



Environment and climate change

Climate change

The challenge

Drought, flooding, storms, heat waves – climate change has already left its mark around the world. Developing countries are particularly hard hit by the negative impacts of climate change. This poses a dual challenge to international climate policy: firstly, to mitigate climate change by reducing greenhouse gas emissions, thus avoiding climate change on a scale that we cannot manage, and secondly to support individuals and ecosystems in adapting to the consequences of climate change such that we can manage the unavoidable impacts of climate change. Both strategies (mitigation and adaptation) further presuppose that developing countries and emerging economies have access to international climate finance.

Our approach

Both reducing greenhouse gas emissions and adapting to climate change call for a transformative change that must build on the combined support of policy-makers, civil society and the private sector. Our work helps bring about this change.

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH implements the climate policy commitment of the German Government and other donors, translating it into practical interventions. We develop climate-specific expertise, foster organisational development and support political change processes in partner countries in order to prepare them to face the challenges of climate change. Moreover, we are creating examples of how both mitigation and adaptation measures can generate a whole series of economic, social and environmental benefits. Since climate change is a cross-cutting issue, of relevance for all aspects of society, we often pursue cross-sectoral approaches, e.g. in promoting private-sector engagement in the field of renew-

able energy, or in adaptation to climate change. We involve a large number of different actors, from local to international level.

Our services

The advisory services we deliver are tailored to the specific situation in a given partner country, and combine services from three fields of activity:

Mitigating greenhouse gas emissions: We advise policy-makers in particular in the fields of low-emission development strategies (LEDS), nationally appropriate mitigation actions (NAMAs), measurement, reporting and verification (MRV), carbon markets and emissions trading systems, as well as elaborating intended nationally determined contributions (INDCs) to a climate agreement for the post-2020 period.

Adapting to climate change: We support governmental and non-governmental actors in accessing and using climate-relevant information, in conducting climate risk and vulnerability analyses, in identifying, prioritising and implementing appropriate adaptation measures, and in establishing systems to specifically monitor and evaluate adaptation measures. We also work with partner countries that are interested in systematically incorporating climate risks in their planning and decision-making processes, e.g. within the framework of their national adaptation plans (NAPs).

Climate financing: We provide needs-driven advisory services to improve the preconditions for developing countries for gaining access to funding available from international climate funds, in particular the Green Climate Fund. Our 'Ready for Climate Finance' approach comprises 1) strategy and policy, 2) institutional framework and good financial governance, 3) access to international climate fi-



nancing, 4) efficient and transparent use of funds, 5) private sector engagement.

The benefits

GIZ has been actively involved in the field of climate change in developing countries and emerging economies for over 20 years. Today, more than 450 projects are operating in a broad range of sectors to mitigate greenhouse gas emissions, and help partners adapt to climate change and gain access to climate financing. Together these projects are worth about 2.5 billion euros, accounting for around one third of GIZ's entire portfolio at present.

We offer a wide spectrum of expertise, outside and inside Germany, and have close cooperation relationships with policy-makers around the globe. Our in-country networks and long-standing experience in dealing with climate-relevant projects enable us to devise solutions that are tailored to the country in question and sustainable in the long-term in a field that enjoys high political status at international level.

In the area of climate change, GIZ can draw on numerous alliances and cooperation arrangements with renowned research facilities, including the Potsdam Institute for Climate Impact Research and the Climate Service Center, other specialist institutions including the German Federal Environment Agency (UBA), and donors such as the World Bank and multilateral development banks. Since we regularly participate in the international climate negotiations on behalf of the German Federal Ministry for Economic Cooperation and Development (BMZ), we have direct contacts to developments and decisions at international level, which we translate into practice with the help of our innovative approaches.

An example from the field

The impacts of climate change are threatening to negate development achievements worldwide. In Peru too, negative impacts can be expected for the economy, which in turn is increasingly jeopardising the country's positive development trend. Against this backdrop, the Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) commissioned GIZ to implement a new project. From 2011 to 2014, GIZ supported Peru's Ministry of Economy and Finance in taking climate risks into account in the planning and implementation of public investments. Peru's public investments amount to approximately 9 billion euros a year, a significant percentage of which is vulnerable to climate risks.

The project has improved the climate information database, developed cost-benefit analyses for adaptation measures, and helped the Ministry explain and illustrate the steps involved in a climate risk analysis in the working aids it produces. The project has also developed e-learning services, new guidelines for project planners and a new expanded manual that comprises step-by-step instructions regarding climate aspects. The effort has paid off: since October 2013 all public investment projects in Peru require a mandatory climate risk analysis. This has already enabled Peru to plan and implement numerous investments on a 'climate-proof' basis. Since July 2013 there has been a regional exchange of experience with other Latin American countries on this issue.

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