



Development of new solutions for the protection of citizens and infrastructures against terrorist threats



EUROPEAN COMMISSION
DIRECTORATE-GENERAL MIGRATION AND HOME AFFAIRS



Project Overview

CALL: ISFP-2018-AG-CT

TOPIC: ISFP-2018-AG-CT-PROTECT

PROJECT TOTAL COST: € 1.184.646

FUNDING: € 1.066.181

START DATE: 1/10/2019

DURATION: 24 months

EUProtect aims to develop new solutions for the protection of European citizens and public spaces against terrorist threats



Consortium

- 6 partners each having specific and high value knowledge in all needed scientific and technological branches which are required to meet the objectives of the project.
- The key competences of the partners relate to security, crowd modelling, transport, engineering, urban design, CBRNe.



The Consortium

□ 6 partners from 3 EU countries

- 3 Private SMEs
- 1 Public Research Organization
- 1 Public Transport Organization
- 1 Non-Profit Entity



The Needs



❑ **Crowded and open public spaces** are becoming potential targets of terrorist attacks because of the intrinsic **vulnerabilities**

❑ Recent attacks show this shift from **hardened infrastructures** to **soft targets** such as citizens



❑ Attacks to **soft targets** could cause **mass casualties** even with 'low-tech' means, such as knife stabbing and vehicle ramming.

The Needs

- The worldwide rise of terrorism has been accompanied by a series of attacks against so-called “soft targets”: vulnerable public places that may be selected by terrorists in their effort to maximize casualties.
- Methods for enhancing the security of soft targets and providing protection to places that are unprotected?
- The characteristics of soft targets can range from public spaces with no protection to structures with some basic protection.
- Solutions urgently needed to protect public spaces in urban areas (structural, architectural and land shaping elements).

The Project

- Two soft target use-cases: a metro station (Madrid) and a shopping mall (Budapest).



- Potential reference attack scenarios will be defined for both, to develop protection measures applicable to different targets, covering both standard and CBRN attacks.

The Project

- Best practice guidelines will be produced, aiming at providing advice to security stakeholders for reducing the risk of an attack and introducing proper measures for citizens and soft targets protection.
- Finally the decision-making community will be addressed through a specific dissemination effort (workshops and publications) to *enhance the awareness of terrorist threats and scenarios facing soft targets.*

Project Goals



Developing concepts of **urban landscape design** to protect infrastructures and soft targets



Developing measures to protect citizens against **CBRN attacks**



Support the **identification and analysis of criticalities** in critical infrastructures and public spaces



Raising the **security awareness** of soft target stakeholders with reference to the protection of soft targets



Developing **models and simulations** of attack scenarios, including crowd behaviour



Developing a **catalogue of countermeasures** for infrastructures protection



Developing **training materials** to increase preparedness of infrastructure operators against CBRN threats



Increasing **infrastructures protection capability** against existing and emerging threats

Objectives

- Develop new concepts of urban landscape design aiming at reducing the vulnerability of public spaces against terrorist threats, taking into account the recent rapid changes in terrorism threats.
- Special care paid to citizens, through modelling and simulation of their behaviour in the event of terrorist attacks.

