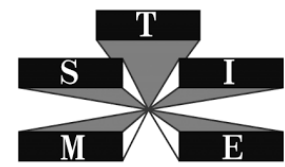


Driving innovation in Crisis Management for European resilience (DRIVER+)

Peter Petiet (TNO) & Michael Löscher, Stéphanie Albiéro (ARTTIC)



DRIVER+ will seek to improve the way **capability development** and **innovation management** are tackled, by **testing** and **validating** (in realistic environments) **solutions** that are addressing the operational needs of practitioners dealing with Crisis Management.

"DRIVING INNOVATION IN CM FOR EU RESILIENCE"



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

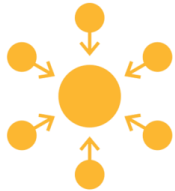
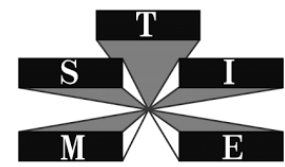
When?

Original Start/end date: May 2014 - Oct. 2018
Restart/ end date: Sept. 2017 - April 2020



A PRACTITIONER-DRIVEN APPROACH

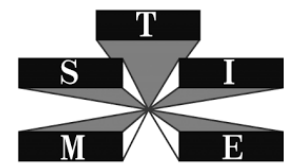
FROM SOLUTION-DRIVEN TO NEEDS-DRIVEN



In order to provide a European answer to the challenges Crisis Management is facing today and tomorrow, the involvement of as many concerned stakeholders as possible is essential.

The selection of solutions to be tested within DRIVER+, should be provided by current partners and external organisations to extend the knowledge base. The process should be neutral and transparent, and both the review and selection should be driven by the end-users.





THE OBJECTIVES



To develop a comprehensive
**Portfolio of Crisis
Management Solutions**



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



To facilitate a shared
understanding in Crisis
Management across
Europe



OBJECTIVE 1: 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

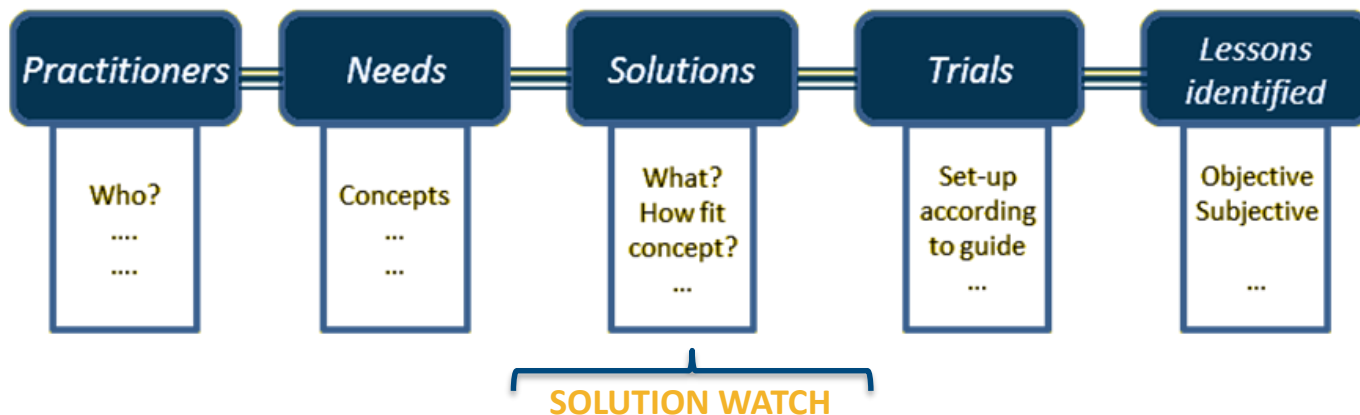
3.

