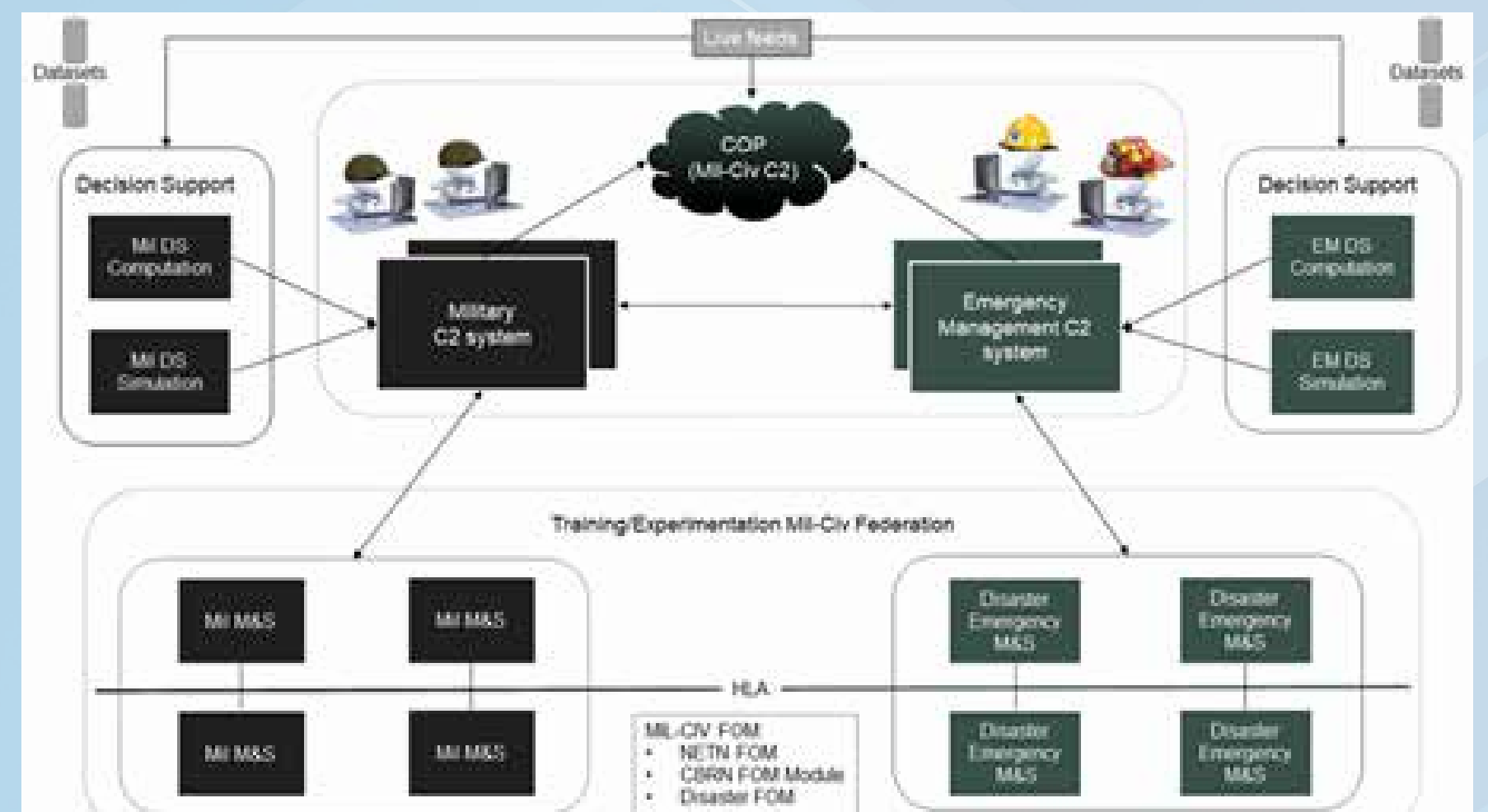


COPDCM – COMMON OPERATIONAL PICTURE DISASTER AND CRISIS MANAGEMENT

The aim of the project is to develop a technical platform capable of supporting and conducting crisis management, decision making support, as well as situational awareness analysis in order to enhance decision-making processes. This is established by linking crisis and disaster management models, simulations and C2-tools and thereby establishing a unique decision support environment for civil and military crisis management. A significant advantage is the facilitation of civilian-military cooperation (CIMIC) operations. The main project objective is directed towards the development of a Recognized Common Operational Picture (COP) for civilian and military entities in a crisis. The intended values added are to conceive the theoretical and technical framework required for the establishment of a holistic crisis analysis, planning, and decision-making support mechanisms as well as to derive insights that can support training and education. The image to the right represents the architecture used in the project.



Participating Members



Consortia/Organization

Sicyon Risk Consulting | FFI | DLR

Objectives

- » The research project runs from May 2019 to May 2022.
- » To develop a working (demonstrated) prototype composed of connected modules and applications that allow decision makers during an emergency to obtain and share situational awareness data, facilitate Command, Control and Coordination and support decision-making based on data and models, both stored pre-incident data (historical) and captured data during the incident (real-time).

Work Strands

- » The project applies a Concept Development and Experimentation (CD&E) approach. In the course of the project multiple conceptual and technical preparatory workshops are concluded before Limited Objective Experiments (LOE) are conducted. Intermediary end-user assessment workshops and conceptional research complements the technical development.
- » LOE1 and LOE1a explored the transfer of information from federated simulations to military and civilian C2IS.
- » LOE2 explored the information exchange between military and civilian C2IS,

the integration of external map data as well as the establishment of a Common Operational Picture.

- » LOE3 will explore the integration of real time data into the civilian and military COP.

Way Ahead

- » The third experiment is scheduled for the 2nd half 2021: end-user/Sim civ C2/ mil C2 (including RT-data)
- » The project results will be validated in an end-user workshop and experimented in an end-user exercise.

The project supports CDP priority "Cross-domain capabilities contributing to achieve EU level of ambition" by enhancing civilian military interaction, enhancing decision-making processes during crisis management and ultimately enhance member state ability for comprehensive resilience in times of crisis.

Related TBBs

- OSRA TBB132 - Joint Strategic, Operational and Tactical level simulators- Single European Sky Air Traffic Management Research (SESAR)

Contact
Veronica Guidetti CapTech Simulation Moderator
veronica.guidetti@eda.europa.eu

EDA Activities
www.eda.europa.eu/what-we-do/all-activities