OBJECTIVES



PROTECTION OF PUBLIC SPACES

Improvement of public spaces and soft targets
protection

OBJECTIVES



PROTECTION AGAINST CBRN ATTACKS

Improving protection against CBRN attacks



OBJECTIVES



ADDRESSING CBRN-E AND EMERGING THREATS

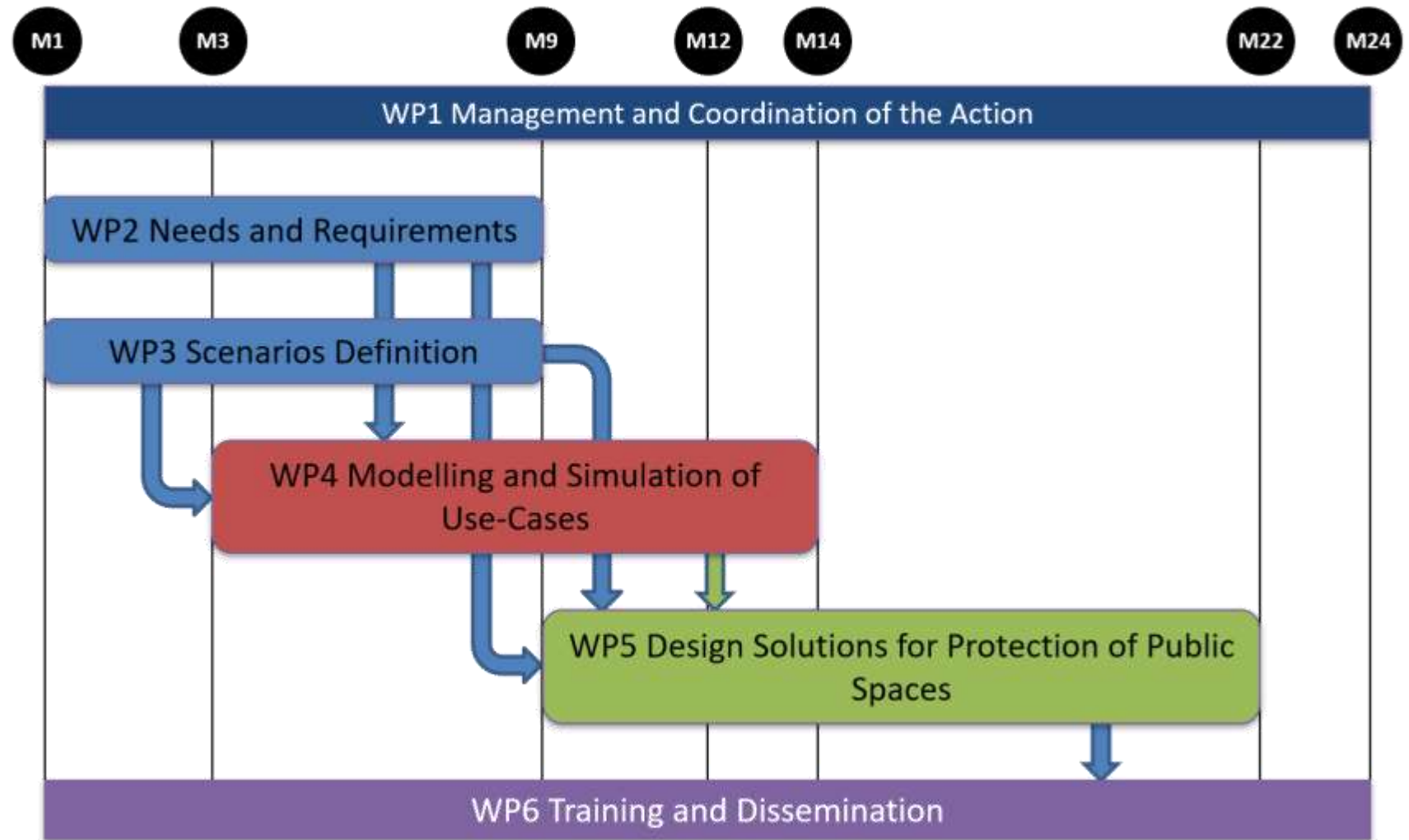
Addressing CBRN-E as well as emerging threats to critical infrastructure and public spaces



Work Packages

WP	Title
1	Management and Coordination of the Action
2	Needs and Requirements
3	Scenarios Definition
4	Modelling and Simulation of Use-Cases
5	Design Solutions for Protection of Public Spaces
6	Training and Dissemination

