**What?**
EU FP7 demonstration project (SEC-2013.4.1-1)
31 partners from 15 countries

**Who?**
- Crisis Management professionals
- Industries/SMEs
- Researchers

**How?**
Integration and validation of emerging solutions through Trials

**When?**
Original Start/end date: May 2014 - Oct. 2018
Restart/ end date: Sept. 2017 - April 2020
THE OBJECTIVES

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
OBJECTIVE 1: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT
AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS

1. Providing a pragmatic step-by-step guidance to conduct Trials
2. Providing a reference implementation for all DRIVER+ Trials
3. Providing general guidance and the technical infrastructure of the Test-bed to support the Trials
4. Creating a demonstration infrastructure where stakeholders can collaborate in trialling and evaluating new tools, processes or organisational solutions
OBJECTIVE 2: TO DEVELOP A PORTFOLIO OF CRISIS MANAGEMENT SOLUTIONS
A DATABASE-DRIVEN ONLINE CATALOGUE

1. Documenting and **presenting details on solutions** tested and evaluated during the DRIVER+ Trials

2. Allowing for the introduction of **third party solutions** already used by practitioners or relevant to Crisis Management

3. Supporting the **sharing of user experiences**, and thereby, easing the successful implementation and usage of solutions for other practitioners
### OBJECTIVE 3: TO FACILITATE A SHARED UNDERSTANDING IN CRISIS MANAGEMENT

ENHANCING THE COOPERATION FRAMEWORK

| 1. | Building and structuring a dedicated **Community of Practice in Crisis Management** to facilitate identification of best practises and sharing of lessons learnt |
| 2. | Cooperating with CM experts, practitioners and solution providers external to DRIVER+ |
| 3. | Organising **I4CM events (Innovation for Crisis Management)** that bring together solution providers, practitioners at local/regional level and relay the Community of Users on European level |
| 4. | Developing new standards and/or contributing to ongoing and future **standard development** |
| 5. | Organising **3 Policy-Research Roundtables** to exchange with policy-makers on project results and potential EU policy implications |
HOW WILL WE REACH THE OBJECTIVES?

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

TRIALS
Poland, France, Austria, The Netherlands

FINAL DEMO
Poland/Italy

To develop a comprehensive Portfolio of Crisis Management Solutions

To facilitate a shared understanding in Crisis Management across Europe
TRIALS

4 EVENTS TO OPERATIONALISE AND TEST
BOTH THE SOLUTIONS AND THE TEST-BED COMPONENTS

Poland, France, Austria, The Netherlands

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
FINAL DEMONSTRATION

1 EVENT TO SHOWCASE THE SOLUTIONS, THEIR EFFICIENCY AND EU ADDED-VALUE

Italy and Poland

Building upon the results of the Trials and the lessons learnt from reference implementations and design validation of the Test-bed

Showcasing the benefits that DRIVER+ Solutions and Test-bed may represent at the EU-level and for the Emergency Response Coordination Centre (ERCC) activities in particular
HOW WILL WE INCREASE THE IMPACT?

Test-bed

TRIALS
Poland, France, Austria, The Netherlands

FINAL DEMO
Poland/Italy

Portfolio of Solutions

Shared understanding

I4CMs
Poland, Denmark

POLICY-DIALOGUE ROUNDTABLES
Poland, Denmark, Belgium

EXTERNAL COOPERATION
An inclusive approach
The Trial-oriented environment developed in the project is designed to allow systematic testing of solutions in realistic but non-operational contexts (Trials) to help practitioners in assessing solutions that can drive innovation (changes) before adopting them.
PHASES OF THE TRIAL GUIDANCE METHODOLOGY

SYSTEMATIC AND COLLABORATIVE APPROACH

Preparation

Execution

Evaluation

DR1 → DR2 → Trial

Quality → Analysis → Synthesis
DRIVER+ PORTFOLIO OF SOLUTIONS
A CENTRAL REPOSITORY TO SHARE INFORMATION ABOUT INNOVATION

Online database to document and to provide insight into practitioner information, practitioners needs, available Solutions, and experiences and lessons identified from Trials.

PoS DB contributes towards a shared understanding of crisis management across Europe, but also towards improved handling of the crisis situations, by making it easier to adopt new innovative Solutions.
SOLUTION “OFFER”

WHICH CM FUNCTIONS ARE ADDRESSED? HOW DOES SOLUTION WORK?

