledge exchange, and connections for sustainable energy progress.

» [AEEP | Africa-EU Energy Partnership \(africa-eu-energy-partnership.org\)](#)

### Further information

» [AEEP Forum - Africa-EU Energy Partnership \(africa-eu-energy-partnership.org\)](#)



## German companies united to support Ukrainian energy sector amidst war

Ukraine/Germany



Delivering energy equipment to Ukraine © GIZ

Since the Russian attacks damaged and destroyed the Ukrainian energy infrastructure GIZ set up a donation and procurement campaign to support its repair and reconstruction. GIZ has delivered more than 3800 donated specific energy goods from German companies to Ukraine. The donations such as transformers or specific tools to repair damaged energy infrastructure, have contributed in particular to repair and maintenance of Ukrainian high voltage power grids, which have largely ensured the supply of energy to the Ukrainian population despite ongoing attacks.



Within the framework of the procurement campaign, GIZ procures urgently needed, specific material goods. These goods are intended for the restoration of the Ukrainian power system and are handed over as German emergency aid to Ukrainian energy companies as final recipients.

Both campaigns are supported by the Secretariat of the

**Contact person** [Riccarda Retsch](#)

### Project description

» [The German-Ukrainian Energy Partnership](#)

» [Facilitating a just transition for Ukraine's coal regions - giz.de](#)



## Ukrainian Government developed a Basis for Green Reconstruction

Ukraine



Construction waste utilization Living Planet NGO © Living Planet NGO

The full-scale invasion has caused destruction of buildings and infrastructure. As a result, the Ukrainian government faced a challenging task in the shortest possible time to develop new legislation that would regulate the restoration of buildings and infrastructure, as well as ensure a social standard of quality of life for displaced people.

The Ministry of Restoration of Ukraine supported by the Project has already adopted legislation in the field of technical inspection of destroyed buildings, handling of waste from destruction, and the use of energy-efficient products. The Project by the Ministry's request has also developed the Methodological recommendations for energy-efficient public procurement based on Build Back Better and European Green Deal principles. This creates conditions for the cities affected by the occupation, to solve the problem of removing construction waste, clear the territory and create landfills, which will be used for its energy-efficient recycling. Mentioned legislative regulations and guidelines became the basis for Ukrainian Green Reconstruction.

**Contact persons** [Nataliia Vlasiuk](#) and [Oleksandra Shalina](#)

## Project description

The project is implemented in Ukraine by GIZ GmbH on behalf of the German and Swiss governments to strengthen the energy capacity of the country and ensure regulatory frameworks for energy efficiency in Ukraine are being used to better effect.

» [Raising energy efficiency in Ukraine - giz.de](https://www.giz.de)



## ••• MENA •••

# Green Innovation Triumphs: Empowering Local Communities through Sustainable Tech

HR Technology wins the innovation contest



Photo of the contest © Green municipalities project

During the month of May, the "Green Municipalities" project, in partnership with the Ministry of the Interior, local collectivities, and Territory planning, launched an innovation competition targeting startups. The goal was to create a computer tool enabling calculation of the physical and economic dimensions of solar installations and public lighting, for the benefit of local communities.

The finalists had the opportunity to present their prototypes to a jury composed of representatives from the "Green Municipalities" project. HR TECHNOLOGY stood out and was selected for collaboration within the scope of this ambitious project. Together, they commit to promoting eco-responsible initiatives within cities and municipalities in Algeria.

The "Green Municipalities" project is implemented by GIZ Algeria, in collaboration with the Ministry of the Interior, local collectivities, and Territory planning MICLAT, and mandated by the Federal Ministry for Economic Cooperation and Development (BMZ).

