

# USE-CASES

## Crisis Management



- Modelling of flash floods in the city of Nîmes and assess the contribution of AI compared to a reference hydrodynamic model of the CS METIS platform.
- Domain: Hydrology, Hazards, floods, Crisis Management, AI.

## Cybersecurity



- Bolstering detection of complex cyber-attacks, linking low-level alerts to attacker behavior and models in the MITRE ATTACK framework; effective correlation and reduction of false positives.
- Domain: Cybersecurity, early detection of real time attacks.

## Public Safety



- Situational awareness in urban fire detection using Airbus DS SLC's ExtremeXP capabilities, including AI, assisted decision-making and real-time augmented reality.
- Domain: Secure communications for critical users, focus on detection and operation of urban fire scenarios.

## Mobility



- Tailor transport policies to authorities' specific needs, especially for zero-emission zones and autonomous vehicles, providing adaptive estimates and customized policy analysis via interactive visualization and augmented reality.
- Domain: Planning and evaluation of transport policies, adaptability to authorities' specific needs.

## Manufacturing



- Maximization of industrial machines uptime, enabling technical department to make informed decisions about impending failures of critical components, avoiding false alarms.
- Domain: Industry 4.0, predictive maintenance in industrial contexts, and manufacturing

# CONTACT

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# ExtremeXP

**Experiment Driven and User  
Experience Oriented  
Analytics for  
Extremely Precise  
Outcomes and Decisions**

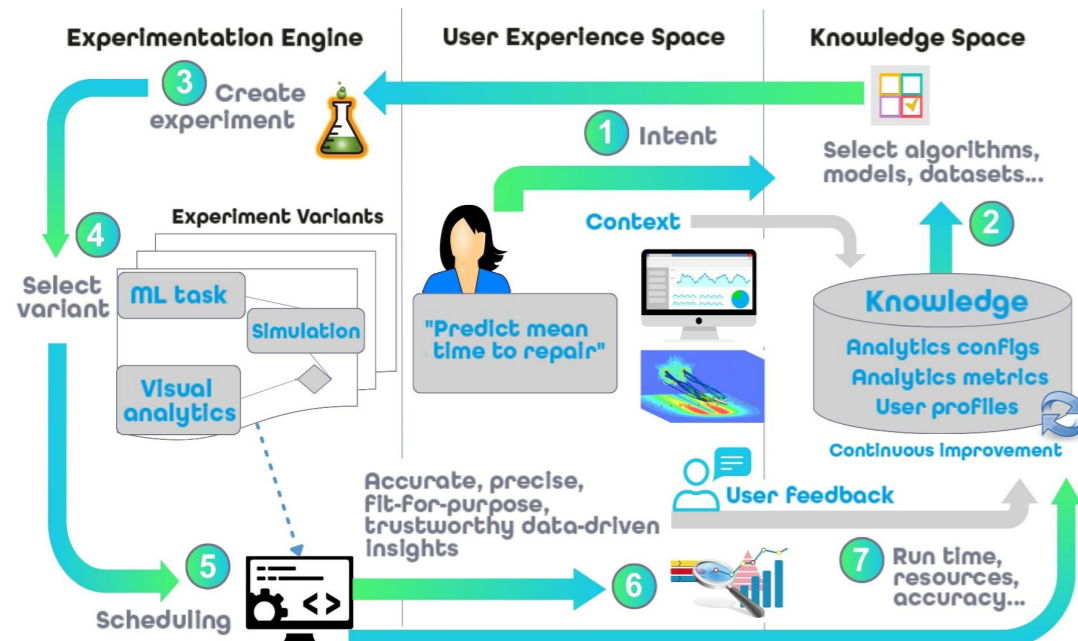


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## EXTREMEEXP : INNOVATION OF TOMORROW

“ExtremeXP offers an innovative approach called "experiment-driven analysis", placing the user at the heart of the analytical process. This method integrates interactive visualization and explainability techniques to increase the reliability of results and the process.”

Generating reliable information from complex data remains a challenge, one that ExtremeXP strives to meet every day.



## THE PROJECT

ExtremeXP adopts a modular approach, centered around an experiment engine, integrating modeling, planning, enhancement of experiment descriptions, execution of complex analytical workflows, and monitoring.

## ExtremeXP Global View



## The Consortium

20 partners - 10 Countries

