



RISE-IN

RESILIENT INVESTMENT FOR
SUSTAINABLE ENVIRONMENTS



Funded by
the European Union

FLOOD RISK



HIGHLY VULNERABLE CITIES

Cities are **highly vulnerable** to floods, heat stress, droughts, landslides, sea level rise, and other climate change impacts.



UNPREDICTABLE WEATHER

Unpredictable weather patterns hinder timely adaptation and precautionary planning by local communities.

~2.6 €

TRILLION IN LOSSES

From 2000 - 2019, global disasters caused **~€2.6 trillion in losses** – nearly double the 1980 - 1999 total.

OBJECTIVE

Main objective is to develop and test the concept of **bankability readiness level**, piloting a methodology to map co-benefits of **climate resilient solutions (CRS)** and pairing them with innovative finance and investments solutions.

Concepts



BANKABILITY READINESS LEVEL

A financial analysis that considers **risks, returns, and feasibility** of these projects, along with how well they can attract and sustain various forms of investment.



CLIMATE RESILIENT SOLUTIONS (CRS)

Combinations of **nature-based, ecosystem-based, physical, and technological** measures designed to address both climate change adaptation and mitigation.

AIM

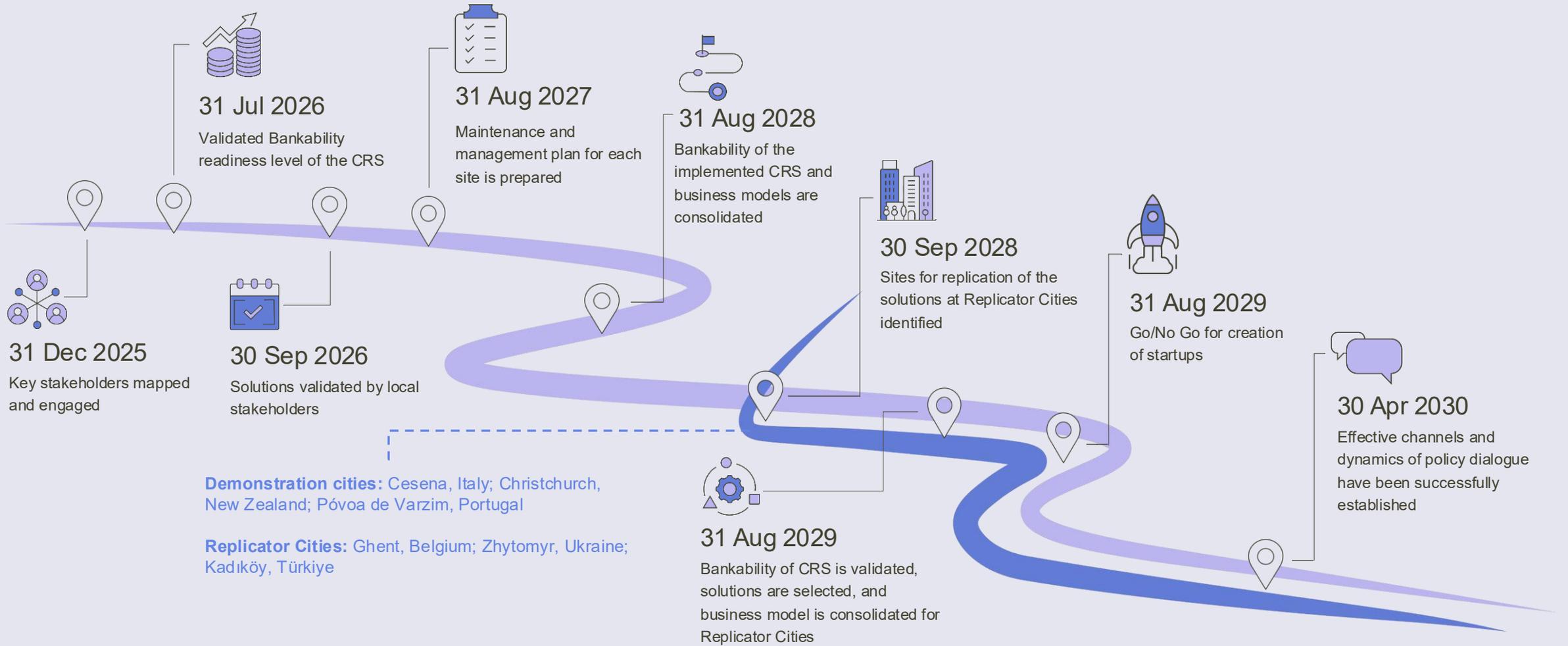
The project aims to propose a set of Climate Resilient Solutions and a set of financing and business options that can be paired together, to be assessed during the project and tailored to each demonstrator city in a way that the **solution bankability-by-design** is ensured.

A SET OF CLIMATE
RESILIENT
SOLUTIONS

**TAILORED, BANKABLE
SOLUTIONS FOR CITIES**

A SET OF FINANCING
AND BUSINESS
OPTIONS

RISE-IN ACTION PLAN



ROADMAP

PARTICIPATING CITIES OF RISE-IN

DEMONSTRATION CITIES

RISE-IN will demonstrate the concept for flood management (most costly type of disaster in Europe) in **Cesena (IT)**, **Christchurch (NZ)** and **Póvoa de Varzim (PT)**.



Photo credit: Christchurch
City Council

CHRISTCHURST

CESENA

PÓVOA DE VARZIM

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PARTICIPATING CITIES OF RISE-IN



REPLICATOR CITIES

RISE-IN demonstrations will be further tailored for replication in **Ghent (BE)**, **Zhytomyr (UA)**, **Kadikoy (TR)** and in 3 additional sites of Demonstrator Cities (Demo Cities) to prove the impact of the concept to facilitate bankability and upscale implementation across EU and Internationally.



