



## Water, Energy, Transport

# International energy processes

### The challenge

Sustainable energy supply is essential for every society and its dynamic development. Secure and affordable provision of energy is prerequisite for all aspects of everyday life. In particular in developing and emerging countries, energy has an impact on a wide range of issues, such as poverty reduction and the economic development, protection of environment and climate, health and education.

Yet, many people around the world still remain cut off from modern energy supply. 1.6 billion people lack access to electricity and 2.6 billion people rely for their daily cooking on expensive, inefficient and harmful energy sources. Simultaneously, the growth of population and economy is accountable for a continuously rising demand on energy. Scenarios assume that worldwide energy consumption will increase over the next 20 years by up to 50 percent.

To achieve universal energy access and the transition to modern and sustainable energy systems, based on renewable energy and energy efficiency, national processes need to be embedded in an international framework.

### Our approach

Key to success is an international sustainable energy policy, which sets common goals, develops strategies and action plans and enhances sustainable national energy policies.

GIZ actively supports these processes jointly with the international community, regional organisations and partner countries as well as with civil society and the private sector. The global challenges and the world's increasing interconnectedness - also in the energy sector - require comprehensive solutions and global forms of cooperation. An example is the United Nations initiative "Sustainable Energy for All", which enjoys broad support by GIZ. We develop combined and tailored-made strategies for creating beneficial frameworks and institutions that allow for

successful implementation of international and national energy objectives.

Therefore, we rely on our professional, technical and methodological expertise achieved throughout our experiences in international cooperation, and engage with all stakeholders involved.

### Our Services

GIZ services for international energy processes are characterised by its diversity and flexibility:

- We advise governments, ministries and multilateral institutions to create international energy strategies and to develop concepts for their implementation.
- We shape the strategic agenda-setting in the international energy discourse, represent energy issues at international level and structure technical discussions.
- We help to design and to implement institutional and regulatory policy frameworks in the energy sector.
- We identify strategies for new markets and dissemination of renewable energies, as well as to increase energy efficiency.
- We organise conferences, dialogues and platforms for active exchange of experiences in order to facilitate cooperation and mutual learning.
- We support the establishment, further advancement and strategy development of international organisations and initiatives with the aim to promote sustainable energy policies and networks among key players.
- We actively involve the private sector and promote sustainable economic structures.
- We enable partners to identify and to take advantage of existing capabilities by providing our



energy expertise in the form of advice, training and advanced education.

- We inform and sensitise the general public about relevant energy topics to support them in the long run.

### **The benefits**

Our services assist our clients to conceptualise and conduct their activities in compliance with international legislations, guidelines and goals. Energy strategies, tailored to the individual needs, help to reduce dependence on fluctuating energy prices as well as to do business climate-friendly and resource-efficient. That way governments and societies can take full advantage of their opportunities for sustainable development and growth and at the same time contribute to the efforts of the international community to create sustainable energy systems for the future.

### **An example from the field**

In 2004, the German government set a milestone for the international deployment of renewable energies by hosting the International Conference for Renewable Energies in Bonn. As a result, the Global Renewable Energy Network for the 21<sup>st</sup> Century, REN21, was founded in 2005. Furthermore, the International Renewable Energy Agency, IRENA, was founded in 2009.

GIZ dispatched personnel to IRENA in its early stages and took over secretarial functions for REN21 until 2013. We have been significantly involved in both their conceptualisation and setup and continue to substantially support this work to date. Today, REN21 has developed into an independent, registered association with sustainable structures. IRENA has grown into the most important international governmental organisation with an explicit mandate to promote renewable energy globally.

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