



MANAGEMENT AND DESTRUCTION OF OZONE DEPLETING SUBSTANCES IN ODS BANKS

As of: October 2021

Old cooling devices like refrigerators, air conditioners and foam used to insulate buildings often contain coolants or chemical blowing agents with F-gases. These 'ODS' banks generate a high output of climate-damaging emissions. The project supports its partners in establishing procedures for the recovery, collection and disposal of ODS. As a first step, analyses of the framework conditions, the policy instruments and an inventory of the ODS banks are initially carried out. Building on this, the project formulates national roadmaps that include recommendations on policy measures, sustainable financial mechanisms and a recycling and destruction infrastructure. To implement these recommendations, the project supports help-to-self-help activities and workshops with stakeholders. A technology cooperation component also assesses the capacity for the environmentally-friendly management and destruction of ODS banks and supports the cooperation.

State of implementation/results

- Status-quo analysis of the countries completed
- Study tour for Ozone Protection Officers to German and European ODS Banks, management and destruction technologies and policies organised in October 2015
- A global study on ODS Banks published on Proklima Website (GIZ): "Management and destruction of existing ozone depleting substances banks"
- Presentation "Management and destruction of ODS Banks: Ghana Case Study" at the UNEP-Network Meeting in March 2016
- ODS Banks Workshops for WEEE-Managers in Columbia in April 2016
- Guideline on the Manual Dismantling of Refrigerators and Air Conditioners and training material published in English and Spanish in June 2017
- Development of guidelines on 1) inventory, 2) collection systems, 3) policy measures and 4)

PROJECT DATA

Country/Countries:

China, Dominikanische Republik (Dom Rep), Ghana, Iran, Kolumbien, Tunesien

Implementing organisation:

Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Political partner(s):

- Department of Environment - Islamic Republic of Iran
- Environmental Protection Agency - Ghana
- Ministry of Ecology and Environment - China
- Ministry of Environment and Natural Resources - Dominican Republic
- Ministry of Environment and Sustainable Development (MADS) - Colombia

Implementing partner(s):

- Department of Environment - Islamic Republic of Iran
- Environmental Protection Agency (EPA) - Ghana
- Ministry of Environment, Science, Technology and Innovation (MESTI) - Ghana
- Ministry of Environment and Sustainable Development (MADS) - Colombia
- National Agency for Energy Management (ANME) - Tunisia
- National Agency for the Protection of the Environment (ANPE) - Tunisia

BMU grant:

€ 9,500,000

Duration:

11/2013 till 10/2024

Website(s):

<http://www.giz.de/en/worldwide/30797.html>

Fact sheet:

[Management and destruction of ozone depleting substances \(Englisch | PDF | 355 KB\)](#)





application of the Basel Convention on the Control of Transboundary movements of ODS as well as on manual dismantling of refrigerators and air conditioners finalised and published at the OEWG 39 in Bangkok in July 2017

- Methodology for taking ODS inventories presented in the side event "GHG inventories in the RAC&F sectors - opportunities and challenges for accelerated climate action", OEWG in Bangkok in July 2017
- Development of Inventories in Colombia, Tunisia, Iran, Ghana and the Dominican Republic and their presentations at workshops with partner institutions and stakeholders including industrial representatives
- Development of an e-learning tool based on the global roadmap on ODS banks management
- Demonstration reclaim facilities for refrigerators in preparation
- In September 2017 the ODS Banking Project and the Manual Dismantling guide as well as all other publications of the project were presented at the International Ozone Protection Conference in Bogotá, Colombia
- In October 2017 a study trip was organised for partners from Ghana and Colombia to visit the WRF in Geneva, Switzerland, local refrigerator recyclers and authorities
- The project took part in the WRF international resource conference in Geneva in October 2017 with its own workshop and exhibition stand
- The project short film was published in English and features subtitles in English, French, Spanish and Farsi. The film illustrates the ODS banks problem and was first shown at the WRF in Geneva in October 2017 and at the Conference of the Parties in Montreal (MOP 29) in November 2017
- The paper on "Global banks of ozone depleting substances. An estimate on country-level" was published in its own side event at the MOP29. A review by an independent TEAP scientist is planned for 2018
- The project took part in the Tunis Energy Efficiency Conference in April 2018 at the invitation of the Tunisian Energy Agency (ANME) and made an active contribution to the panel on energy efficiency in buildings
- Project activities and results were presented in 2018 at international regional conferences of the





- Montreal Protocol (OEWG and NOU LAK network meetings)
- The ODS Banks theme and project results were presented at various environmental conferences and meetings (including the World's Leading Water, Wastewater and Raw Materials Management Fair), Waste Water, Waste and Raw Materials Management (IFAT), Energy Efficiency Initiative UN Environment (U4E), E-Waste Academy, StEP-Initiative)
 - Core elements of the ODS Banks Management and the Global Roadmap Tool were presented in a webinar; project partners from Ghana reported on activities and challenges and discussed best practices with the participants
 - The national ODS Banks inventory reports were completed in Colombia, Tunisia, Ghana, Iran and the Dominican Republic; short brochures present and disseminate the results
 - Inventory results from Colombia and Tunisia were presented at the international environmental trade fair (FIMA) in Bogotá, OEWG and of the Latin America NOU network meeting
 - The report "Global banks of ozone depleting substances: A country-level estimate" was published in a second edition after a scientific review.
 - A workshop on inventory and MRV systems in the refrigeration and air conditioning sector was organised from 08.-09.07.2019. The aim of the training was to bring together ozone protection, climate and energy efficiency focal points from selected partner countries and to discuss the development of a sustainable inventory and MRV system in the sector in the context of a NDC strategy.
 - A study on CFC inventory, emissions and elimination options and ODS banks activities in Tunisia was presented during a side event on the Conference of the Parties of the Montreal Protocol in Rome in 11/2019.
 - Two degassing installations were supplied to Colombia, installed and put into operation; 11 technicians of local waste management companies were trained in professional application of degassing installations.
 - A study on the economical feasibility of recycling facilities for cooling devices in Tunisia was conducted.
 - The Tunisian National Roadmap for the





implementation of ODS banks management was presented and responsibilities and next steps discussed on a strategy workshop in Tunis in 02/2020 with more than 50 participants from both the public and the private sectors.

