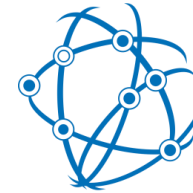


MASA Group

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Targeted topics

- **SU-BES03-2018-2019-2020:** Sub-topic 2: [2019] New concepts for decision support and information systems
- **SU-DRS01-2018-2019-2020:** Human factors, and social, societal, and organisational aspects for disaster-resilient societies
- **SU-DRS02-2018-2019-2020:** *Sub-topic open*, Technologies for first responders
- **SU-DRS03-2018-2019-2020:** *Sub-topic 2: [2019]* Pre-standardisation in crisis management (including natural hazard and CBRN-E emergencies)

MASA Group, **SME**, is specialized in the development of solutions based on **Artificial Intelligence (AI)** technologies for the **modelling and simulation** of autonomous and adaptive decisional behaviors

Products:

- **MASA SWORD**, an aggregated constructive simulation for training, analysis and decision support in **Defense and Security** domains, integrating automated entities;
 - Used by armies and public safety organisation
- **Direct AI**, a cross-cutting AI-platform for the design and execution of decisional process.
 - Used by virtual simulation companies

AI & Simulation of human behaviors

MASA can provide

- An efficient **AI decisional engine** and **middleware to offer autonomy** to robots/UAV or simulated agents
- A **simulation platform** for crisis management simulation, evaluation of resilience of critical infrastructure and safety plans, decision support;
- A **platform to integrate** the results of others research activities (ex : disaster modelization, CBRN plume evolution, sociological analysis);
- A realistic **stimulation component** for external environments or application (crisis cell, operational command&control tools)

Including

- **Decisional models of human behaviors** or operational missions;
- **Open physical database** of actors and equipments in security context;
- **Urban area** models including population, buildings infrastructure, resource networks (water, electricity, gas, ...), ...
- A complete tool to conceive, customize and analyse scenarios.

Projects :

- Industrial projects for international armies, energy provider, first responders, ...
- Research projects : FP7, ANR, FUI, PIA, RAPID

