

QI4GT Fund Project Overview

GEO Emissions

September 2023 – June 2024

What is the QI4GT Fund?

The Quality Infrastructure for Green Transformation (QI4GT) Fund is set up in the framework of the PTB project “Quality Standards for Increased Trade in the Eastern Partnership Countries” and funded by the German Federal Ministry for Economic Cooperation and Development (Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung/BMZ). It aims to support promising QI initiatives that contribute to Green Transformation in the EaP countries. The Fund offers a flexible mechanism to finance short-term demand-driven projects implemented by a QI institution in collaboration with other partners from the private or non-governmental sectors. The first round of calls for proposals was closed in May 2023.

Objective of the project “GEO Emissions”

The project aims to strengthen technical capacities for analysis of ambient air for levels of harmful industrial pollutants, to assist in the implementation of air pollution testing methods and to raise awareness of the availability of QI services in this regard to potential customers. The provision of reliable testing services is a precondition for proper environmental management. In the long term, the project is expected to contribute to supporting the process of harmonisation of Georgian legislation and standards to the EU framework and thus to bring Georgia closer to achieving EU candidate status.

Partners

Lead Partner: Georgian Accreditation Center (GAC)

Additional Partner: Megatest laboratory

Main activities

The first set of activities includes the procurement and purchase of mobile air pollution monitoring equipment, including prior research necessary to establish the necessary technical parameters of the devices in correspondence with the legislative framework as well as development of market analysis and a business plan for the provision of the new testing services.

Main activities (continued)

Another group of activities relates to capacity building necessary to calibrate and operate the newly acquired device at 10 selected facilities. This includes training of Megatest staff on the implementation of testing methods and standard operating procedures. In addition, training will be conducted to strengthen the capacity of technical assessors from GAC as well as on calibration for staff from GEOSTM.

Visibility and awareness raising activities will be conducted targeting industry stakeholders, QI institutions and governmental bodies. They will include workshops, laboratory visits, and information materials. Mapping of accredited and non-accredited laboratories engaged in environmental monitoring, testing, verification, inspection will be performed and steps will be taken to improve GAC's capacities to assess them.

Knowledge transfer will be conducted on national level (e.g. with other CABs in Georgia) as well as on regional level with other EaP countries and QI4GT Fund beneficiaries from EaP countries.

Expected outputs

- Air quality monitoring in three zones (enterprise working area, sanitary zone, and population area) around 10 industrial enterprises conducted by newly trained experts with the newly acquired equipment
- Creation of enabling environment for air pollution testing services
- Knowledge transfer

Links to Green Transformation

Improving the capabilities of Georgian laboratories to test and analyse atmospheric air will contribute to better monitoring, data availability and environmental management. This, in turn, is expected to lead to improvements of the ambient air quality and, ultimately, better environmental protection.

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Website

<https://www.eastern-partnership.ptb.de/about-the-project/activities/ptb-fund-quality-infrastructure-for-green-transformation-qi4gt/>