



Ecuador

## Strengthening Quality Infrastructure for Energy Efficiency

**Objective** The project contributes to the development and strengthening of the quality infrastructure system in Ecuador, establishing the framework conditions for the implementation of energy efficiency policies and measures as well as supporting the energy transition in the country.

**Approach** The project seeks to develop and strengthen technical competencies in the field of energy efficiency for the conformity assessment of selected groups of household appliances, lamps and luminaires. In addition, the project aims to promote the incorporation of quality criteria and provides more and better quality infrastructure services that respond to energy efficiency requirements. Through the provision of technical assistance and consultancy services, the metrological traceability of testing and calibration laboratories will be strengthened in magnitudes related to energy efficiency, especially temperature, humidity, and luminous intensity.

In addition, the cooperation between the institutions of the national quality infrastructure system will be encouraged through the creation of inter-institutional working groups, including the participation of the private sector. Based on a review of existing awareness programmes and their results and impact, several outreach events will directly target the political environment, producers, importers, consumers and the wider public sector to raise awareness on quality, energy efficiency and its close relationship.

All activities will be implemented in order to strengthen the links between organisations of the energy sector, the private sector and the national quality infrastructure.

**Impact** Coordinated by the Undersecretariat of Quality of the Ministry of Production, Foreign Trade, Investments and Fishery (MPCEIP), the Ecuadorian Standardisation Service (INEN), including the National Metrology Institute, and the Ecuadorian Accreditation Service (SAE) offer organisations in the energy efficiency sector, both public and private, a broad set of services ranging from instrument calibration, standards development as well as accreditation services of conformity assessment bodies. Improving technical competence in metrology, standardisation, accreditation, and supporting its international recognition, promotes transparency in the decision-making of regulatory authorities and conformity assessment bodies, as well as contributes to an increase in energy efficiency. In addition, the improved services offered by institutions responsible for quality assurance lead to more reliable results.

Finally, verifying the compliance of household appliances, lamps and luminaires with energy efficiency requirements – by applying the range of new services offered – can contribute to and ensure more effective market surveillance in the best interest of consumers.

**Cooperation** The project seeks to coordinate its activities closely with other German Cooperation projects implemented by GIZ.

**Financing** Federal Ministry for Economic Cooperation and Development (BMZ), Germany

**Term** 2019–2023

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