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PRedictive reasOning and multi-source fusion empowering AntiCipation of attacks and Terrorist actions In Urban EnVironmEnts

Fact Sheet

Project Information

PROACTIVE

Grant agreement ID: 285320

Project closed

Start date

1 May 2012

End date

30 April 2015



Funded under

Specific Programme "Cooperation": Security

Total cost

€ 4 679 412,00

EU contribution

€ 3 371 799,60

Coordinated by

Vitrociset spa



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Objective

"The main goal of PROACTIVE is to research a holistic citizen-friendly multi sensor fusion and intelligent reasoning framework enabling the prediction, detection, understanding and efficient response to terrorist interests, goals and courses of actions in an urban environment. To this end, PROACTIVE will rely on the fusion of both static knowledge (i.e. intelligence information) and dynamic information (i.e. data observed from sensors deployed in the urban environment). The framework will be user-driven, given that the project is supported by a rich set of end-users, which are either members of the consortium or members of a special end-user advisory board. From a technological perspective, PROACTIVE will integrate a host of novel technologies enabling the fusion of multi-sensor data with contextual information (notably 3D digital terrain data), while also resolving the ambiguities of the fusion process. Moreover, the PROACTIVE framework will incorporate advanced reasoning techniques (such as adversarial reasoning) in order to intelligently process and derive high level terroristic semantics from a multitude of source streams. The later techniques will be adapted to the terrorist domain, in order to facilitate prediction and anticipation of actions and goals of the terroristic entities.

Overall, PROACTIVE will leverage cutting-edge technologies such as the Net-centric Enable Capability (NEC) approach and the emerging "Internet-of-Things" concept, which are key enablers of new capabilities associated with real-time awareness of the physical environment, as well as with tracking and analyzing human behaviour. PROACTIVE will address the technological challenges that inhibit the wider deployment of NEC/ IoT in anti-terrorist applications.

Following the deployment and evaluation of the framework, PROACTIVE will produce a set of best practices and blueprints, which will contribute to a common EU approach to terrorist prevention in an urban environments."

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > [internet](#) > [internet of things](#)



Programme(s)

[FP7-SECURITY - Specific Programme "Cooperation": Security](#)

Topic(s)

[SEC-2011.1.2-1 - Strategies for countering a terrorist attack in an urban environment – Capability Project](#)

Call for proposal

FP7-SEC-2011-1

[See other projects for this call](#)

Funding Scheme

[CP-FP - Small or medium-scale focused research project](#)

Coordinator



Vitrociset spa

EU contribution

€ 830 650,00

Total cost

No data

Address

VIA TIBURTINA 1020

00156 ROMA

 **Italy** 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Participants (9)



AKADEMIA GORNICZO-HUTNICZA IM. STANISLAWA STASZICA W KRAKOWIE

Poland

EU contribution

€ 242 640,00

Address

AL ADAMA MICKIEWICZA 30
30-059 Krakow

Region

Makroregion południowy > Małopolskie > Miasto Kraków

Activity type

Higher or Secondary Education Establishments

Links

Total cost

No data



RESEARCH AND EDUCATION LABORATORY IN INFORMATION TECHNOLOGIES

Greece

EU contribution

€ 312 040,00

Address

Adrianou 2 & Papada
11525 Athens

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



CONSORZIO MILANO RICERCHE

Italy

EU contribution

€ 271 320,00

Address

VIA COZZI ROBERTO 53
20125 Milano



Region

Nord-Ovest > Lombardia > Milano

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



H W COMMUNICATIONS LIMITED

United Kingdom

EU contribution

€ 295 800,00

Address

GREAVES ROAD PARKFIELD
LA1 4TZ Lancaster



Region

North West (England) > Lancashire > Lancaster and Wyre

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



KENTRO MELETON ASFALLEIAS

Greece

EU contribution

€ 352 440,00

Address

P KANELLOPOULOU 4 ST
10177 Athina

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



KINGSTON UNIVERSITY HIGHER EDUCATION CORPORATION

United Kingdom

EU contribution

€ 321 265,60

Address

HOLMWOOD HOUSE GROVE CRESCENT
KT1 2EE KINGSTON UPON THAMES

Region

London > Outer London — South > Merton

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



ISTITUTO DI SOCIOLOGIA INTERNAZIONALE DI GORIZIA

 Italy

EU contribution

€ 117 324,00

Address

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34170 Gorizia 

Region

Nord-Est > Friuli-Venezia Giulia > Gorizia

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



HUN-REN SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATOINTEZET

 Hungary

EU contribution

€ 313 240,00

Address

KENDE UTCA 13-17

1111 Budapest 

Region
Közép-Magyarország > Budapest > Budapest

Activity type
Research Organisations

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



UNIVERSITAET DER BUNDESWEHR MUENCHEN

Germany
EU contribution
€ 315 080,00

Address
WERNER HEISENBERG WEG 39
85579 Neubiberg

Region
Bayern > Oberbayern > München, Landkreis

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data

Last update: 6 September 2024

Permalink: <https://cordis.europa.eu/project/id/285320>

