

DRIVER+

PROJECT AND MAIN RESULTS (SO FAR)

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DRIVER+ seeks to improve the way **capability development** and **innovation management** are tackled, by **assessing** and **validating** (in realistic environments) **solutions** that are addressing the operational needs of Crisis Management practitioners





In May 2014, dedicated practitioners' organisations, research institutes, industries and SMEs teamed up to support the European Union to tackle this issue.

Atos

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INTERNATIONAL MANAGEMENT SERVICES

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EUROPEAN ORGANISATION FOR SECURITY

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FREQUENTIS

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A THALES Group Company

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Public Safety Communication Europe

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ANTICIPER VOTRE PRÉSENT



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ARMINES

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DAVID
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gmv
INNOVATING SOLUTIONS

SISEKAITSEAKADEEMIA
ESTONIAN ACADEMY OF SECURITY SCIENCES

Disaster
Waste
Recovery

CITET

The objectives of DRIVER+ are:



To develop a pan-European Test-bed for Crisis Management capability development



To develop a comprehensive Portfolio of Crisis Management Solutions



To facilitate a shared understanding in Crisis Management across Europe

SOME TERMINOLOGY

1. **Solution:** A solution is a means that contributes to a crisis management function. A solution is either one or more processes or one or more tools with related procedures.
2. **Trial:** An event for systematically assessing solutions for current and emerging needs in such a way that practitioners can do this following a pragmatic and systematic approach.
3. **Test Bed:** The software tools, middleware and methodology to systematically conduct Trials and evaluate solutions within an appropriate environment. The Test-bed can enable existing facilities to connect and exchange data, providing a pan-European arena of virtually connected facilities and crisis labs.
4. **Where to find the DRIVER+ terminology:** <https://www.driver-project.eu/driver-project/terminology/>

MAIN RESULTS SO FAR

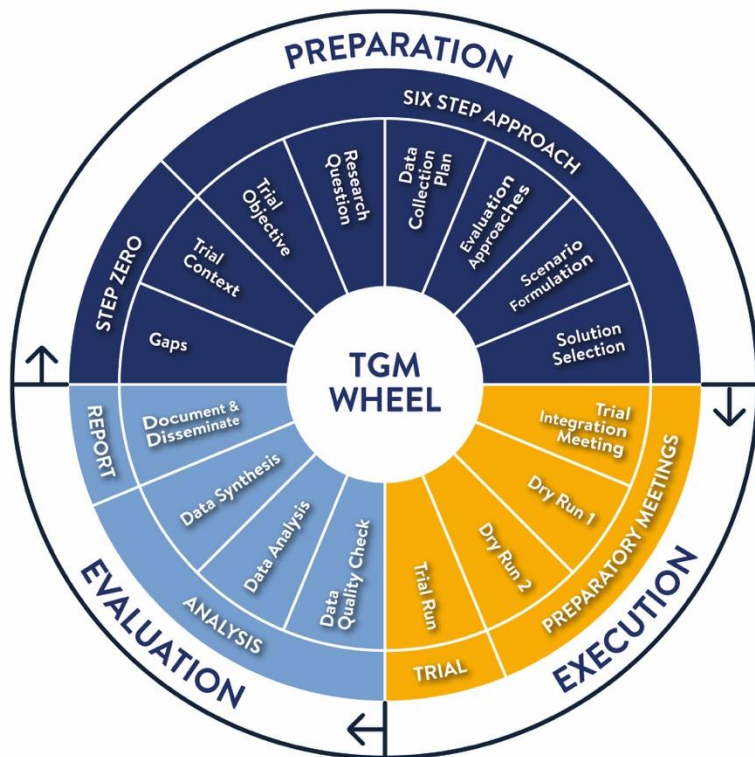
WORK IN PROGRESS

- Pan-European Test-bed:
 - Trial Guidance Methodology Handbook (and Trial Guidance Tool)
 - Technical infrastructure
 - Training Module
- CMINE – Crisis Management Innovation Network Europe
- Centre of Expertise
- Portfolio of Solutions



