

SOCRATES OC SOLUTION PRESENTATION FOR TRIAL 1

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C3 SUPPORT SOLUTION FOR OPERATION CENTRES

Effective incident response needs

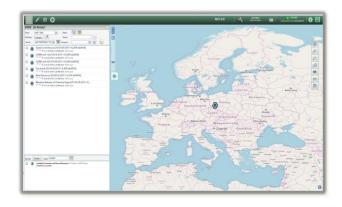
- structured command and control and
- efficient coordination and cooperation

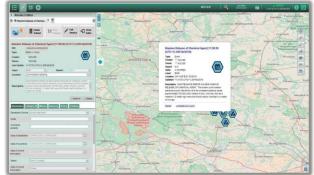
amongst organizations, agencies and other parties.

(ISO 2230 - Societal security — Emergency management — Requirements for incident response)

Socrates OC supports C3 and *decision-making* process by providing *COP-based* sharing of situational awareness and tasking & resource management features in crisis scenarios.

It enables setting up a network of *Operations Centres* based on the exchange of relevant information about the operational situation which is displayed on a GIS-supported COP





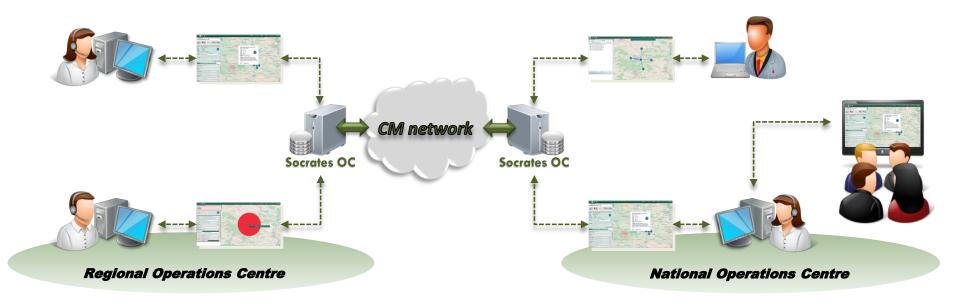
MAIN FEATURES

Socrates OC is a shared situational awareness tool developed by **GMV** which depicts the <u>Common Operational Picture</u> in a CM scenario.

It allows data exchange between different *Socrates OC* instances, enabling the <u>reporting and tracking of events and inter-organizational tasking</u> (mission assignment) <u>and resource management</u> (request, offer and transfer of resources).

- Events and their associated missions and resources are displayed in a GIS (Geographic Information System).
- Data about them are stored in a DB fully compliant with ISO's **EMSI** (*Emergency Management Shared Information*) one of the standards supported by the test bed –.
- These data are replicated amongst connected Socrates OC instances, which can additionally interact for tasking and resource management.

CRISIS MANAGEMENT NETWORK



SOCRATES OC TRIAL 1 PERSPECTIVE

CM FUNCTIONS ADDRESSED

CM Function	User stories
Maintain shared situational awareness	 The solution can be used to: (automatically) collect, store and share operational information about the crisis situation (including events, related missions and resources) and visualize this operational information in a situation map, so that: shared situational awareness amongst Operations Centres is improved, helping crisis managers and incident commanders make better informed decisions based on the current operational situation
Support C3 decision making	
Conduct coordinated tasking and resource management	 The solution can be used to: monitor resources (including their status and positions) and check their availability and request them to other nodes in the CM network, so that: resources can be more efficiently allocated to missions and events and the existing needs can be more reliably determined and efficiently satisfied
	 The solution can be used to: create own missions and monitor their progress, and assign missions to other nodes in the CM network, so that: several OCs can contribute in a coordinated way to the joint effort

OPERATIONAL PERSPECTIVE

Example:

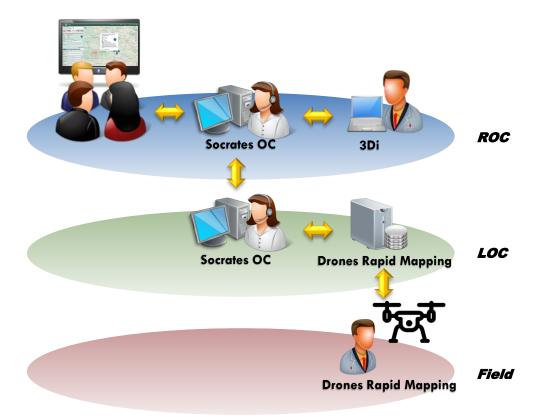
Two levels of command:

Regional & Local Operations Centres.

Cross-border:

Replication of this structure (or part of it) in two countries.

On-field assets.