Second tab explains how the Solution really works and which CM-functions it supports.
STEPS AND PHASES IN TRIALS

Pre-trial phase
- 2-6 months

Initial Phase
- 1-6 months

Main preparation phase
- 3-6 months

Maturation phase
- 1-2 months

Final phase
- 1-2 weeks

Recapitulation phase
- 1-2 months

Evaluation

Preparation
Execution
Evaluation

KoM

Workshop “0”

Dry Run #1

Dry Run #2

Evaluation & Reporting
UPDATED GAPS ASSESSMENT

VALIDATION WORKSHOP

38 external stakeholders

• From FR, NL, DE, IT, SE, PT, PL, GR, EU-ERCC
• Mainly practitioners: fire-fighters and incident commanders from local to national levels, red-crosses, police officers, national authorities for CBRNE issues, water boards, military officers,...
• Some academics

Five main categories of gaps

• Decision support (4)
• Information sharing, situational awareness and coordination (5)
• Engaging the population (warning, crowd-sourcing, crowd-tasking volunteers) (5)
• Resource planning and logistics (4)
• Casualty management (3)
LIST OF GAPS FOR TRIAL 1

SELECTED AND VALIDATED GAPS

- Gap T1.1: Limitations in the ability to model real-time (response phase) or pre-event (preparedness phase) dynamics of the chemical and radiological threat and visualisation of obtained results in a form that can be used directly by the Head of the Rescue Operations.

- Gap T1.2: Lack of a Common Operational Picture (COP) environment to integrate data sources and calculation results from different models crucial for decision making process from the perspective of Head of Rescue Operation.

- Gap T1.3: Limitations in the cross vulnerabilities (people, property, environment) assessment to optimize task prioritization and decision making.

- Gap T1.4: Insufficiencies in terms of resource management (humans resources, hardware, etc.) during multistakeholder long-term rescue operations.

- Gap T1.5: Lack of effective public warning system with the ability to verify whether the information reached the recipient.
SCENARIO OF THE TRIAL

A FAILURE OF TURNCOCK CAUSING A RAPID RELEASE OF SIGNIFICANT AMOUNT OF A FLUID TOXIC MUD TO RESERVOIR. DIKES OF RESERVOIR ARE WEAKENED AFTER PROLONGED RAIN AND THEY BREAK UNDER ADDITIONAL PRESSURE.
SELECTED SOLUTIONS : TRIAL 1 (MAY 2018, POLAND)

25 RESPONSES ON OPEN CALL FOR APPLICATIONS – 13 INVITED SOLUTIONS – FINALLY: 4 SOLUTIONS SELECTED

3DI – NELEN AND SCHUURMANS

NOWFORCE – NOWFORCE

SOCRATES OC – GMV (DRIVER+ PARTNER)

DRONE RAPID MAPPING – CREOTECH
PARTICIPATION OF PRACTITIONERS AND SOLUTION PROVIDERS

HOW?

To identify and update **needs and gaps** in Crisis Management

To develop **scenarios** as a basis for the DRIVER+ Trials

To integrate **solutions** for the Trials

To prepare and conduct the **Trials**

To evaluate the solutions and derive **lessons learnt**

To participate in **workshops, conferences** and dialogue **roundtables**

To join the **Online Community Platform** to exchange on best practices, future trends etc.

To prepare **reference documents, guidelines and standards**
THE CMINE
CRISIS MANAGEMENT INNOVATION NETWORK EUROPE

1. An active and structured Community of Practice in the field of Crisis Management
2. Closely aligned with the Community of Users (CoU)
3. Complementing already existing initiatives
4. Established in an attempt to address the fragmentation of the Crisis Management landscape
5. Enabling all stakeholders to exchange, share knowledge and best practices
THEMATICAL WORKING GROUPS
THE IN-PERSON ENVIRONMENT

In-person gatherings

Bi-annual cross-thematic working sessions
CURRENT PROGRESS

3RD EDITION OF THE I4CM

Innovation for Crisis Management (I4CM)

Warsaw, Poland
3rd and 4th of September, 2018
Copernicus Science Centre

Are you a practitioner in the field of Crisis Management?
Are you a solution provider?
Are you involved in a related project or initiative?
Are you a policy-maker impacted by Crisis Management issues?

SAVE THE DATE!
More information to come soon. Stay tuned!
www.driver-project.eu

The 3rd edition of the I4CM event organised by the DRIVER+ project has been designed for you and will be visiting Poland in 2018! This event will provide a platform allowing practitioners, solution providers and policy-makers from the region and beyond to meet and exchange on best practices and lessons learnt.
Focusing on standardisation and regional-national pressing issues, this event will also be the occasion to present the results of the first DRIVER+ trial to be organised in May 2018 in Warsaw and to give a view on the second one to be organised in October 2018 in France.
HIGH LEVEL OVERVIEW – FULL PLANNING (UPDATED)

January 2018
Gaps & Needs assessment workshop

February 2018
Trials workshop 0 (Poland)

September 2018
I4CM#3 + Standardisation needs identification workshop (Poland)

December 2018
I4CM#4 (Denmark)

November 2019
Final Demo (Italy/Poland)

February 2020
Final Conference (Belgium)

2018

May 2018
Trial #1 (Poland)

June 2018
1st Policy-Research Dialogue Roundtable (Belgium)

October 2018
Trial #2 (France)

2019

October 2018
Trial #2 (France)

December 2018
2nd Policy-Research Dialogue Roundtable (Denmark)

May 2019
Trial #3 (The Netherlands)

October 2019
Trial #4 (Austria)

2020

December 2018
2nd Policy-Research Dialogue Roundtable (Denmark)

February 2020
3rd Policy-Research Dialogue Roundtable (Belgium)
THANK YOU.
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