TRIAL GUIDANCE METHODOLOGY

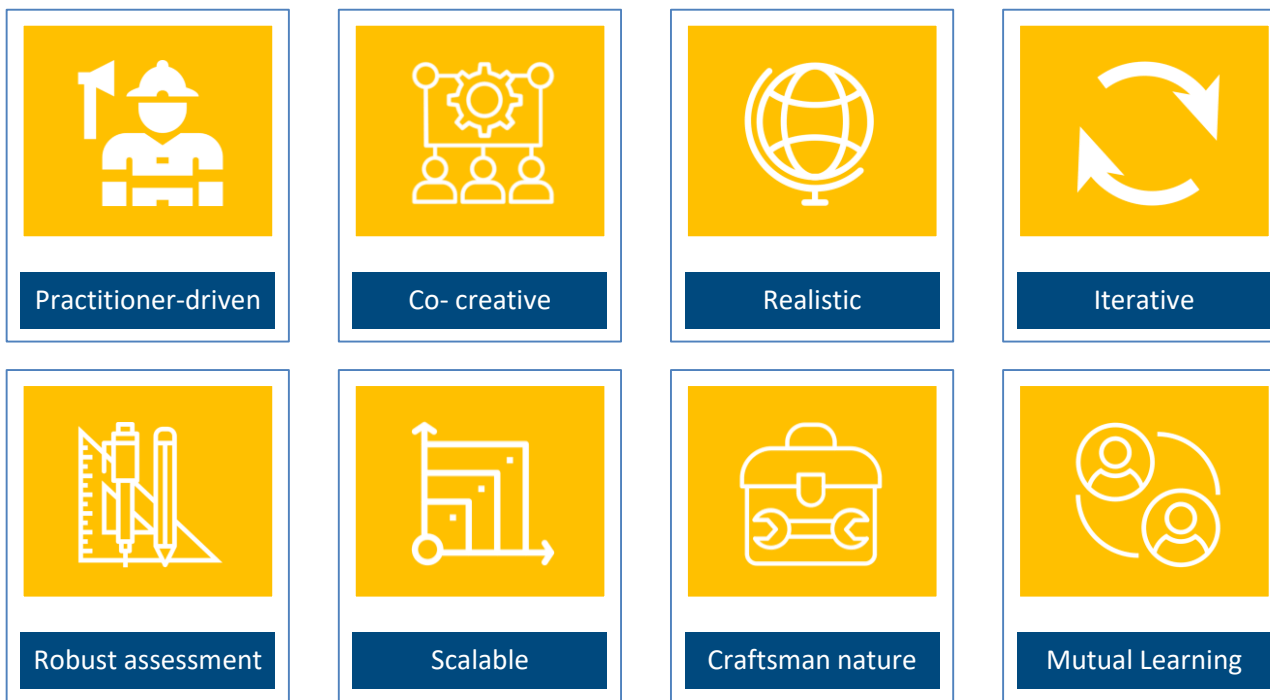
KEY MESSAGES / UNIQUE SELLING POINTS



Structured approach (Step-by-step guidelines) to carry out a robust assessment of solutions and their potential impact on the socio-technical set-up of a Crisis Management organisation

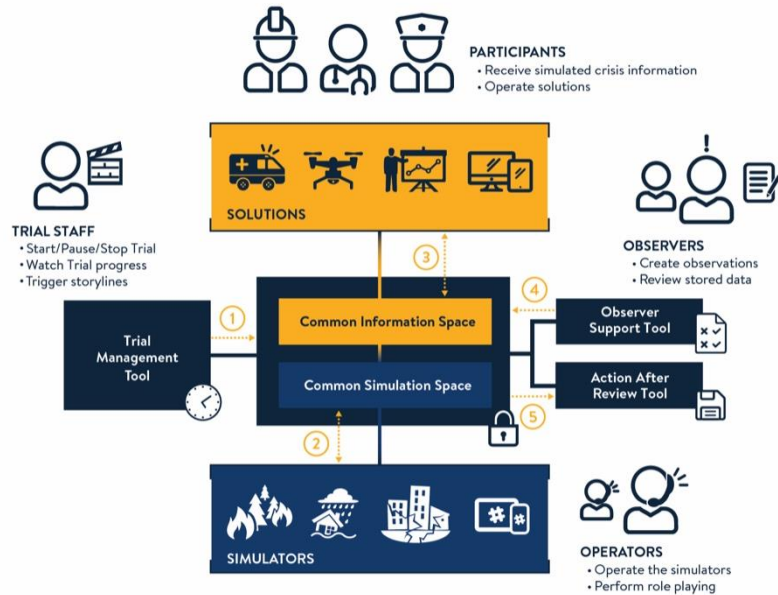
TRIAL GUIDANCE METHODOLOGY (TGM)