Supporting the **sharing of user experiences**, and thereby, easing the successful implementation and usage of solutions for other practitioners



OBJECTIVE 1: TO DEVELOP A PORTFOLIO OF CRISIS MANAGEMENT SOLUTIONS

A DATABASE-DRIVEN ONLINE CATALOGUE



Information
Management



Civil
participation



Training and
education



Decision making

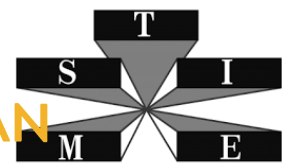


(Cross-border)
cooperation



OBJECTIVE 2: 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

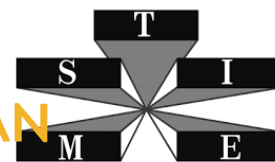
4.

Creating a **demonstration infrastructure where stakeholders can collaborate in trialling and evaluating** new tools, processes or organisational solutions



OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS



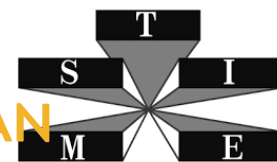
REAL-LIFE





OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS



REAL-LIFE

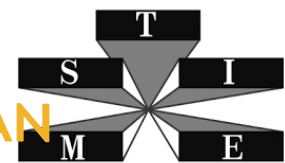


SIMULATORS



OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS



REAL-LIFE

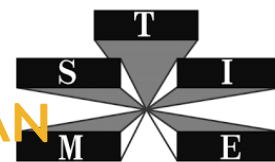


SIMULATORS



OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS



Step-by-step
guidance

- Online tool
- Forms/ Checklists
- Context-dependent

Technology
performance



Trial
performance

Educational
aspects:

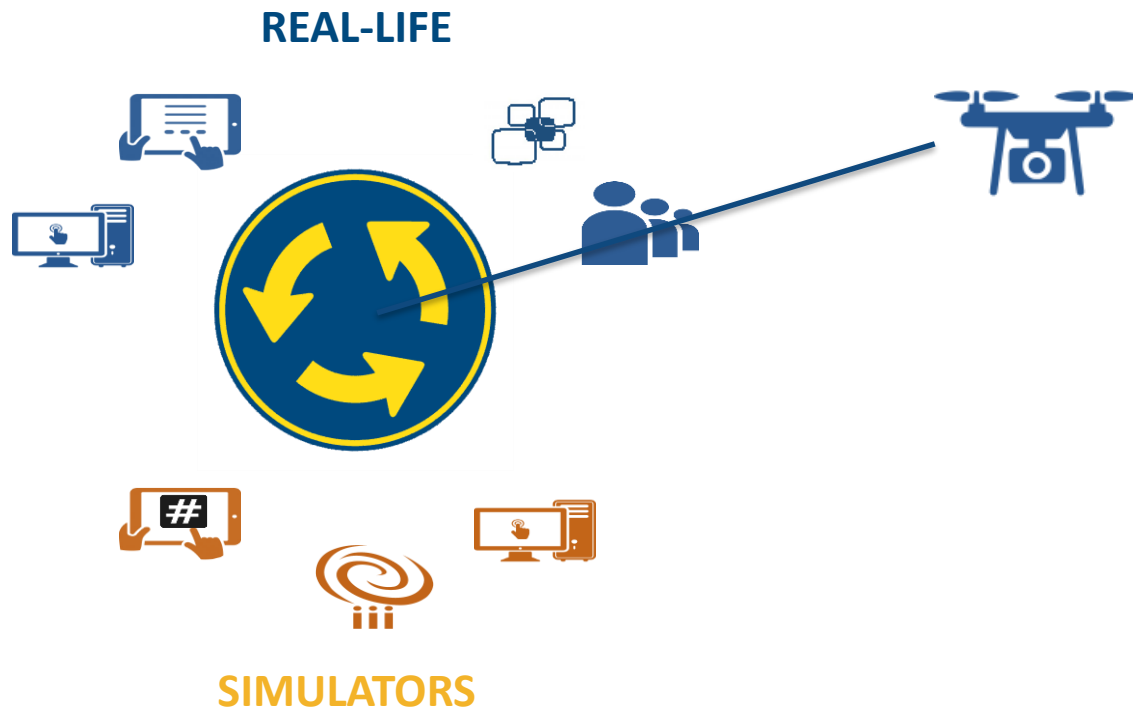
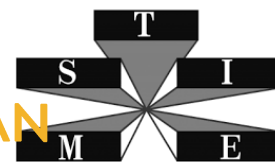
- Online modules
- How-to trial
- How-to assess

