

## VNIIA Focus Areas Related to the CTBT Technologies

*Tuesday, 20 June 2023 10:03 (1 minute)*

VNIIA is a leading company of Rosatom State Atomic Energy Corporation in CTBT implementation, which currently performs a range of researches:

- develops a scientific and methodical support and hardware and software for CTBT on-site inspection (OSI) activities, provides a comprehensive assessment and analysis of efficiency of controls and data information content published by the International Data Centre (IDC);
- participates in the analysis of events which reveal a possible non-compliance with CTBT on the part of other States Parties, collects the geophysical and radionuclide information based on products of the IDC;
- develops software to process the geophysical information in the National Data Centre;
- improves the data analytics system to use it in applied researches for monitoring the CTBT compliance;
- investigates the ways to create an expert system for checking a procedure for CTBT OSI and for using it in applied researches in the framework of the Rosatom activities in the field of CTBT compliance monitoring in order to predict and evaluate OSI results;
- has finished the development of a short period vertical seismometer and three-component broadband seismometers for the seismic monitoring systems

### E-mail

glebzasimov@yandex.ru

### Promotional text

VNIIA is the leading organization of Rosatom State Corporation for the implementation of the CTBT. This poster presents the main areas of work related to the CTBT.

### Oral preference format

**Primary authors:** Mr ZASIMOV, Gleb (All-Russia Research Institute of Automatics named after N.L. Dukhov (VNIIA)); Mr GERASIMCHUK, Oleg (All-Russia Research Institute of Automatics named after N.L. Dukhov (VNIIA))

**Presenter:** Mr ZASIMOV, Gleb (All-Russia Research Institute of Automatics named after N.L. Dukhov (VNIIA))

**Session Classification:** Lightning talks: P1.2-1, P3.1, P3.4, P4.5

**Track Classification:** Theme 3. Monitoring and On-Site Inspection Technologies and Techniques: T3.1 Seismic, Hydroacoustic and Infrasound Technologies and Applications