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# **Implementation of Accelerated HCFC Phase Out in the CEIT Region**

**(Belarus, Tajikistan, Ukraine, Uzbekistan)**

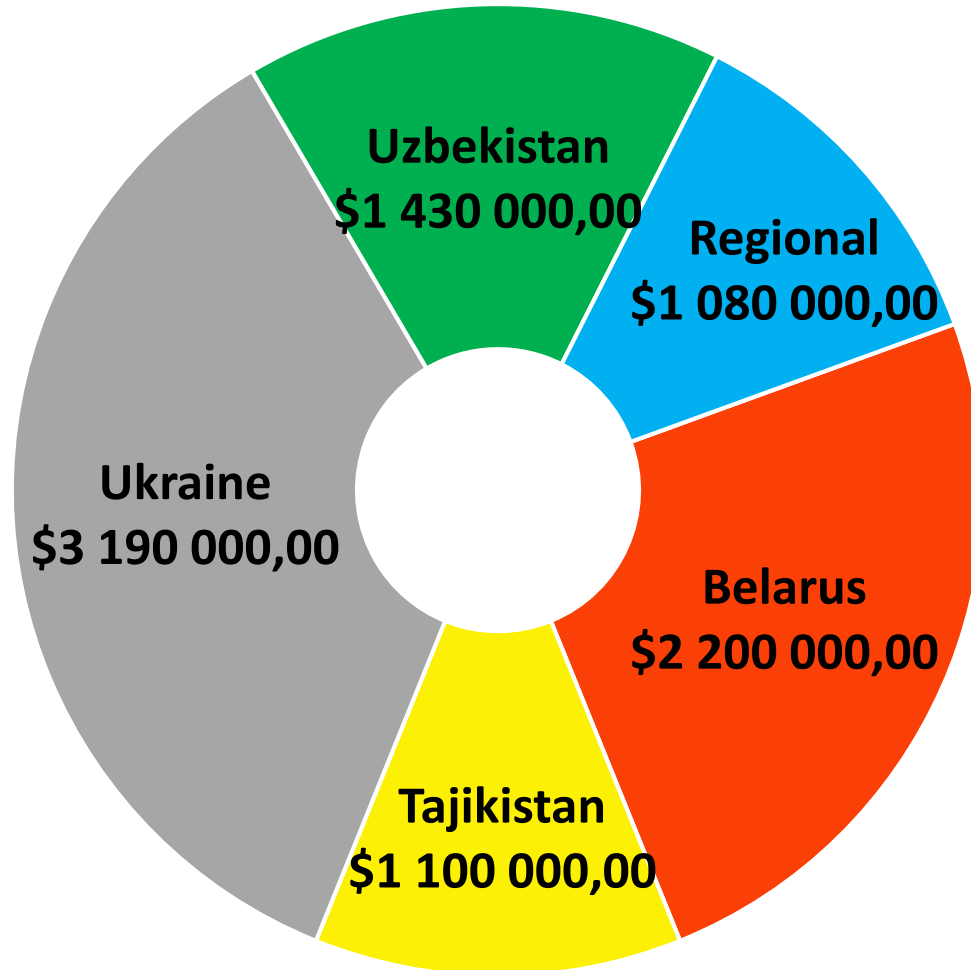
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# Overview

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- GEF financed UNDP supported project (2013-2018)
  - **Belarus, Tajikistan, Ukraine, Uzbekistan** – implemented by UNDP COs and respective MoEs
  - Regional component – implemented by **UNDP Istanbul Regional Hub**
  
- Outcome 1: **Regional** Accelerated Phase Out Capacity Building
  - 1a - Legislative and **Policy Options** for HCFC phase-out and control
  - 1b - Capacity Building for Enforcement of HCFC control measures by **Customs** and environmental/technical inspection authorities
  - 1c - Capacity Building for the **Refrigeration Sector**, Incorporation of Energy-Efficiency and GHG reduction elements
  - 1d - Support for the development of **Regional** institutions, capacity, and **networking**
  
- Outcome 2: National **HPMP**, National Level Capacity Building/**Training**, and **Demonstration HCFC Phase Out Investments**

# Budget split per component (\$9,000,000)



# Highlights

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- Formal HCFC Phase-out strategies with inevitable elements
  - Transparent **quota** and **licensing** for HCFC import
  - **Ban** on import of **non-refillable HCFC containers**
  - **Ban** on import of **equipment containing/relying on HCFC**
- Capacity building for Customs
  - Majority of customs officers and environmental inspectors trained/re-trained on ODS
  - Equipped with **portable refrigerant identifiers**
  - Customs laboratories equipped with **advanced GC-MS instruments** for HCFC identification (**Belarus, Ukraine**)

# Highlights

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- Capacity Building for Refrigeration Sector
  - Sizeable portion of technicians trained on good practices in ODS equipment maintenance and repair
  - Natural refrigerants and safety issues introduced
    - **2 regional** ToTs in Germany; **4 national** ToTs on natural refrigerants (**Hydrocarbons, Ammonia, CO2**) – 120 technicians
  - Training institutions for RAC technicians established and/or upgraded
    - **Belarus:** R-290 (propane) training center established at Belarus State Technical University
    - **Uzbekistan:** ODS Training Centre established at the Tashkent State Technical University

# Highlights

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- ODS data management and ODS waste management
  - ODS **waste management** strategy
    - Regional approach advised for ODS disposal/destruction
  - Methodology of ODS **data collection**
    - **Uzbekistan**: A special **data collection system** developed including a database for **HCFC re-use** in the RAC servicing sector
- Regional capacity building and networking
  - Continuous exchange between **Article 5 and non-Article 5** countries through **ECA Regional Ozone Network**
  - Participations to Montreal Protocol meetings (when necessary)
  - **Translation** of key resource documents (UN Environment, Ozone Secretariat) **into Russian** (34 key resource documents)
    - Lately, factsheets on **HFC management**, **Realalternatives.eu** – e-learning training modules for RAC technicians

# Highlights

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- Investment Programs & Demonstration Projects
  - 12 investment/demo projects with non-ODS, low GWP alternatives
    - Conversion to non-ODS foaming agents
    - **Conversion in system house to methylal**
    - **Conversion to water based absorption chiller**
    - **Conversion to low charge ammonia chiller**
    - Propane-based AC systems in medical institutions and industrial cold rooms
    - Educational stands on propane AC and CO2 heat pump in training centers for RAC technicians
    - **Free cooling systems for mobile base stations**
  - 16 RRR centers in 4 countries
    - **Tajikistan:** ODS recycling/reuse rate, **35.9%** in 2017

# Highlights

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- Lessons learnt, existing challenges, recommendations for next steps
  - Independent **Terminal Evaluation** is ongoing, final report by the end of July 2018
  - UNDP Evaluation Resource Center ([erc.undp.org](http://erc.undp.org)) and ECA Regional Ozone Network
- Next steps
  - Countries on track to the next reduction step in 2020 – 99.5%
  - Additional GEF financing for phase 2 - follow up projects
    - **“Complete HCFC Phase-out through Promotion of zero ODS low GWP Energy Efficient Technologies”**
    - National stand-alone projects, each with approx. **2mIn USD** GEF financing – **Belarus, Tajikistan and Uzbekistan**



- **Thank you!**
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