



Proactive Risk Management through Improved Cyber Situational Awareness

Fact Sheet

Project Information

PROTECTIVE

Grant agreement ID: 700071

[Project website](#)

DOI

[10.3030/700071](https://doi.org/10.3030/700071)

Project closed

EC signature date

21 April 2016

Start date

1 September 2016

End date

31 August 2019

Funded under

Secure societies - Protecting freedom and security of Europe and its citizens

Total cost

€ 4 693 612,50

EU contribution

€ 4 160 596,88

Coordinated by

Technological University of the Shannon: Midlands Midwest



Ireland

Objective

PROTECTIVE is designed to improve an organisations ongoing awareness of the risk posed to its business by cyber security attacks. PROTECTIVE makes two key contributions to achieve this enhanced situational awareness. Firstly it increases the computer security incident response team's (CSIRT) threat awareness through improved security monitoring and increased sharing of threat intelligence between organisations within a community. Secondly it ranks critical alerts based on the potential damage the attack can inflict on the threatened assets and hence to the organisations business. High impact alerts that target important hosts will have a higher priority than other alerts. Through the combination of these two measures

organisations are better prepared to handle incoming attacks, malware outbreaks and other security problems and to guide the development of the prevention and remediation processes.

The PROTECTIVE system is designed to provide solutions for public domain CSIRTs and SME's who both have needs outside the mainstream of cyber security solution provision. Public CSIRTs needs arise in part because commercial tools do not address their unique requirements. This has created a shortfall, clearly articulated by ENISA, of tools with the required analytical and visualisation capabilities to enable public CSIRTs provide optimised services to their constituency. SME's also are vulnerable to cybercrime as they have limited resources to protect themselves and often a limited understanding of what needs to be done. Two pilots will be conducted to evaluate and validate the PROTECTIVE outcomes with CSIRTs from 3 National Research and Educational Networks (NRENs) and with SMEs via a managed security service provider (MSSP).

The PROTECTIVE consortium is constituted of 3 NRENs, 3 academic and four commercial partners from 8 countries so as to maximise the technical and commercial impact of the outputs and the dissemination and uptake of the results.

Fields of science (EuroSciVoc)

[natural sciences](#) > [computer and information sciences](#) > **[software](#)**

[natural sciences](#) > [computer and information sciences](#) > [computer security](#) > **[malicious software](#)**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > **[sensors](#)**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > **[telecommunications networks](#)**

[social sciences](#) > [sociology](#) > [governance](#) > **[crisis management](#)**



Keywords

[Risk management](#)

[cyber situational awareness](#)

[threat intelligence](#)

[security alert prioritisation](#)

[threat awareness](#)

Programme(s)

Topic(s)

[DS-04-2015 - Information driven Cyber Security Management](#)

Call for proposal

[H2020-DS-2014-2015](#)

[See other projects for this call](#)

Sub call

H2020-DS-2015-1

Funding Scheme

[IA - Innovation action](#)

Coordinator



Technological University of the Shannon: Midlands Midwest

Net EU contribution

€ 755 937,50

Total cost

€ 755 937,50

Address

Moylish Park Campus

V94 EC5T Limerick

 **Ireland** 

Region

Ireland > Southern > Mid-West

Activity type

Higher or Secondary Education Establishments

Links

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

Participants (9)



SYNYO GmbH

Austria

Net EU contribution

€ 395 193,75

Address

Otto-Bauer-Gasse 5/14
1060 Wien

SME

Yes

Region

Ostösterreich > Wien > Wien

Activity type

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

Links

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

Total cost

€ 564 562,50



INSTYTUT CHEMII BIOORGANICZNEJ POLSKIEJ AKADEMII NAUK

Poland

Net EU contribution

€ 584 000,00

Address

NOSKOWSKIEGO 12-14
61-704 POZNAN

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

Activity type

Research Organisations

Links

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

Total cost

€ 584 000,00



CLEAN COMMUNICATIONS LIMITED

Ireland

Net EU contribution

€ 287 218,75

Address

ELLENBOROUGH HOUSE DUBLIN ROAD
NAAS CO KILDARE

SME

Yes

Region

Ireland > Eastern and Midland > Mid-East

Activity type

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

Links

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

Total cost

€ 410 312,50



TECHNISCHE UNIVERSITAT DARMSTADT

Germany

Net EU contribution

€ 590 870,00

Address

KAROLINENPLATZ 5

64289 Darmstadt 

Region

Hessen > Darmstadt > Darmstadt, Kreisfreie Stadt

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 590 870,00



Agentia de Administrare a Retei Nationale de Informatica Pentru Educatie si Cercetare

 Romania

Net EU contribution

€ 176 562,50

Address

STRADA MENDELEEV 21-25

010362 Bucuresti 

Region

Macroregiunea Trei > București-Ilfov > București

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 176 562,50



GMV SOLUCIONES GLOBALES INTERNET SAU

 Spain

Net EU contribution

€ 393 465,63

Address

CALLE ISAAC NEWTON 11 PARQUE TECNOLOGICO DE MADRID
28760 Tres Cantos Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

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

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 562 093,75



CESNET ZAJMOVE SDRUZENI PRAVNICKYCH OSOB

 Czechia

Net EU contribution

€ 211 562,50

Address

GENERALA PIKY 430/26
160 00 Praha 6 

Region

Česko > Praha > Hlavní město Praha

Activity type

Research Organisations

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 211 562,50



ITTI SP ZOO

Poland

Net EU contribution

€ 167 825,00

Address

RUBIEZ 46

61-612 Poznan

SME

Yes

Region

Makroregion północno-zachodni > Wielkopolskie > Miasto Poznań

Activity type

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

Links

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

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

[HORIZON collaboration network](#)

Total cost

€ 239 750,00



THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

United Kingdom

Net EU contribution

€ 597 961,25

Address

WELLINGTON SQUARE UNIVERSITY OFFICES

OX1 2JD Oxford

Region

South East (England) > Berkshire, Buckinghamshire and Oxfordshire > Oxfordshire

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 597 961,25

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European Union, 2025