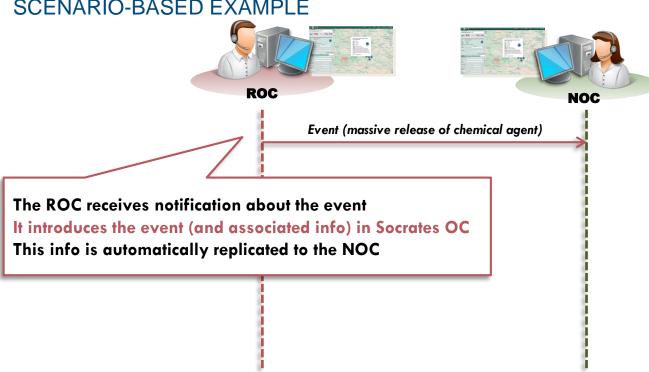
SCENARIO-BASED EXAMPLE

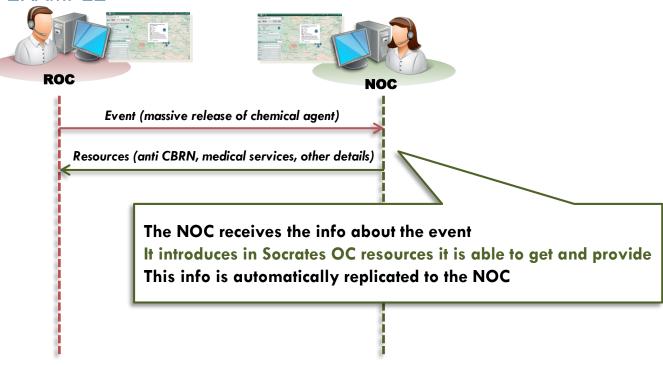
Scenario

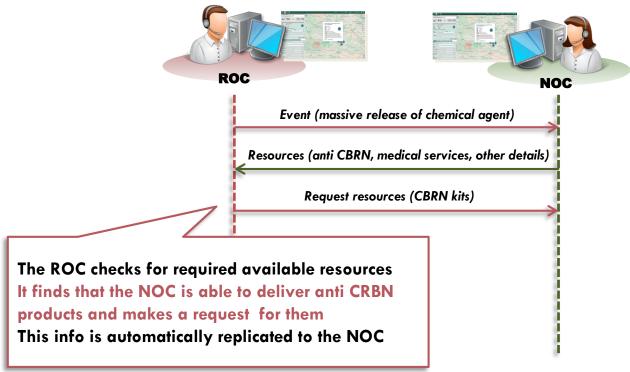
An error during maintenance incapacitates a control station for pipeline pressure causing a rupture in a toxic chemical pipe which releases a massive amount of a fluid mud like chemical.

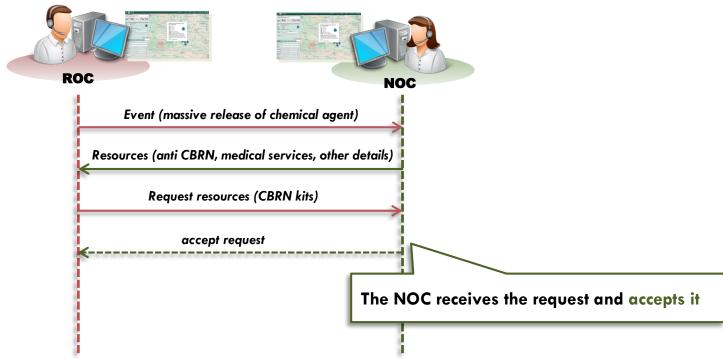
Some requirements

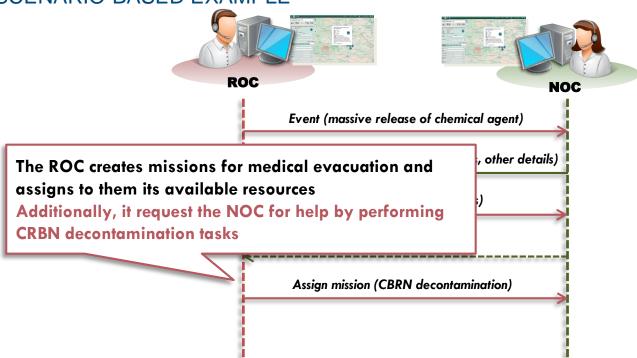
- Monitoring the status of available resources
- Request for neutralization substances
- Dispose resources for tasks
- Ask for collaboration to face the event

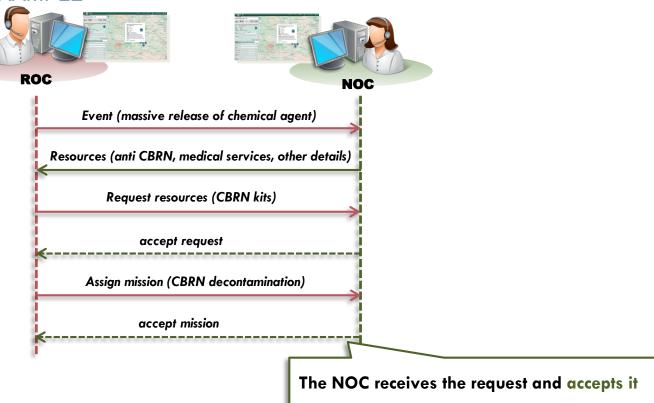




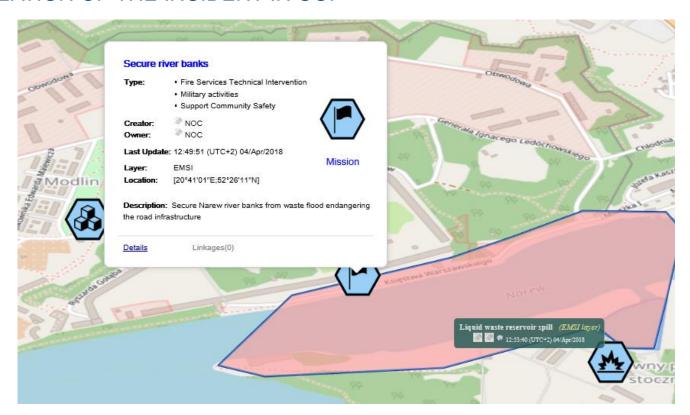








RECREATION OF THE INCIDENT IN COP



THANK YOU. ANY QUESTION?



CONTACT REACH US







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