

SIMULCRISE

Technological Platform -

Crisis Management Simulator

KEYWORDS: Natural Disaster, Industrial Accident, Climate Change, Crisis Management, Dynamic Simulation, Organisation Reliability

OUR RESEARCH AIMS

- Improving crisis management processes and practices
- Characterising decision-making through observation
- Implementing innovative pedagogical methods
- Training and supporting managers and decision-makers
- Raising stakeholders' awareness of crisis issues

ACTIVITIES

Training for crisis management linked to major risks:

- innovative pedagogical engineering
- interactive scenario building
- targeted observation
- specific debriefing
- · capitalising on for experience

SPECIFIC FEATURES

LivingLab

- experimental methods
- decision making support tools
- modelling of dangerous phenomena
- psychosocial approaches
- social media
- observational methods

FIELDS OF APPLICATION

- Municipalities
- Major industrial groups
- Public institutions (prefectures, subprefectures)
- Manufacturing companies
- Civil security
- Engineering training



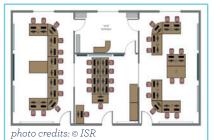
Simulation Room

SCIENTIFIC EXPERTISE

- A modulable and innovative experimental framework to develop and validate new approaches and tools
- Possible scenarios: flooding, forest fires, cyclones, Natech, industrial accidents, dam bursts, transportation of hazardous substances, ...
- Different types of exercises: MSP, SIP, IOP, Orsec plan, ...

RESEARCH PARTNERS

- Observation, assessment, scenario building: CEA-ASCO, CEA-ASCO2 (2013-2019)
- Cyclone forecasting system, municipal crisis exercises: ANR SPICy (2014-2017, ANR-14-CE03-0013)
- Preparing citizens for flooding though simulation: PRECISION (2017-2019, AAP Plan Rhône)



IMPLEMENTATION

- Supporting local authorities
- Integrated training plans
- Developing innovative methods and tools
- Experimentation and validation platform



 $Crisis \ management \ simulation$

Collaborative research

 Collaboration with universities: psychosocial sciences (Nîmes), neurosciences (Montpellier)

Three centers leading cutting-edge research for and with companies.



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RECENT PROJECTS



Saint-Chaptes Municipal Crisis Unit

MAIN EQUIPMENT

- Two 12-person simulation rooms
- Facilitation and observation room
- Joint or function-based observation grids
- SimulCrise software suite to assist the supervision of exercises
- Asymut simulation assistance software programme
- TwitterLike crisis awareness-raising and communication tool
- Facilitation methods and tools
- Deployable outside the simulator

The IMT Mines Alès research centers

- C2MA Materials Research Center
- LGEI Center of Industrial Environment and Industrial and Natural Risk
- LGI2P Center of Computer and Production Engineering



PROJET COFINANCÉ PAR LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL

You want to develop a project ?

Contact details

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