

Czech CBRN stockpile of detection, sampling, identification and monitoring countermeasures.

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Project name: Czech CBRN stockpile of detection, sampling, identification and monitoring countermeasures

Project acronym: rescEU-MED-CBRN-CZ

Project number: 101140532

Project starting date: fixed date: 1 January 2024

Project end date: 30 September 2026

Project duration: 33 months

Project coordinator: MINISTRY OF THE INTERIOR OF THE CZECH REPUBLIC – General Directorate of Fire Rescue Service

Total costs: 14 924 700 Euro

The main objective of this project is to develop and maintain CBRN stockpile under rescEU to better prepare for and respond to serious CBRN threats within UCPM. Czech

CBRN stockpile will be able to respond to a variety of cross-border CBRN threats according to the quality requirements specified in Section 8 of the Annex of Implementing Decision (EU) 2019/570 (Stockpiling of chemical, biological, radiological and nuclear countermeasures). CBRN equipment (devices and consumables) is very specific in way of warehousing and its maintenance in usable state. Czech capacities will ensure this activity and preparedness within rescEU. CBRN Stockpile equipment will be warehoused in the Czech Republic and Czech Fire Rescue Service will ensure service, calibrations and battery charging.

There will be created 6 stockpiles of CBRN detection and monitoring devices consisting of 4 groups of devices:

1. Detection and identification of **dangerous chemical substances – analyzers of chemical substances, spectrometers.**

2. Detection and identification of **dangerous chemical substances – simple detection devices** – working on the principle of colorimetric reaction, paper chromatography, sorptive or optoelectronic principle.

3. Detection of **ionizing radiation** source – personal dosimeters, dosimeters, radiometers, a spatial dose equivalent power meters, contamination meters, gamma spectrometer.

4. **Biodetection.**

All mentioned detection devices can be used in the field during emergency, in laboratories or inside buildings.

Some devices can be used for monitoring of CBRN situation on-site, monitoring when walking or driving monitoring (with detection device placed in the car). Some devices are able to provide contactless identification of substances from distance of few metres to few kilometres. CBRN Stockpiles will be located in the Czech Republic and spread accross the country - in Prague (good position to international airport), in Pardubice region (Lazne Bohdanec), in Pilsen Region (Tremosna), in Middle-Bohemian Region (Kamenice), in South-Moravian Region (Tisnov) and in Moravian-Silesian Region (Frenstat pod Radhostem).

Work package - Purchase of devices for CBRN detection, sampling, identification and monitoring countermeasures

- **Purchase of devices** for 6 stockpiles of CBRN detection and monitoring
- **Development of SOPs** for operation and maintenance of devices,
- Development of SOPs for deployment of items,
- **Tranining of Experts** – Initial and regular trainings of personnel for operation and maintenance of devices,
- Training of Experts for deployment of items,
- **Registration to CECIS and deployment**