Crisis management
performance



OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

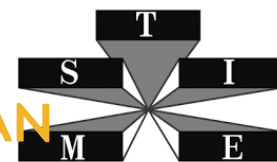
AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS





OBJECTIVE 2: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS



Technology
performance

Trial
performance



Assessment

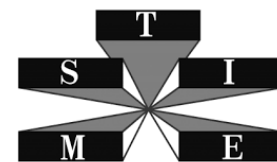
- Lesson identified
- Benchmarking
- Generalisation

Crisis management
performance



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

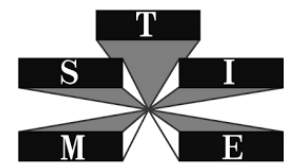
4.

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

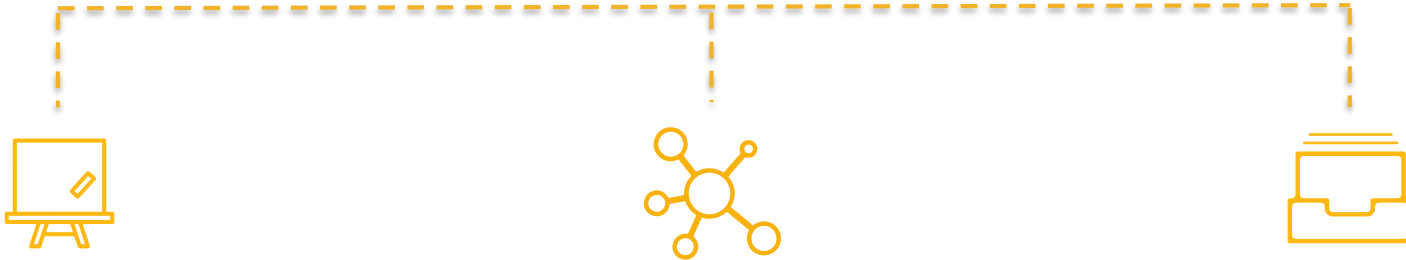




TRIALS

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

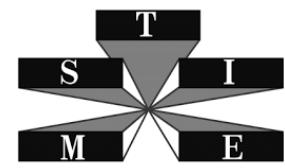
Poland, France, Austria, The Netherlands



