



Uzbekistan



O'ZBEKISTON
MILLIY METROLOGIYA
INSTITUTI

Uzbek National Institute of Metrology

PTB project “Metrology for Digital Transformation – International Cooperation” CABUREK Global Program

Working Group: WGI: NMI's DT strategy

National project title: Step-by-step digitalization of metrological services in Uzbek national institute of metrology

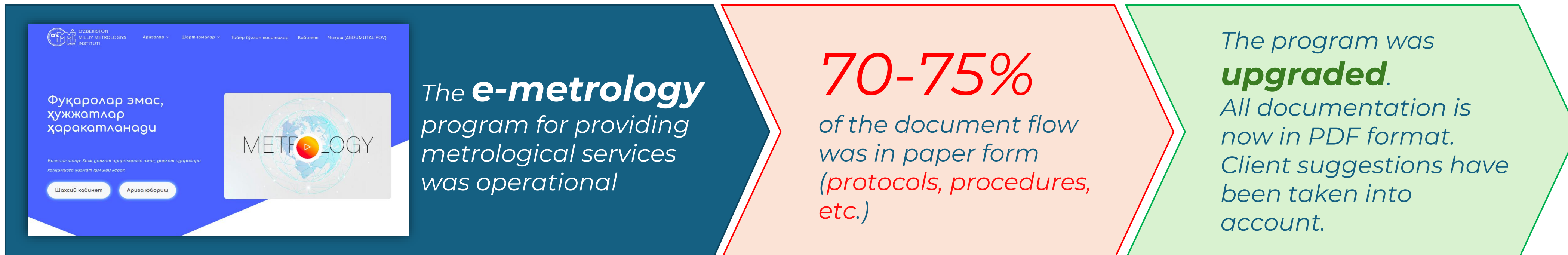
National Metrology Institute: **Uzbek National Institute of Metrology (UzNIM)**

Coach: NIMT, Thailand

Before the start of the project

Main shortcomings

During the project



During the project

Farsax
National metrology informational platform

information platform
information on metrology in the Republic of Uzbekistan

- legislative acts in the field of metrology
- data on the national standards base
- normative documents (standards)
- guidelines on measuring instruments
- verification/calibration procedures

iStudy
program

electronic professional development platform

- online training
- information on legislative and applied metrology
- online testing
- different levels of difficulty

Integration into the system
of the Agency for Technical Regulation

Integration into tris.uz

- Calibration and metrological certification services have been integrated
- The verification service is being integrated (by the end of the year)

A short-term development strategy has been developed and approved

*The development strategy **for 2025** has been approved*

A draft medium-term strategy has been developed

Draft development strategy **for 2026–2028**

- Creation of a SI map and a Geographic Information System (GIS).
- Start of work on creating machine-readable calibration and verification certificates.
- Integration of electronic document management systems with blockchain technology.
- Implementation of artificial intelligence for analyzing large volumes of metrological data, forecasting trends, and improving the accuracy of inspection planning.
- Creation of a virtual laboratory for conducting training sessions in 2027–2028
- Use of cloud solutions (Cloud Computing).
- Development of mobile applications for clients and employees.
- Implementation of a cyber threat monitoring system.



Experience and impressions from the CABUREK project



Exchange of experience with other NMIs ✓

Teamwork ✓

New connections ✓

Implementation of international experience into the digital strategy of UzNIM ✓

A new vision for strategic planning ✓

Valuable knowledge gained through CABUREK Talks ✓