**Contact persons** [Maria Ghozlane](#), [Nadya Salama](#) and [Hamza Ourtemache](#)

## Project description



### Further information

- » [COMMUNES VERTES \(communes-vertes.org\)](https://communes-vertes.org)
- » [Appel à candidatures pour un concours d'innovation](#)
- » [Les startups au concours d'innovation](#)
- » [Les gagnants de notre concours de start-up](#)



## 2000MW tender closed - Big step forward for solar power in Algeria



Opening of bids at the El Aurassi hotel © GIZ

On July 24th, Algeria's renewable energies program took a major step with the opening of bids for a 2000MW tender covering 15 solar power plants. The ceremony took place at El Aurassi in Algiers with the presence of the Minister of Energy and Mines, Mohamed Arkab, stressing the new interest in solar power in this gas and oil rich country.

This tender is managed by Sonelgaz, the state agency for the distribution of gas and electricity. Sonelgaz is a large group that includes subsidiaries producing, buying and selling solar energy. Currently, Algeria boasts an installed capacity of 501 MWc in photovoltaic solar energy. The planned 15 solar plants could quintuple its production by the end of 2024.

Mourad Adjal, CEO of Sonelgaz, used the ceremony to disclose further projects, including the upcoming opening of bids for a 1000 MW call in September 2023, along with the launch of new 3,000 MW tender in November 2023.

**Contact person** [Frank Renken](#)

### Project description

- » [Partenariat énergétique algéro-allemand - giz.de](#)

### Further information

- » [Home | \(energypartnership-algeria.org\)](https://energypartnership-algeria.org)



# Introducing GIZ Algeria's latest project: 'Technology and Socio-Economic Development of Renewable Energies and Green Hydrogen,' now named Taqat'Hy

Algeria



PV and wind turbines Plant in Adrar/Algeria © Taqat'Hy Project

The project was launched on behalf of the Federal Ministry for Economic Cooperation and Development (BMZ), in partnership with the Ministry of Energy and Mines (MEM), and with various local stakeholders such as government agencies, research institutions, the banking sector, private economic actors, and civil society organizations. The project focuses on renewable energies in Algeria, with a particular emphasis on green hydrogen, leveraging the country's significant potential in this field. The goal is to reduce greenhouse gas emissions and stimulate employment opportunities. To achieve this, 'Taqat'Hy' focuses on four main areas:

- Technology transfer and capacity building for the large-scale development of renewable energies
- Improving the conditions for implementing medium-capacity renewable energy projects at both personal and institutional levels, and developing the value chain, including creating a favorable investment climate for renewables.
- Supporting the development of a green hydrogen economy that generates growth and jobs.
- Evaluating and providing an information base on the potential of national applications for green hydrogen / "Power-to-X.

**Contact persons** [Rebekka Hilz D’Bichi](#) and [Nadya Salama](#)

### **Project description**

» [Shaping economic prosperity through renewable energies and green hydrogen - giz.de](#)



## ••• GLOBAL •••

### **EnDev has a vision that truly leaves no one behind**

The programme aims to reach an impressive 36.1 million people by 2025



EnDev will put particular emphasis on the transition to higher-tier cooking (HTC) solutions © Enric Catala Contreras

EnDev is well on track to achieve its targets by 2025. “Even in the face of the difficulties posed by the aftermath of the pandemic and the conflict in Ukraine, we take great pride in acknowledging a remarkable accomplishment that surpasses our initial goals. As we rejoice in this achievement, we recognize that our efforts must persist. We maintain our commitment to advancing energy access, with the aim to reach 36 million individuals by 2025”, said EnDev Programme Director Alexander Haack.

Within the past year, EnDev teams have been fine-tuning their activities until 2025. This (re-)programming predicts that a quarter of all beneficiaries will be from LNOB target groups, and close to 10 percent will gain access to higher-tier cooking solutions. EnDev’s new Demand-Side Subsidies component, for example, focuses on vulnerable populations who are unable to access commercial off-grid solar and cooking markets. This includes partnerships for learning and scale, e.g., with the World Bank.