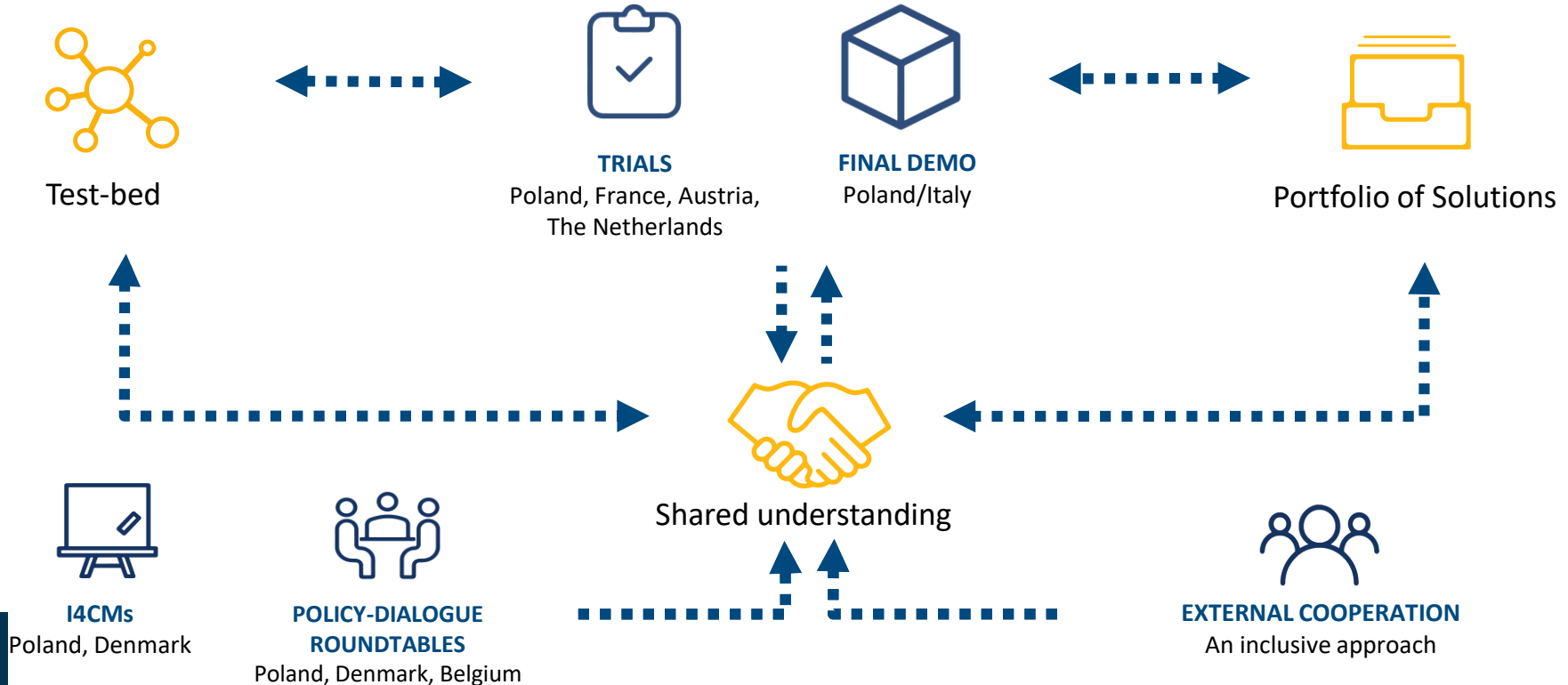
Based on updated Crisis
Management gaps and
practitioner needs

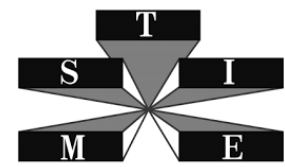
Benefiting from the DRIVER+
Test-bed components

All results to be made available
in the Portfolio of Solutions



HOW WILL WE INCREASE THE IMPACT?





INNOVATION FOR CRISIS MANAGEMENT (I4CM) EVENTS



UNIQUE LOCAL EXCHANGE FORUMS ON PRACTITIONERS' NEEDS AND SOLUTIONS

Poland and Denmark



To address pressing regional issues to be solved, identify best practices, foster synergies, and address issues of common interest



To exchange on (future) needs of practitioners, already available promising solutions to address them and those that are still to be developed



To provide a relay towards the European level



POLICY-RESEARCH DIALOGUE ROUNDTABLES

STRENGTHENING THE POLICY-RESEARCH DIALOGUE ON RESEARCH AND DEMONSTRATION ACTIVITIES IN CRISIS MANAGEMENT

Poland, Denmark and Belgium



Two before the trials and final demonstration to allow exchanges on the potential EU policies to be addressed and the involvement of DG HOME, DG ECHO /ERCC staff



One after the events to allow exchanges on the results and the potential policy implications

