



Tajikistan and CTBTO



On October 7, 1996 Tajikistan signed the "Comprehensive Nuclear-Test-Ban Treaty (CTBT)" and on December 2, 1998 the mentioned treaty was ratified. Tajikistan has borders with China, Pakistan and India, where nuclear tests were previously conducted. Taking into account that these countries are located close to Tajikistan, several activities are being done in Tajikistan for continuously improving monitoring systems in various regions of the country. In addition, Tajikistan supported and signed the "Treaty on Nuclear Weapon Free Zone in Central Asia". Tajikistan stands for that all countries ratify the CTBT. The completion of ratification procedure of this important document gives new impulse for the complete prohibition of nuclear tests in the world. Tajikistan has a number of stations in the system of Academy of Sciences and Hydrometeorology Agency for detecting airborne radionuclides. In addition, there is a network of seismic stations. These stations are located in the high mountain areas of Tajikistan. Previously it was found out places of abnormally high levels of deposition of techno-genic radionuclide Cesium-137 and its subsequent migration to edible field plants. The dependence of deposition process of radionuclides from composition of brought aerosols on geological features and isolation of mountain gorge had been studied.



National Data Center
NDC-TJ

In 2005 the NDC-TJ was established in Tajikistan and the Government assigned the Nuclear and Radiation Safety Agency AS RT as a Contact Point for CTBTO on improving NDC-TJ capacity.

In 2006 for development of NDC-TJ the VSAT system had been installed and PC was provided for using database connected to IDC in Vienna, Austria.

Because of local seismic stations are not included to the Global monitoring system of CTBTO, this VSAT system is using only for receiving information from database of IDC and not sending any information to IDC.

In 2008 was II Migration to new technology and new system and some of spare parts were changed. In 2018 was III Migration. NDC-TJ continue its cooperation with PC of CTBTO for implementation of CTBT statements in the national level.



Ulmas Mirsaidov

Prof., Consultant, Head
Researcher

Nuclear and Radiation Safety Agency of Academy of Sciences of the
Republic of Tajikistan

734003, 17 A, H.Hakimzoda, Dushanbe, Tajikistan

E-mail: m.ulmas@nrsa.tj Tel: [+992 37 2242102](tel:+992372242102)