

# SAFEWAY

GIS-Based Infrastructure Management System for  
Optimized Response to Extreme Events of Terrestrial  
Transport Networks



Our aim is to significantly improve the resilience of inland transport infrastructures to extreme events, developing a new decision-making framework for infrastructure management that balances stakeholder's demands, climate change projections, and predictions regarding population and traffic conditions.

- Multiscale monitoring approach, combining different remote sensing technologies.
- Crowdsourcing and social media to monitor human response after an extreme event.
- Integration through a modular ICT platform to support robust decision-making.
- Research on new construction systems and smart materials.

## Contact information

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