Atos

TNO

AUSTRIAN RED CROSS | RESEARCH
SPRINT

THALES

ARTIC
INTERNATIONAL MANAGEMENT SERVICES

E S
EUROPEAN ORGANISATION FOR SECURITY

DLR

DANISH
RED
CROSS



ECORYS



PRIO

EDISOFT
DEFENCE & AEROSPACE TECHNOLOGIES



FREQUENTIS

HKV

A THALES Group Company

ITTI
e-technologies & business

XVR

PSCEurope
Public Safety Communication Europe

DIN

AIT
AUSTRIAN INSTITUTE
OF TECHNOLOGY

WESTFÄLISCHE
WILHELMS-UNIVERSITÄT
MÜNSTER

SDM
IIMCO

VALABRE
ANTICIPER VOTRE PRÉSENT

Den Haag

ARMINES

MAGEN
DAVID
ADOM
IN ISRAEL



מגן דוד
אדום
בישראל

gmv
INNOVATING SOLUTIONS



SISEKAITSEAKADEEMIA
ESTONIAN ACADEMY OF SECURITY SCIENCES

Disaster
Waste
Recovery

CITET



EXTERNAL COOPERATION

THE PROJECT OPENING UP TO THE EXTERNAL WORLD

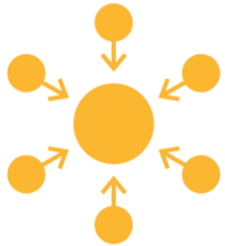


Identify external innovative solution providers and interested practitioners

Enable their participation and direct technical contribution to DRIVER+ trials, to ensure their high quality, relevance and appropriateness

PARTICIPATION OF PRACTITIONERS AND SOLUTION PROVIDERS

FOR WHAT?



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**

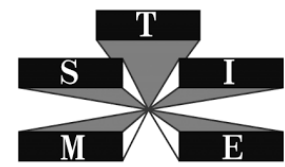
To participate in **workshops, conferences** and dialogue **roundtables**

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

To prepare **reference documents, guidelines and standards**

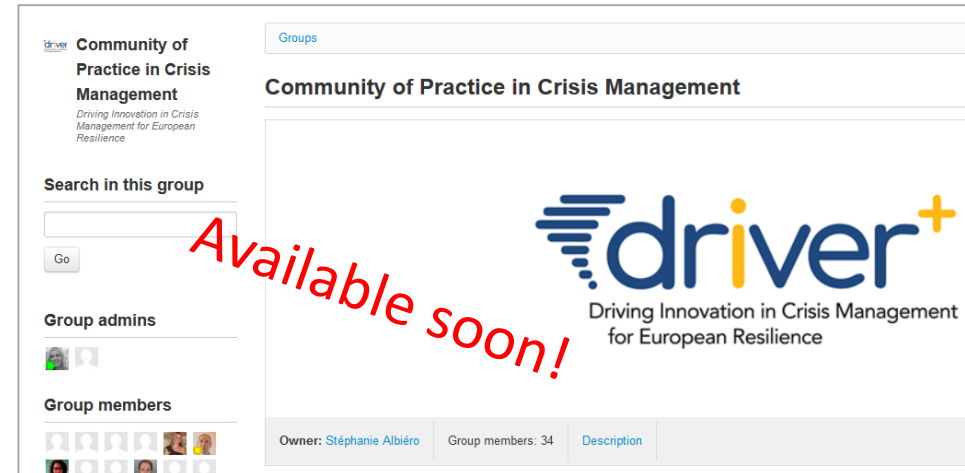
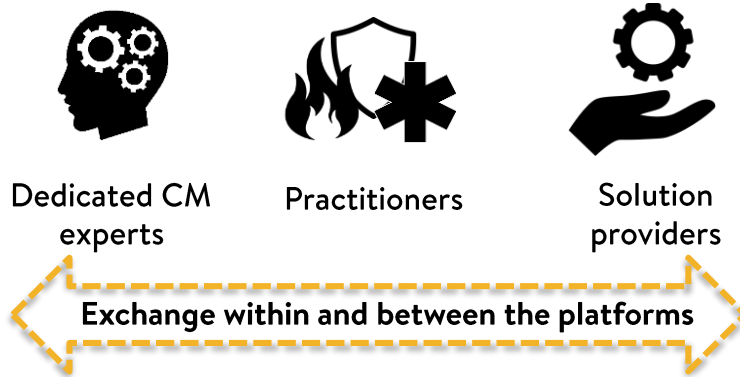
HOW TO JOIN AND HOW TO CONTRIBUTE?