**Contact persons** [Eva-Maria Brändle](#)

### **Project description**

» [Enabling access to climate-friendly energy supply - giz.de](#)





## Green Cooling Summit 2023 – Green Cooling along the Cold Chain

The digital GIZ flagship event around Green Cooling goes into the third round



# Online worldwide

10 – 11 October 2023

Green Cooling Summit – online – worldwide on the 10th and 11th of October © GIZ Proklima

Did you know that 13% of all food produced gets lost due to ineffective refrigeration?

This is why this year's Green Cooling Summit, jointly organised with the German Environment Agency (UBA), will focus on how to promote Green Cooling along the Cold Chain.

From net-zero emission solutions for transport refrigeration to smart stationary refrigeration solutions, we will explore the latest technologies and best practices that can help making the cold chain more sustainable and climate-friendly.



Green Cooling Summit – online – worldwide on the 10th and 11th of October © GIZ Proklima

Don't miss out on this unique opportunity to gain valuable insights into the latest trends and developments in Green Cooling along the Cold Chain.

Join us on the 10th and 11th of October 2023 online for a comprehensive look at how Green Cooling solutions can help reduce food waste, improve food security, enhance medical cold chains, and contribute to a more sustainable future.

**Contact** [network@green-cooling-initiative.org](mailto:network@green-cooling-initiative.org)

### Project description

The Green Cooling Summit 2023 is jointly organised by the German Environment Agency (UBA) and GIZ Proklima on behalf of the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) and the German Federal Ministry for Economic Cooperation and Development (BMZ).

### Further information

Register here to be part of this year's Green Cooling Summit:

» [Green Cooling Summit - Green Cooling Initiative \(green-cooling-initiative.org\)](https://green-cooling-initiative.org)



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## H2Uppp launches new Call for Proposals for public private cooperation projects with companies!

Global

The International Hydrogen Ramp-Up Program (H2Uppp) from the German Federal Ministry for Economics and Climate Action launched a new Call for Proposals for public-private cooperation projects (PPP) on green hydrogen and Power-to-X (PtX). The program supports the market ramp-up of green hydrogen and PtX in cooperation with the private sector.

German and European companies are invited to submit project ideas for PPPs in green hydrogen and PtX. The submission deadlines for project ideas are September 01, November 01, January 01. You can find more information on leverist.

Nine PPPs that are already in implementation since the start of the H2Uppp program show that the PPP instrument is meeting with great demand. Please check out our leverist site for more details on our PPP projects.

**Contact person** [Regine Dietz](#)

### Project description

H2Uppp is commissioned by the Federal Ministry of Economic Affairs and Climate Action (BMWK) to support the early market development for green hydrogen technologies and applications in developing countries and emerging economies through partnerships with private sector.

» [Promoting hydrogen projects in developing countries and emerging economies: H2-Uppp \(giz.de\)](#)

### Further information

The new call for PPP ideas is open until 01.01.2024 on leverist.de.

» [Call for proposals: H2Uppp Promotion of green hydrogen and its derivatives in emerging and developing countries \(leverist.de\)](#)



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## Launch of the JET-CR Communities of Practice - a significant milestone in accelerating the Just Energy Transition *Germany, Colombia, Chile, South Africa, Indonesia, Viet Nam, Thailand, and Mongolia*

CoPs foster collaboration in coal regions where members strengthen strategies and harvest good practices to implement a just energy transition



Public and private sectors in Viet Nam are actively engaged in discussions on opportunities and challenges in the context of just energy transition © GIZ/ESP

August 10, 2023 – The “Innovation Regions for a Just Energy Transition” Project (IKI JET) announced the launch of the “Communities of Practice” (CoPs), a groundbreaking initiative for knowledge exchange and collaboration. The CoPs aim to support and accelerate the transition from coal-based energy system to the low-carbon, climate resilience energy system and sustainable and just local economies.

Supriono, Regional Assistant of South Sumatra Provincial Government, Indonesia remarked: “We are happy to connect with CoPs to address challenges facing local governments, such as declining fossil fuel production will influence economic development and job creation in the region”.

