

CLIMATE CHANGE RESILIENCE FOR CITIES AND CRITICAL INFRASTRUCTURES

Challenges in cities and infrastructures' resilience to climate change



Frequent natural disasters



Lack of testing standards for facilities



Vulnerability of the current cities and infrastructures



Inadequate policy

Novel approaches to reduce climate change's impact on cities and infrastructures

Four EC-funded projects, RESCCUE, BRIGAID, RESIN, and EU-CIRCLE, aim to decrease climate change impact, through the improvement of cities' capability to anticipate, prepare for, respond to, and recover from climate threats with minimum damage, and the development of a technological and performance standards to test facilities throughout Europe. These innovations will improve Europe's resilience to climate change, and reduce its negative social and economic impacts.

New tools and frameworks to increase Europe's resilience to climate change

e-Guide

Resilience action plan

Impact and vulnerability analysis for critical infrastructures and built-up areas

Testing and implementation Framework

Market Analysis Framework

Improvements for better case studies

Resilience analysis

Extreme event scenarios

Climate and hazard models



Common Dissemination Booster

These projects have received support from the European Commission's Common Dissemination Booster

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Who benefits



Critical infrastructure
community



EU policy makers



Society



Insurance sector

Impacts of cities and infrastructures innovations

1

Critical infrastructure effectively tackle extreme events and can count on a reliable local impact assessment

2

Better calamities and risks prevention through decision support tools

3

More reliable calculation of the risks, impact and vulnerability analysis for infrastructures and built-up areas

4

Reduce economic and social losses

5

Bridging the gap between innovators and end users and facilitating market access

The innovators that are working to increase cities and critical infrastructures' resilience to climate change



RESCCUE - resccue.eu
Building more resilient cities against climate change threats.



BRIGAIID - brigaid.eu
Connecting disaster resilience innovators with end users.



RESIN - resin-cities.eu
Investigating climate resilience in European cities.



EU-CIRCLE - eu-circle.eu
Creating a framework for supporting the interconnected European infrastructure's resilience to climate pressures.



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