WHERE TO SIGN UP?



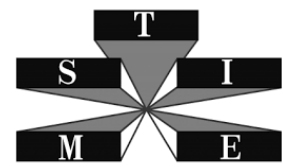
- Sign up on the DRIVER+ platforms for External Cooperation
- The platforms for External Cooperation will be subsets of the Crisis Management Innovation Network, which is supported by the Online Communication Platform (OCP)

Preliminary version of the OCP



FACILITATING EXCHANGES AMONGST STAKEHOLDERS

HOW?



By providing **tools, channels and forums** to facilitate exchanges and cooperation



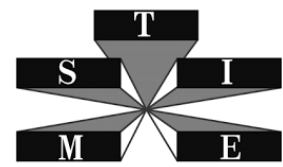
By ensuring close **liaison and seeking engagement** with relevant stakeholders



By translating all project outcomes into a dynamic and gradually strengthened **reference document**

FACILITATING EXCHANGES AMONGST STAKEHOLDERS

HOW?



Tools, channels and forums
to facilitate exchanges and cooperation



**Providing an
Online Community
Platform**



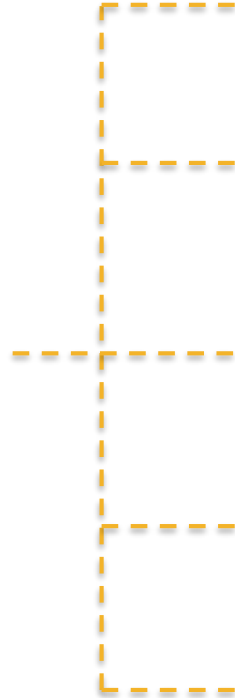
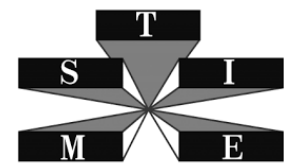
**Supporting events organised
for the CM community at
the EU level (CoU)**



**Organising events addressing the
CM practitioners and
stakeholders at regional level and
providing a relay towards EU level**

THE ONLINE COMMUNITY PLATFORM

THE AIMS



To **structure** the Community

To **facilitate the connections and exchanges** between the members of the Community

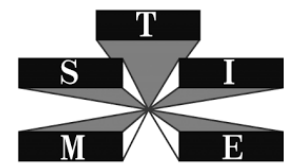
To **complement and link** already existing tools (DRMKC, CoU website, PoS, etc.)

To provide a space allowing **exchanges beyond the physical events**

To support the organisation of events and the **identification of key expertise/knowledge**

THE ONLINE COMMUNITY PLATFORM

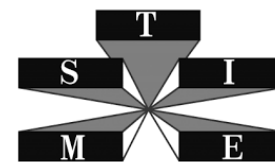
EXPECTED OUTCOMES



- Facilitate **effective collaboration**, enable collective intelligence and learning, support better decisions and forecasts in a complex collaborative world; avoid loss of information
- Allow **better collaborative decisions and problem solving**: reflecting multiple view points; developing effective consensus
- Build **knowledge bases**, by sourcing collective expertise
- **Wisdom of the crowd**: letting crowds learn; turning decision-making into a more transparent process

THE ONLINE COMMUNITY PLATFORM

HOW DOES IT WORK?



The screenshot shows the CMT (Community Management Tool) interface. At the top is a navigation bar with 'CMT', 'Dashboard', 'Groups', 'Members', and 'Content'. A search bar and 'Account' link are on the right. The left sidebar contains links for 'Activity', 'Events', 'Files', 'News', 'Schedulings', 'Edit Group Layout', 'Mail Members', 'Manage join requests', 'Search in this group' (with a search box and 'Go' button), 'Group admins', 'Group members' (with a grid of member avatars and a 'View all members' link), and 'Sub-Groups'. The main content area is titled 'Community of Practice in Crisis Management' and features the 'driver+' logo with the tagline 'Driving Innovation in Crisis Management for European Resilience'. Below the logo, it shows 'Owner: Stéphanie Albiero' and 'Group members: 34'. There are buttons for 'Edit group', 'Invite users', 'Create a Sub-Group', and 'Add widgets'. The 'Events' section lists two events: 'DRIVER+ Kick-off Meeting' on Sep 25 (78 attendees) and 'DRIVER+ Kick-off Meeting - Tuesday, 26 September 2017' on Sep 26 (5 attendees). The 'Files' section shows an 'Upload a file' button and 'No files'.

