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JEROME

Capabilities and interoperability for joint RO-  
BG cross-border first responder intervention  
to chemical-biological-radiological-nuclear-  
high yield explosive emergencies

Project Code : 15.3.1.051, e-MS ROBG - 121

[www.jerome-robg.eu](http://www.jerome-robg.eu)



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Project title: "JEROME - Capabilities and interoperability  
for joint RO-BG cross-border first responder intervention to  
chemical-biological-radiological-nuclear-high yield  
explosive emergencies"

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[www.interregrobg.eu](http://www.interregrobg.eu)

Project "JEROME - Capabilities and interoperability for joint  
RO-BG cross-border first responder intervention to chemical-  
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## Project summary

The project upholds achievement of integrated, regional management of chemical-biological-radiological-nuclear-high yield explosives emergencies (CBRNe) by supporting Police authorities from Romania and Bulgaria in their effort to step-up cross-border cooperation between their special intervention units, as provided by European Council Decision 2008/617/JHA.

In this-line the project's strategic objective is to set up, in the Romania-Bulgaria cross-border area, a fully interoperable, rapid reaction system to CBRNe emergencies, capable to provide/accept services to/from first-responder units from both sides of the border.

With financing of 5, 999,095 €, the project will equip the specialized Police's structures that are first-responders in an event implying high yield explosives with chemical-biological-radiological-nuclear components, with a total of 8 mobile intervention units, provided with complex technique that enable collection of essential data needed to characterize a CBRNe situation in terms of event type, amplitude and responsibility, while gaining control of situation and securing of the area. Adequate and effective response to CBRNe emergencies is further supported by provision of identical means for communications and data transfer to emergency management authorities.

The project also supports inception of an independent forensic laboratory, by endowment of a national research institute with dedicated equipment for the analysis of evidence collected by operational units and subsequent yield of data for the assessment and mitigation of CBRNe long term effects.

## Project partners and beneficiaries

### Romanian partners

#### **National Research-Development Institute for Materials Physics (NIMP)**

At only 65 km to Romania-Bulgaria border, NIMP is both the closest and largest research infrastructure for materials investigation. With highly qualified researchers and skilled specialized technicians, NIMP also benefits from a new research infrastructure acquired in the last years, having best in the region scientific equipment for structural, optical and physical properties characterization of materials and a certified laboratory for Chemical Analysis of Advanced Materials. NIMP is developing the RITecC new center (~3500 m<sup>2</sup> of laboratory space) dedicated to applications, including 2 M€ equipment for analysis of environment relevant materials (like XPS, GC-MS, HRTEM+electron tomography) which matches many of the present project needs.

#### **General Inspectorate of Romanian Police - Ministry of Internal Affairs (GIRP)**

#### **Final beneficiary: Independent Service for Special Interventions and Actions (SIAS)**

The General Inspectorate of Romanian Police, through its specialized structure, the Independent Service for Special Interventions and Actions (SIAS), ensures directly or in cooperation with other institutions, technical controls and pyrotechnic interventions for the prevention, discovery and neutralizing of devices that are threatening public order, physical integrity, health of the persons, or the public and private property.

Being part of the National Emergency Management System, SIIAS is the specialized structure of GIRP, which is handling the response and intervention regarding CBRNe threats, as well as the securing of evidences in the case of such events.

By law, SIIAS is also the authority responsible for gathering all evidences from the sites, in case of any CBRN event, in order to support the criminal investigations and prosecuting.

### Bulgarian partner

#### **Ministry of Interior, Bulgaria (Mol)**

#### **Final beneficiary: Specialized Unit for Combating Terrorism (SUCT)**

Mol is legally responsible for organization and operation of the specialized intervention forces to CBRNe emergencies. The Specialized Unit for Combating Terrorism of Mol (SUCT) subordinates the units located within the cross-border area and is implementing the following activities:

- coordination of special intervention teams for immediate response to CBRNe events on territory of Bulgaria;
- executes technical investigation and supports other units within Mol in cases of major industrial accidents;
- detects, identifies and neutralizes explosive devices and explosives, and develops technical means to carry out these activities;
- physico-chemical investigation and evaluation of explosive devices and unknown hazardous substances;
- elaborates intervention plans and establishes the technical capabilities for the CBRNe troops.