



Dissemination Workshop

Torino (Italy), 1-2 February 2024

BOOK OF ABSTRACTS



RETURN Dissemination Workshop

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Spoke TS1: Urban and metropolitan settlements

Spatial indicators and strategic approaches for increasing territorial resilience

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The concept of resilience, though extensively discussed across various disciplines, often encounters challenges in translating theory into practical applications. This research carried out within the framework of Work Package 4 - Task 4.1 - Comprehensive Risk Management for urban settlements, strives to contribute to the operationalization of resilience. The objective is to propose methods and tools for measuring territorial and urban resilience with a focus on climate-related events.

The research adopts a site-specific approach, utilizing spatially explicit indicators to evaluate and predict the impacts of climate-related events on urban systems. A key outcome will be the development of a reference catalogue of progress indicators to systematize current best practices, thereby serving as a repository of case studies. The overarching goal is to enhance resilience by incorporating considerations of multi-vulnerability into climate adaptation strategies. The approach is place-based, involving the creation of models and indicators to monitor the effectiveness of climate adaptation strategies.

The research path consists of several stages:

- Indicator Selection:
Conducting an in-depth review of existing literature in urban planning, climate adaptation, and risk management to identify key progress indicators relevant to territorial resilience.
- Good Practice Collection:
Analyzing good practices in territorial resilience to extract insights and strategies applicable to diverse contexts. These practices are then tailored to the specific case study and aligned with identified indicators.
- Case Study Application:
Applying the selected indicators and best practices to the case study to facilitate a comprehensive assessment of territorial resilience. This step involves data collection, analysis, and interpretation to provide insights into the current state of resilience and potential areas for improvement.
- Guideline Formulation:
Developing guidelines for building territorial resilience, creating a practical framework for stakeholders involved in territorial planning and design.
- Testing through Living Lab:
Validating the framework through a living lab experience, testing its effectiveness in real-world scenarios with stakeholders' collaboration.

At the current moment, as a first tangible output, the research will present a list of spatially explicit indicators that will be applied and tested in three distinct case studies that represent past and ongoing collaborations with external institutions. They are located in the territory of the Metropolitan City of Turin and, more specifically, along the course of the Po River: Sangone River, Stura River, and Moncalieri Municipality.

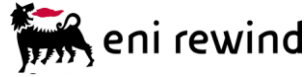
This comprehensive framework aims to bridge the gap between theoretical understanding and practical implementation, ensuring the relevance and applicability of territorial resilience in specific urban contexts.

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