A PRAGMATIC AND SYSTEMATIC SUPPORT



TEST-BED TECHNICAL INFRASTRUCTURE

KEY MESSAGES / UNIQUE SELLING POINTS

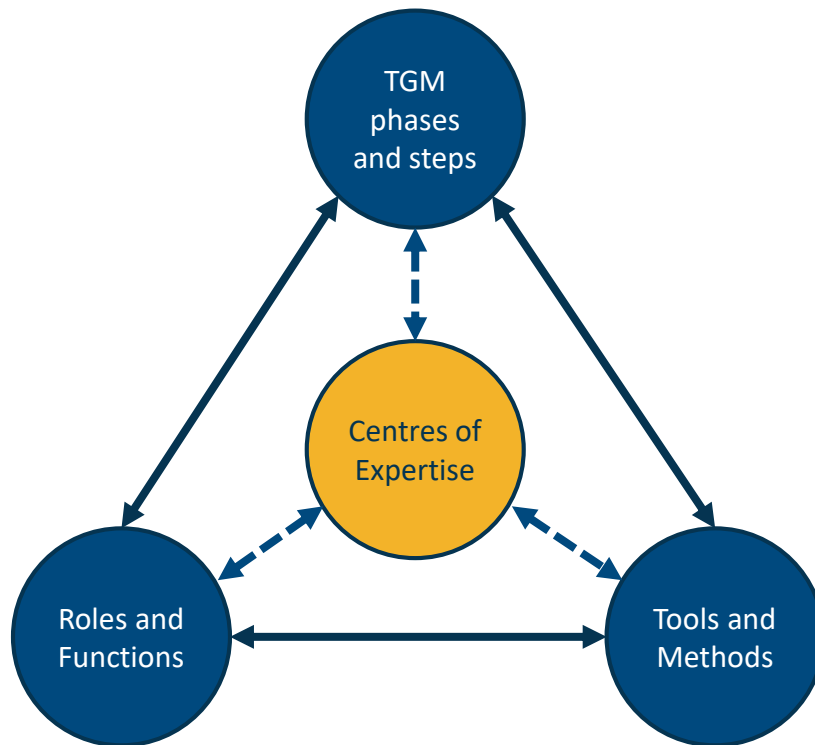


Free of charge and open source toolkit that allows to:

- **Connect innovative Crisis Management solutions to each other to enable an exchange of information between them**
- **Connect different simulators to create and control realistic crisis environments/scenarios**

TRAINING MODULE

BOTH E-LEARNING AND CONTACT PHASE



Multiple target groups:

- Trial organisers & CM practitioners
- Solution providers
- Technicians

Various didactics:

- E-lectures (video lectures)
- Quizzes
- Animations
- Video interviews
- Q&A and discussion forum
- Face-to-face workshops
- Group assignments

THE DRIVER+ TRIAL APPROACH

The Practitioners



1.

- Practitioner: describe gap(s) using predefined standardized taxonomy

2.

- Solution provider: indicate on how one or many gaps could be closed by one or many solutions

3.

- Trial Manager: definition of trial in order to validate different solutions to identify the best possible one

The Solution Providers



The Trial Manager





TRIALS + FINAL DEMO

Five events to operationalise and test both the solutions and the Test-bed components

1. Poland – Toxic mud flood (May 2018)
2. France – Forest fire (October 2018)
3. The Netherlands – Flooding (May 2019)
4. Austria – Earthquake (September 2019)
5. Poland and the Netherlands – Multi hazard (November 2019)