THE ONLINE COMMUNITY PLATFORM

WHO IS WHO

- Link-up with like-minded professionals
- Identify key expertise
- Exchange on topics of common interest


CMT

Dashboard

Groups

Members

Content



Add contact

Report user

Send a message

Bookmarks

Events

Files

Pages

Polls

Questions

Scheduling

Videos

Michael Löscher

Last name: Löscher

First name: Michael

Title: Mr

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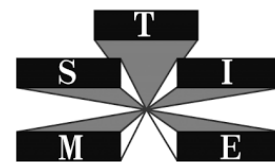
Postal Code: 80333

Website: <http://www.arttic.eu>

Linkedin:
[Michael Löscher](#)

NEXT STEPS

IMPROVEMENTS TO COME & LAUNCH OF THE PLATFORM



- New visual identity
- New features (Poll, knowledge factory, etc.)
- New user interface to ensure a better user experience
- Simplified registration process
- Creation of sub-communities

COME & REGISTER AT THE END OF THE SESSION



January 2018

Gaps & Needs assessment workshop



February 2018

Trials workshop 0 (Poland)



June 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 2019 2020



June 2018

Trial #1 (Poland)



October 2018

Trial #2 (France)



May 2019

Trial #3 (Austria)



October 2019

Trial #4 (The
Netherlands)



February 2018

1st Policy-Research Dialogue
Roundtable (Poland)



December 2018

2nd Policy-Research Dialogue
Roundtable (Denmark)



February 2020

3rd Policy-Research Dialogue
Roundtable (Belgium)



January 2018

Gaps & Needs assessment workshop



February 2018

Trials workshop 0 (Poland)



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December 2018

I4CM#4 (Denmark)



November 2019

Final Demo (Italy/Poland)



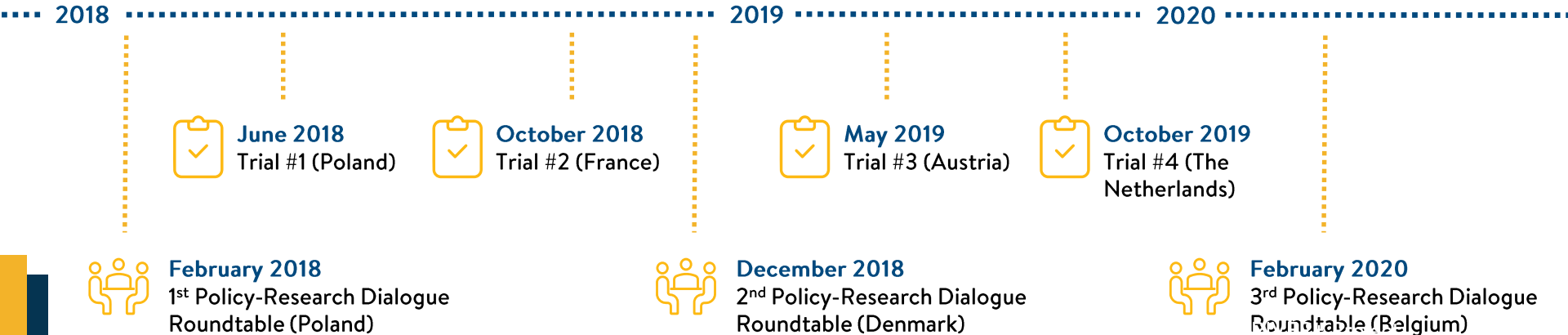
February 2020

Final Conference (Belgium)

