



IN-PREP

The IN-PREP Mixed Reality Preparedness Platform

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Wednesday, 28th November 2018
1st TTX, Spoleto, Italy



Overall System Objectives

- To design and implement the **Mixed Reality Preparedness Platform (MRPP)** for pre-playing scenarios in support of **planning, training** and improved **response coordination**
- To combine a set of information systems & tools in order to provide a **novel Synthetic Environment** where **real & simulated data are fused** for training operation commanders and first responders in complex crises

MRPP – Main Functions

- Scenario Building
- Collaborative Response Planning
- Collaborative Response
- Training

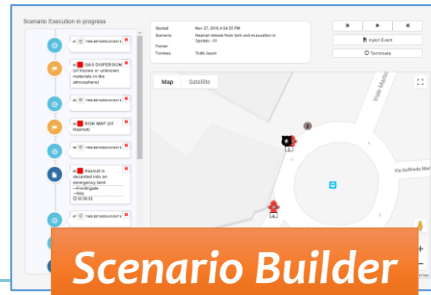
MRPP Building Blocks

- Scenario Building/Editing Tools
- Various Impact Assessment Tools
- Collaborative Response Planning and Training Tool
- Fixed & Deployable Incident/Crisis Management systems (C2 systems)
- Information Systems
- Simulation tools
- Recommendation & Decision Support tools
- Sensor systems

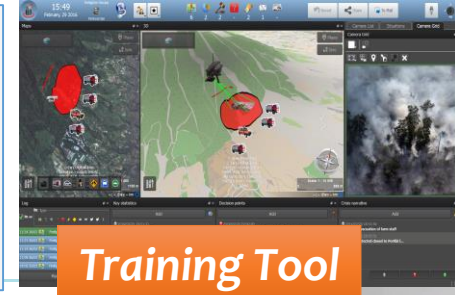
TTX1 Deployment



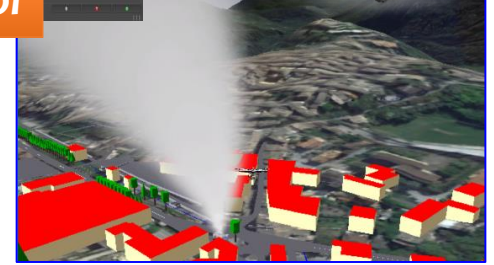
Trainer



Scenario Builder

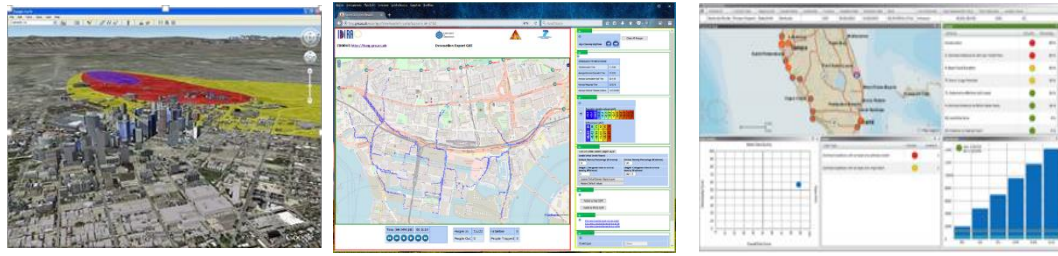


Training Tool



Optical Video and LIDAR

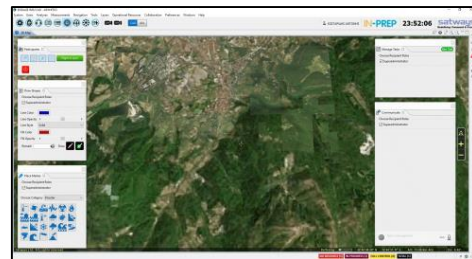
Scenario Script Events



Plume Modeling Results

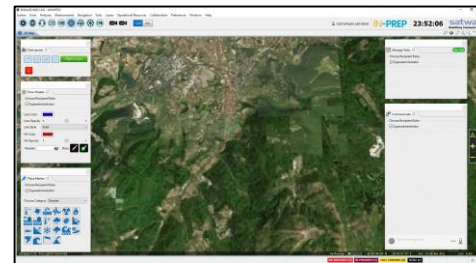
Evacuation Results

Risk Results



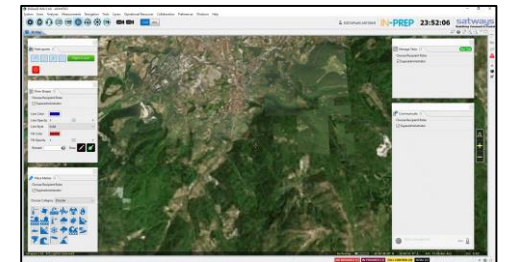
Strategic

Tasking orders
Incident Updates
Resource Updates



Tactical

Chat communication
Map markers
Synchronized flights



Operational

IN-PRP

