



## SECTORAL STUDY ON CLIMATE AND REFRIGERATION TECHNOLOGY IN DEVELOPING COUNTRIES AND THE DEVELOPMENT OF METHODS AND INSTRUMENTS FOR IDENTIFYING REDUCTION POTENTIAL AND IMPLEMENTING NAMAS

As of: October 2021

The project enabled decision-makers in developing countries to estimate their fluorinated greenhouse gas emissions and the potential reductions to be achieved by using alternative technologies such as natural refrigerants. Building on this, the project advised the partner governments on formulating policy regulations for individual industry sectors and on nationally appropriate mitigation actions (NAMAs). In addition, the project developed and tested a method for recording the sector-specific use of halogenated hydrofluorocarbons (HFCs), which are harmful to the climate, and the resulting emissions. A handbook was also produced containing guidelines on preparing NAMAs. The project was piloted in four partner countries, which will act as models for other countries in their regions.

### State of implementation/results

- Project completed
- Method for creating an inventory of HFC emissions in the refrigeration and foam sector developed
- Global guidelines for the development of NAMAs in the refrigeration, air-conditioning and foam sector, divided into ten modules (e.g. technological options, assessment for cooling needs), developed.
- HFC inventories and NAMA development advice in the partner countries
- Thailand: the selection of the RAC NAMA during the second call of NAMA Facility was able to make an important case for natural refrigerants in the region – especially in the context of the highly competitive market regarding the strong F-Gas lobby.
- Columbia's NAMA proposal for domestic

## PROJECT DATA

### Country/Countries:

Kolumbien, Mexiko, Südafrika, Thailand

### Implementing organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

### Political partner(s):

- Department of Environmental Affairs (DEA) - South Africa\*
- Ministry of Environment and Natural Resources (SEMARNAT) - Mexico
- Ministry of Environment and Sustainable Development (MADS) - Colombia
- Ministry of Industry - Thailand

### Implementing partner(s):

- Department of Environmental Affairs (DEA) - South Africa\*
- Ministry of Environment and Natural Resources (SEMARNAT) - Mexico
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### BMU grant:

€ 2,529,534.29

### Duration:

11/2010 till 10/2017





refrigerators, which was developed with technical support from the project, was selected in the third call of the NAMA Facility and is in preparation

- Regional tailored Cool & Foam NAMA Training support interested countries to strengthen their capacity in the RAC&F sector, so far conducted in South Africa, in the Caribbean and in Costa Rica.