JOIN US IN 2018 FOR

**Gaps & Needs
assessment workshop
on 16-17 January 2018
(Valabre, France)**

THE TIMELINE





January 2018

Gaps & Needs assessment workshop

JOIN US IN 2018 FOR

THE TIMELINE

**I4CM - Innovation for
Crisis Management
event in June 2018
(Warsaw, Poland)**



February 2018

Trials workshop 0 (Poland)



June 2018

I4CM#3 + Standardisation needs
identification workshop (Poland)



December 2018

I4CM#4 (Denmark)



November 2019

Final Demo (Italy/Poland)



February 2020

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2019

2020



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Roundtable (Denmark)



February 2020

3rd Policy-Research Dialogue
Roundtable (Belgium)



January 2018

Gaps & Needs assessment workshop

JOIN US IN 2018 FOR

THE TIMELINE

Trial 1 on 'Cross-Border Tasking and Resource Management connected gaps in June 2018 (Warsaw, Poland)



February 2018

Trials workshop 0 (Poland)



June 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

2019

2020



June 2018

Trial #1 (Poland)



October 2018

Trial #2 (France)



May 2019

Trial #3 (Austria)



October 2019

Trial #4 (The Netherlands)



February 2018

1st Policy-Research Dialogue Roundtable (Poland)



December 2018

2nd Policy-Research Dialogue Roundtable (Denmark)



February 2020

3rd Policy-Research Dialogue Roundtable (Belgium)



January 2018

Gaps & Needs assessment workshop

JOIN US IN 2018 FOR

THE TIMELINE

**Trial 2 on 'High level
coordination of various bodies
in a multiple incident scenario'
in Oct 2018 (Valabre, France)**



February 2018

Trials workshop 0 (Poland)



June 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 2019 2020



June 2018

Trial #1 (Poland)



October 2018

Trial #2 (France)



May 2019

Trial #3 (Austria)



October 2019

Trial #4 (The
Netherlands)



February 2018

1st Policy-Research Dialogue
Roundtable (Poland)



December 2018

2nd Policy-Research Dialogue
Roundtable (Denmark)



February 2020

3rd Policy-Research Dialogue
Roundtable (Belgium)

IDENTIFIED AREAS OF COOPERATION @ KICK-OFF MEETING



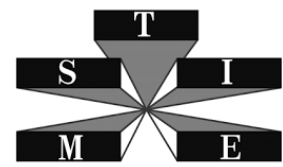
TIEMS AND DRIVER+

- 1) DRIVER+ to present the Online Community Platform (OCP) to TIEMS to explore the use of this tool within the TIEMS community.;
- 2) TIEMS to inform about DRIVER+ (via newsletter and at TIEMS annual event 2017) and the efforts with respect to the establishment of a Community of Practice on Crisis Management (CoPCM) DRIVER+ contributes to. Interested TIEMS members may also join the CoPCM for specific topics and to provide specific expertise and knowledge, e.g. for the preparation of DRIVER+ Trials;
- 3) DRIVER+ to inform about the DRIVER+ Test-bed and in particular about training and learning modules as part of the guidance methodology);



Other opportunities?

NOW... LETS MAKE THIS A 'WORKSHOP'!



- Do you have any questions on the DRIVER+ project from what you heard?
- We have some questions for you:
 1. Are there related initiatives on *innovation in Crisis Management* in your country/region? Can you share some success stories?
 2. What are the *main challenges for involving practitioners* in RDI?
 3. What do you expect from *training modules* educating practitioners on how to trial CM solutions?
 4. What *tools you need for sharing best practises and lessons learnt* on a global level?

CONTACT

REACH US



@DRIVER_project



Groups:
DRIVER Project



DRIVER Project

More information about the project - coordination@projectdriver.eu
Interested in collaborating with us? - cooperation@projectdriver.eu
Communication and media contact communication@projectdriver.eu



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n° 607798. The information and views set out in this presentation are those of the author(s) and do not necessarily reflect the official opinion of the European Union



driver-project.eu