The CoPs will foster collaboration, reciprocity, network, idea, resource sharing, goal alignment, listening, open & honest discussions, workshops and campaigns among the coal regions in Colombia, Chile, South Africa, Indonesia, Viet Nam, Thailand, and Mongolia. Members of CoPs can strengthen strategies mindset, knowledge and harvest good practices to implement a just energy transition.

**Contact person** [Philipp Schattenmann](#)

### **Project description**

The project supports a just transition away from coal and ensures inclusive and long-term economic development. It also provides appropriate labour and social protection in Asia, Africa and Latin America.

» [Innovation Regions for a Just Energy Transition - giz.de](#)



## **Methane mitigation: a relatively quick and affordable climate fix**

GIZ contributes to fulfilling the Global Methane Pledge (GMP)





A biogas plant at a swine farm in Costa Rica © GIZ / Jose Diaz

The Global Methane Pledge (GMP), a voluntary agreement to cut methane emissions by 30 % by 2030 as compared to 2020, has been signed by 150 countries, including many GIZ partner countries. To achieve the 1.5°C climate goal, methane mitigation is essential, especially in the high emitting sectors waste, agriculture, and fossil fuels. Methane is also precursor to tropospheric ozone, which compromises SDG fulfilment through effects on human health and agricultural productivity.

The GIZ is supporting GMP action through development and application of solutions for methane mitigation in livestock, rice cultivation and waste/wastewater management. Also, circular economy approaches with cross-sectoral mitigation potential through e.g. promotion of biogas generation are being trialled, some of which provide excellent business cases. A new GIZ Methane Business Development Project (GEP) aims to pitch these effective and affordable solutions to GIZ funders and partners. Any thoughts, ideas and comments on the topic are warmly welcome!

**Contact persons** [Patrick Bükler](#) and [Julia Haack](#)

#### **Project description**

The business development project addresses the key concerns of GIZ's business development strategy (BDS) 2023+. It aims to expand GIZ's service portfolio through the systematic establishment and expansion of strategic cooperation and partnerships with global and bilateral actors.

Sorry only internal » [Identification of strategic contributions to the reduction of methane emissions and the Global Methane Pledge \(sharepoint.com\)](#)

#### **Further information**

If applicable; provide links to additional information (websites, social media, etc.). Please do not insert any links in the text!

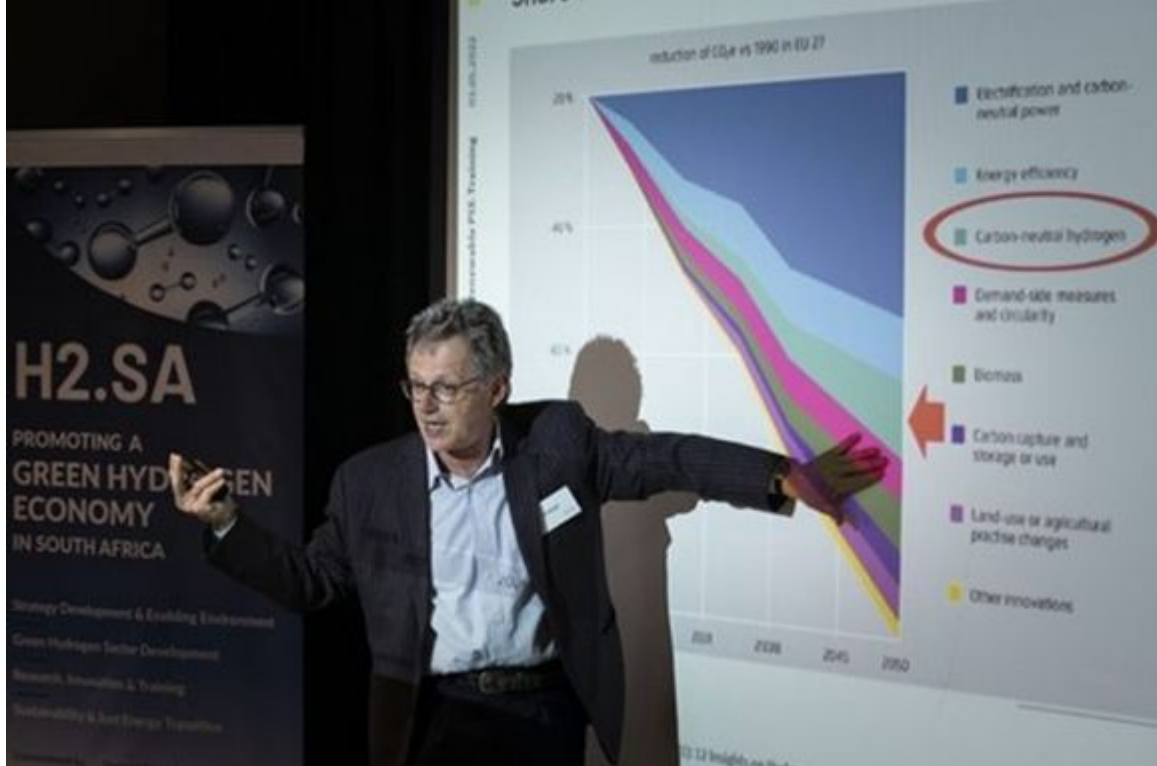
Please join our » [GIZ Methane Community of Practice](#)