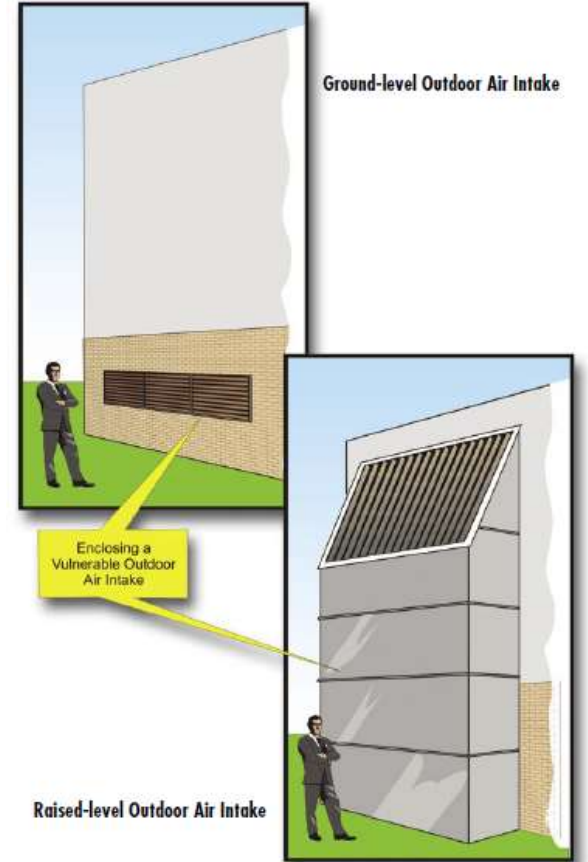
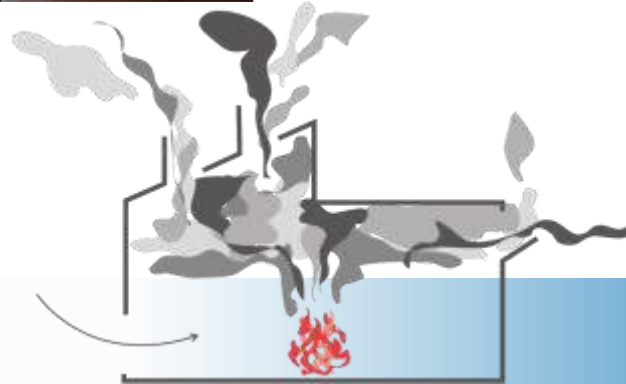
Project structure



Work Package 2: Needs and Requirements

- Identification and development of a catalogue of current key factors in the design of Critical Infrastructures and soft targets.
- *Gathering of state-of-the-art design criteria and solutions for protection of soft targets against attacks, from past project results and activities.*
- Identification of gaps and requirements in soft target protection against traditional and CBRNe attacks.

State of the art design criteria and solutions for protection against attacks



Work Package 6: Training and Dissemination

- Raising the security awareness of stakeholders with reference to the protection of soft targets.
- Development of training materials to increase preparedness of critical infrastructures and soft targets operators against CBRN threats.
- Conduction of use-case workshops to validate and verify the design concepts for protection.
- Dissemination of the outputs of the EUProtect project to key industry stakeholders and the wider public.
- Development of a training methodology to roll-out the EUProtect solutions.

Work Package 6: Training and Dissemination

This WP is divided in 4 tasks:

- T1: Training materials;
- T2: Use-case workshops;
- T3: Dissemination;
- T4: Definition of guidelines for protection of public spaces.

T1: Training materials

Key activities:

- Training needs assessment.
- Training methodology and strategy.
- Generation of training support material.
- Update training material based on feedback from the use-cases workshops.

T2: Use-case workshops

Key activities:

- Hold stakeholder workshops at the use-cases locations (Madrid and Budapest).
- Gather and collate feedback from workshops as part of a continuous improvement loop.

T3: Dissemination

This task is carried out throughout the entire project.

- Technical papers
- Conferences (SICC-Series, 10-12 December 2020, Rome)
- Two workshops (Rome and Genoa)
- Project website:

<https://www.euprotect-project.eu/>

- LinkedIn profile:

<https://www.linkedin.com/in/euprotect-project-92039719a/>



T4: Definition of guidelines for protection of public spaces

This task will produce best-practice guidelines to ways in which soft targets and public spaces can be designed or improved to comply with the needs expressed in WP2 and to mitigate the effects of the attack scenarios defined in WP3 and modelled in WP4.

KO Meeting – October 10, 2019 - Genoa



Use-Case Visit – January 15, 2020 - Budapest



GA Meeting – May 6, 2020, GoToMeeting





Thank you for the attention

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