**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

**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**
- 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
- Collaborative research
- Collaboration with universities: psychosocial sciences (Nîmes), neurosciences (Montpellier)
Reinforced Vigilance: Heavy Rain/Cyclone Warning
ANR SPICy Project 2016
- Municipal Safeguard Plan (MSP) exercise
- Municipalities of Saint-Paul and Sainte-Suzanne (Réunion Island)
- 15 players, 12 facilitators, 4 observers
- Assessment of the crisis forecast and management tools refined and validated during the exercises, in addition to the MSP exercise
- Film: https://bit.ly/2LqrLi

Ste Cécile d’Andorge Dam Burst
Safety Exercise 2016 / 2018
- Special Intervention Plan (SIP) and Municipal Safeguard Plan (MSP) exercise
- Gard Department Prefecture, Alès Subprefecture, Alès Municipality
- 35 players, 7 facilitators, 5 observers
- Support for municipalities and public institutions in conducting the exercises of the annual prefectural schedule

Multirisk
PCS Exercise 2017
- Municipal Safeguard Plan (MSP) exercise without simulator
- Municipality of Saint-Chaptes (Gard)
- 15 players, 3 facilitators, 2 observers
- Multirisk scenario (flooding, transportation of hazardous substances, implementation of the Special School Protection Plan)
- Deployment of facilitation and simulation methods and tools outside the simulator

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