Based on updated Crisis Management gaps and practitioner needs



Benefiting from the DRIVER+ Test-bed components



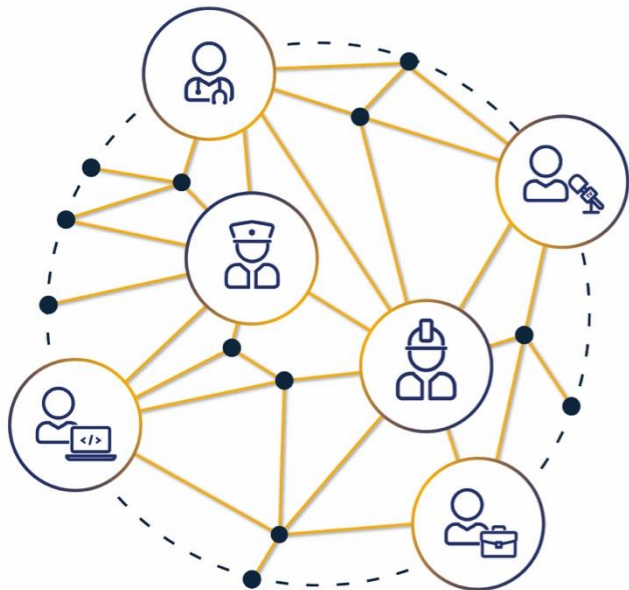
Testing the potential benefits of DRIVER+ Solutions and Test-bed at EU-level



All results to be made available in the Portfolio of Solutions

CRISIS MANAGEMENT INNOVATION NETWORK EUROPE

KEY MESSAGES / UNIQUE SELLING POINTS



Community of Practice with the aim to:

- **LinkedIn for Crisis Management Innovation in Europe (“One-stop shop”)**
- Foster innovation through **multi-stakeholder** and cross-sectoral interaction
- Contribute to an **enhanced understanding** of CM in Europe

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RESILOC H2020

Frankfurt, Germany

The RESILOC H2020 team is working to support local...

NO-FEAR

NO-FEAR

Novara, Italy

Network Of practitioners For Emergency medical ...



FIRE-IN

Aix-en-Provence, France

RE-IN has been designed to raise the security level o...



BroadWay

Brussels, Belgium

BroadWay is Procuring Innovation activity to ...



EUROPA THAT PROTECTS - ...

France

consolidate EU by CP reinforcement



TERRIFFIC



beAWARE



EXUS



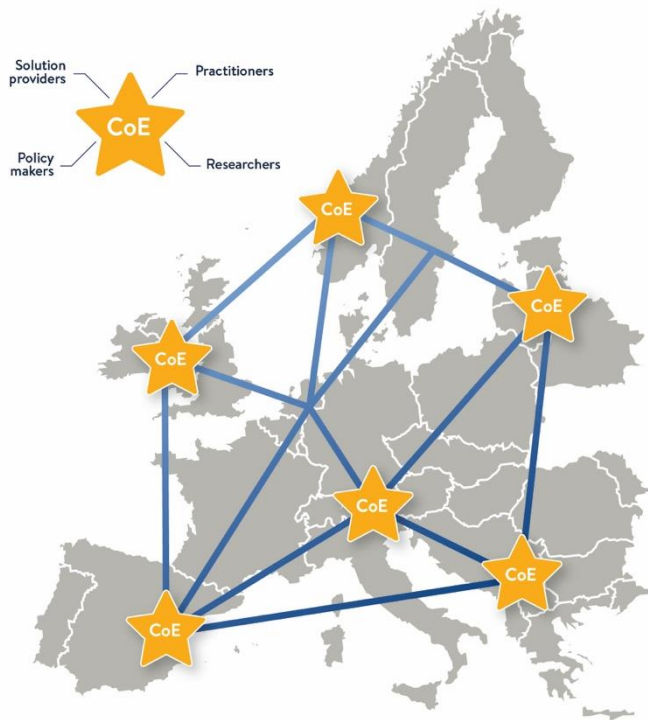
DRIVER+



HITEC Luxembourg

CENTRES OF EXPERTISE

KEY MESSAGES / UNIQUE SELLING POINTS



- Organisation that **supports the capability development and innovation management** of practitioner organisations at the national or regional level
- **Adopts** either the whole suite of **DRIVER+ outputs** or only some of its components
- Ambition to establish a **pan-European network**

PORTFOLIO OF SOLUTIONS

KEY MESSAGES / UNIQUE SELLING POINTS



Lessons identified
Gaps addressed
Knowledge database

EXPERIENCES

*Shared place where
stakeholders meet
around solutions*



SOLUTIONS

Crisis Management Functions
Technology Readiness Level
Innovation Stage

Open-source and interactive database for CM solutions (online market place) that:

- Provides access to information about **available CM solutions** (supply) and matches it with **practitioner needs** (demand)
- Enriches solution descriptions with **experiences** and lessons identified from practitioners
- Feel free to upload information on solutions yourselves (pos.driver-project.eu/)