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## Renewable PtX Trainings bookable now!

Trainer Pool increases training capacities of PtX Hub



Onsite Training Johannesburg, 2022 © GIZ

The International PtX Hub has extended its trainer network and can now provide Renewable PtX trainings flexibly on demand. Meanwhile we offer a big variety of training and can better adapt to your individual wishes:

- Basic training (Intro, Production, Economics, Infrastructure, Markets, Sustainability, Policies), 1 hour up to 3 days
- Train-of-Trainers, up to 10 days
- Add-on trainings on Certification, PtX Project Finance and Ecosystem Strategy, Sustainable Chemistry in cooperation with ISC3, Aviation, and many more to come, 4 hours up to 2 days.

We have successfully conducted our training in 22 countries with over 800 participants and are now able to offer the trainings not only in English, but also in Spanish and French.

If you are looking for a self-paced online learning, we offer our PtX.Academy Basic Training on the learning platform atingi now as well!

Reach out to us, we are happy to plan a training with you!

**Contact person** [Elisabeth Kriegsmann](#)

### 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, regulatory advice, training, and cross-sectoral stakeholder dialogues, the Hub advocates for PtX approaches promoting sustainable market development.

» [International PtX Hub](#)



## PUBLICATIONS

Tracking SDG7: The Energy Progress Report

The annual Tracking SDG7: The Energy Progress Report tracks global progress towards achieving SDG7. It serves as a guide for policymakers and the international community in promoting energy access, energy efficiency, renewable energy and international cooperation. The report is produced by the following SDG7 co-responsible organisations (SDG7 Tracking Report Custodians): the International Energy Agency (IEA), the International Renewable Energy Agency (IRENA), the United Nations Statistics Division (UNSD), the World Bank and the World Health Organization (WHO), with reviews by SEforALL and other members of the SDG7 TAG.

» [Tracking SDG7: The energy progress report 2023 \(irena.org\)](#)

#### **IEA: Electricity Market Report Update Outlook for 2023 and 2024**

In July 2023, the International Energy Agency (IEA) published the latest edition of its electricity market report, Electricity Market Report Update Outlook for 2023 and 2024, an update of the Electricity Market Report 2023 published in February. The report includes new, updated data for 2022, as well as forecasts for global electricity demand, supply and associated CO2 emissions through 2024. Focus topics include wholesale electricity price trends and the impact of weather on electricity supply and demand. There is a particular geographical focus on China, India, the European Union and the United States. The IEA's Electricity Market Report series has been published since 2020.

» [Electricity Market Report – Update 2023 – Analysis - IEA](#)



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