GHENT



KADIKOY



ZHYTOMYR

CLIMATE RESILIENT SOLUTIONS FOR FLOOD MITIGATION AND MANAGEMENT

NBS and ecosystems-based approaches

- Carbon sequestration in soil
- Rain garden
- Constructed wetlands
- Harvestable landscapes

Physical measures

- Photocatalytic pavement
- Recovery and reuse of water

Transversal: Novel ecosystems & LID

Selection & refining through



BANKABILITY-BY-DESIGN TOOLKIT

- Ecosystem mapping
- Co-creation and participatory science
- Co-benefit analysis
- Policy and regulation
- Mapping of financing / business opportunities (Innovative financing)



BANKABILITY READINESS LEVEL

Guidelines for investment / design of bankable CRS



Implementation of CRS

Christchurch, Casena, Póvoa de Varzim + Maintenance and management plans

→ Replication roadmap

**Ghent,
Zhytomyr,
Kadıköy**

→ Local and regional scalability plans

SUPPORTIVE MODELS

- AI-based climate risk model
- Computable General Equilibrium (CGE) model
- Bluemapping

RISE-IN FACTS



RESILIENT INVESTMENT FOR SUSTAINABLE ENVIRONMENTS

The project aims to boost **bankability** and scale up **Climate Resilient Solutions (CRS)** - with a focus on **flood risk reduction**.

EC-funded project under Horizon Europe Programme - Mission on Climate Adaptation.

5 YEARS

Duration

EU +
INTERNATIONAL

Countries

POLITECNICO
DI MILANO

Coordinator

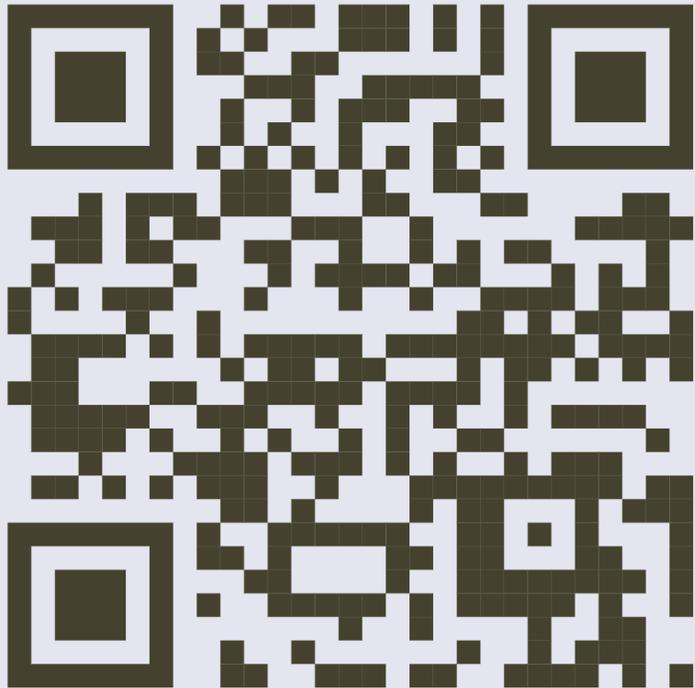
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Partners

RISE-IN CONSORTIUM



FOLLOW OUR JOURNEY



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ACKNOWLEDGEMENT



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the European Union**

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WORK PACKAGE STRUCTURE

WP1 POLIMI

Project Management and Coordination

Ensures smooth coordination, administrative efficiency, progress monitoring, and internal communication, including reporting to the EC and managing innovation processes.

WP2 SFO

Stakeholders and local community engagement, co-creation and co-design of solutions

Drives active stakeholder engagement and inclusive co-creation to design CRS, ensuring local relevance and ownership, especially among vulnerable communities and potential investors.

WP3 POLIMI

Bankability-by-design conceptual framework, site analysis and CRS design

Develops an integrated framework aligning CRS design with financial viability and risk assessment, enabling scalable and investor-ready tailored climate solutions.

WP4 AMBIT

On-site implementation, testing and exploitation of CRS at Demonstrator Cities

Implements and monitors CRS in Demo Cities, validates their impact and bankability, and develops Management and Maintenance Plans to ensure long-term viability.

WP5 EH

Replication plans of CRS

Adapts and transfers CRS to Replicator Cities, identifies viable financing strategies, and develops detailed business plans and replication roadmaps for post-project sustainability.

WP6 TERA

Communication, Dissemination and capacity building

Maximises project visibility and outreach through targeted communication and stakeholder engagement, while supporting exploitation and feeding results into EU policy platforms.

MILESTONES

Milestone 1

TERA

31 Dec 2025

Key stakeholders mapped and engaged and DCE activities are running (WP2, WP3, WP4, WP5, WP6)

Milestone 2

SFO

31 Jul 2026

Bankability readiness level of the CRS is validated (WP3)

Milestone 3

EH

30 Sep 2026

Solutions are technically feasible and validated by local stakeholders (WP2, WP3)

Milestone 4

BIOPOLIS

31 Aug 2027

Maintenance and management plan for each site is prepared (WP4)

Milestone 5

LUT

31 Aug 2028

Bankability of the implemented CRS and business models are consolidated (WP4)

Milestone 6

EH

30 Sep 2028

Sites for replication of the solutions at Replicator Cities have been identified (WP5)

Milestone 7

SFO

31 Aug 2029

Bankability of CRS is validated, solutions are selected, and business model is consolidated for Replicator Cities (WP5)

Milestone 8

STRANE

31 Aug 2029

Go/No Go for creation of startups (WP6)

Milestone 9

SFO

30 Apr 2030

Effective channels and dynamics of policy dialogue have been successfully established (WP6)