EUROPEAN DEFENCE FUND

EUROPEAN UNION

TeChBioT

Surveillance and Reconnaissance Techniques for Chemical and Biological Threats

SELECTED PROJECTS EUROPEAN DEFENCE FUND (EDF) 2021

CALL TITLE:	Capabilities for CBRN risk assessment, detection, early warning and surveillance
TOPIC TITLE:	Detection, identification and monitoring (DIM) of CBRN threats
DURATION OF THE PROJECT:	36 months
TYPE(S) OF ACTIVITIES:	Generating and integrating knowledge; Studies; Design
ESTIMATED TOTAL COST:	€ 4,328,983.75
MAXIMUM EU CONTRIBUTION :	€ 4,328,983.75

SHORT DESCRIPTION OF THE PROJECT:

TeChBioT will develop new highly selective and sensitive detectors for the detection and identification of the most volatile chemical or biological warfare agents.

The project "Surveillance and Reconnaissance Techniques for Chemical and Biological Threats" (TeChBioT) aims developing new highly selective and sensitive detectors, operating at high temperatures (> 200 °C) to prevent condensation of low volatile targets, for enabling fast detection and identification of non-volatile biological and low-volatile chemical agents. Another objective is to develop AI and machine learning techniques to develop robust analytical methods and achieve breakthrough knowledge for CBRN detection.

MEMBERS OF THE CONSORTIUM AND COUNTRY OF ESTABLISHMENT:

NAME OF THE ENTITY	COUNTRY
ECOLE ROYALE MILITAIRE - KONINKLIJKE MILITAIRE SCHOOL	Belgium
BUNDESMINISTERIUM DER VERTEIDIGUNG	Germany
ETHNIKO KENTRO EREVNAS KAI TECHNOLOGIKIS ANAPTYXIS	Greece
EXUS SOFTWARE MONOPROSOPI ETAIRIA PERIORISMENIS EVTHINIS	Greece
GOTTFRIED WILHELM LEIBNIZ UNIVERSITAET HANNOVER	Germany
INTERSCIENCE BV	Netherlands
T4I ENGINEERING SINGLE MEMBER PRIVATE COMPANY	Greece
TALLINNA TEHNIKAÜLIKOOL	Estonia