OVERVIEW OF SOLUTIONS

Crisis Cycle Phase

- ☐ mitigation (14)
- ☐ preparedness (20)
- ☐ recovery (17)
- ☐ response (30)

Innovation stage

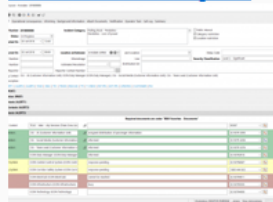
- ☐ stage 2 research and development (1)
- ☐ stage 3 initial piloting (6)
- ☐ stage 4 early adoption distribution (12)
- ☐ stage 5 market growth (8)
- ☐ stage 6 widescale adoption (4)

Crisis size

- ☐ crossborder (18)
- ☐ large scale (16)
- ☐ local (29)
- ☐ regional (28)

Solution of the day:

ICM - Incident & Crisis Management



PDF export



UAV-ASIGN

UAV-ASIGN is a software solution that helps reduce emergency and disaster response time by collecting and sending UAV photos and videos while in-flight even through low or constrained bandwidths.



SOCRATES OC

SOCRATES OC enhances analysis and decision-making capabilities by means of an improved shared situational awareness based on relevant information about the operational situation including crisis events, missions and resources, created by the operator or coming from external sources.



MDA command and Control system

MDA C4i system allows for efficient, real time response to tasks on the field (e.g. people in need for medical assistance), by allocating the site, allocating the resources needed and available, tasking the resources and following up the accomplishment.



3Di - Water Management

3Di is a cloud-based versatile water management instrument that enables flood forecasting and risk mapping. 3Di models are fast, accurate and visual.



LifeX COP

LifeX COP is a web-centric multi-user Solution developed by Frequentis to address the lack of a Common Operational Picture in the field of Crisis Management.



GDACSmobile

GDACSmobile is a support platform for collecting and sharing situational awareness information. It aims to serve two main target groups with different rights and roles: people concerned with disaster relief and the (affected) population itself.



CrowdTasker

CrowdTasker enables crisis managers to instruct large numbers of non-institutional (either spontaneous or pre-registered) volunteers with customizable tasks, contextual information, warnings and alerts, as well as to crowdsource information from them.



Rapid Mapping

DroneRapidMapping enables rapid mapping of incident/crisis area.



CrisisSuite

The main objective of CrisisSuite (online crisis management software) is to enable organisations to successfully manage information during a crisis.



IO-DA

On the one hand, the information about the crisis situation is brought thanks to the use of dedicated modelers: Partner modeler: This modeler allows the crisis manager to model crisis management stakeholders that can be mobilized in case of crisis situation and their capabilities.



Airborne and Terrestrial Situational Awareness

The solution "Airborne and Terrestrial Situational Awareness" is composed of several individual components and tools, which are integrated into a complete system, ready to be deployed in different scenarios.



HumLogSuite

HumLog Suite is a performance assessment platform that serves logistic processes in crisis management. It can operate on both current operational logistics network and fictional (planned) network configurations.



Emergency Mapping Tool (EMT)

EMT facilitates seamless exchange of information for stakeholders in the crisis management.



Debris Tool

The Debris Tool is a software based solution designed to amalgamate various defined inputs from the field, historic survey data and other sources, for the prediction and modelling of waste and debris removal options in a post-crisis environment.



PROTECT

Using the know-how and expertise acquired during the development of the CECIS tool, the PROTECT application is a web-based alert and notification system for emergency (and early warnings) situations concerning civil protection.



Scenario enabled Psychological First Aid (PFA) training

The scenario enabled psychological first aid (PFA) training comprises knowledge on what PFA is, guidelines on how to perform PFA and an experiential training package to build the capacity to deliver quality PFA.



Social Media Analysis Platform



I-REACT



XVR Crisis Media



SE-Star : THALES Crowd

ADVANTAGES TO PRESENT YOUR SOLUTION ON THE POS

1. You make your solution visible to the community of European Crisis Management practitioners and other stakeholders
2. By describing use cases of your solution you match the description of your solution (using CM functions) your solution can be selected to match the gaps of the European practitioners
3. You are getting aware of similar or complementary solutions provided by other institutions

You can take a first look on the PoS solutions here: <https://pos.driver-project.eu/PoS/solutions>

Register to the Portfolio of Solutions today!

<https://pos.driver-project.eu/>

CONTACT

REACH US



@driver_project



Groups:
Driver Project



Driver Project

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