

LOCALIENCE

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Developing resilience against extreme weather threats caused
by climate change at local level in Central Europe

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Climate change

In the last 50 years, extreme weather events have become more frequent and intense. Hailstorms, heavy downpours, droughts, and heat waves are increasingly common, causing significant damage and endangering lives. Rising temperatures and changing precipitation patterns are the result of human-caused climate change. These trends require adaptation and action to reduce vulnerability and increase resilience to extreme weather events. Scientific research and climate models indicate that these trends will continue and intensify in the future if we do not reduce greenhouse gas emissions.



Floods

Floods are one of the most common natural disasters in the world. They can be caused by heavy rain, melting snow, or dam failures. The consequences can be devastating, ranging from material damage to endangering human lives.



Earthquakes

Earthquakes are sudden tremors of the Earth's surface caused by the movement of tectonic plates. They are one of the most destructive natural disasters, which can cause great damage to buildings and claim human lives.



Wildfires

Wildfires are often the result of drought or human negligence. They destroy forests, meadows, and endanger the lives of animals and people.



Droughts

Droughts are prolonged periods without rainfall, leading to water shortages. They affect agriculture, water supply, and can cause wildfires.



Storms

Storms are strong winds, hail, and downpours that can cause damage to buildings, infrastructure, and agricultural crops.



Landslides

Landslides are sudden movements of soil and rock that can be triggered by heavy rain, earthquakes, or human activities. They can cause great damage and endanger lives.

Extreme weather events over the past 10 years in the LOCALIENCE project area



Austria
Floods (2013, 2023, 2024)
Hailstorms (2016)
Wildfires (2017)
Drought (2022)



Czech Republic
Floods (2013, 2023, 2024)
Wildfires (2020)
Tornado (2021)
Drought (2020)



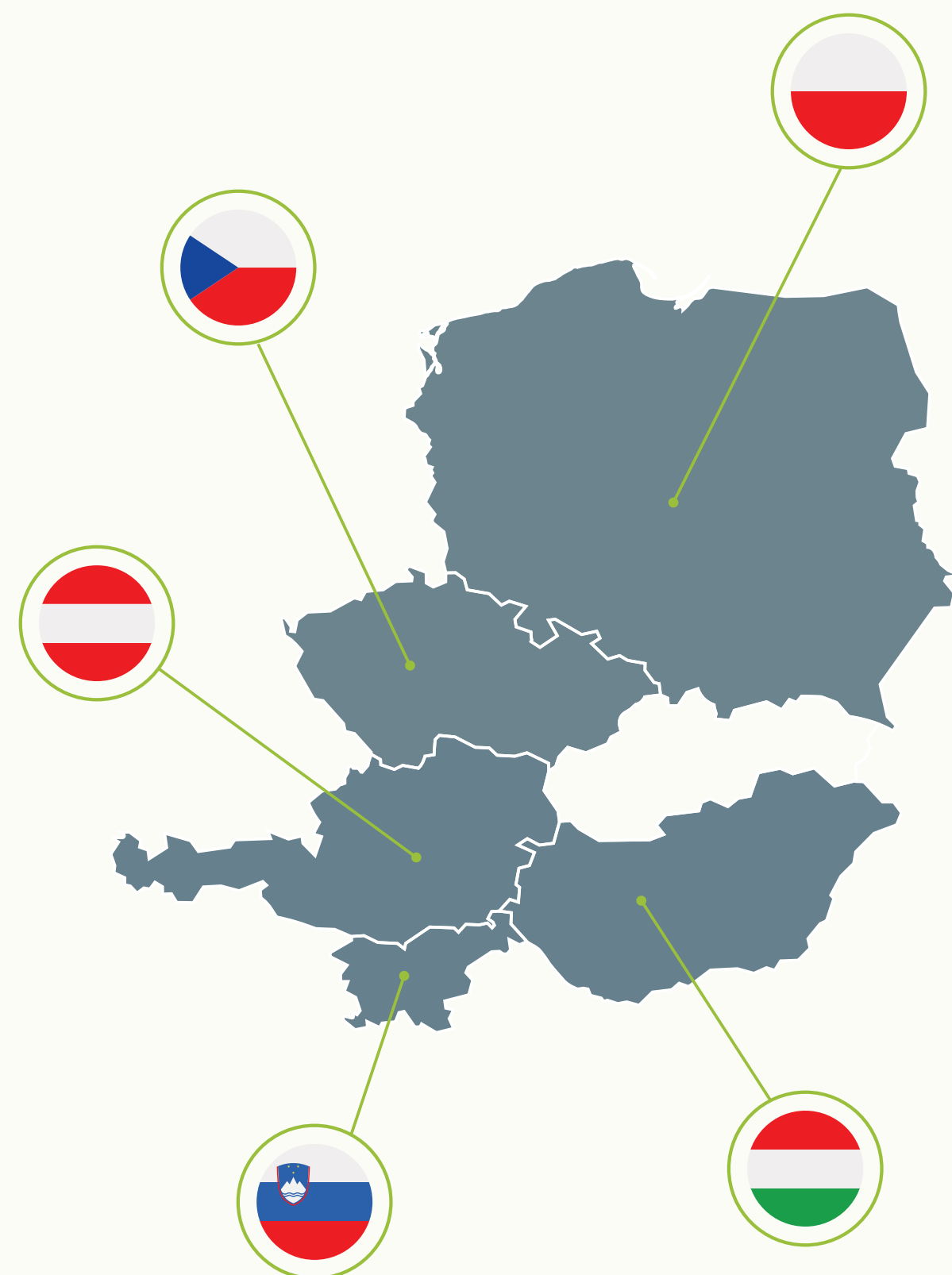
Hungary
Storms (2016, 2020, 2023, 2024)
Extreme winter (2013, 2017)
Floods (2013, 2020, 2024)
Heat wave (2016, 2021, 2022, 2024)



Poland
Hurricane (2017)
Drought (2022)
Hailstorms (2023, 2024)
Floods (2020, 2024)



Slovenia
Ice storm (2014)
Floods (2014, 2023, 2024)
Wildfire on Kras (2022)
Drought (2022)



About the project

Intensity of extreme weather events resulting from climate change have increased in Central Europe and will continue to grow. LOCALIENCE partners have a shared disaster management weakness: professionals provide one-directional, frontal information and services to stakeholders, considering them as mere recipients, instead of building on collaborative and interactive measures, and exploiting all available capacities.

This challenge can be most effectively tackled on the local level: settlements concentrate citizens and assets at risk, offer locations for on-the-ground cooperation, can sensitize and mobilize local communities and can effectively test new solutions.

The overall aim of LOCALIENCE is to improve response capacities and resilience to extreme weather events through enhanced collaboration of disaster management professionals with local, non-professional public and civil stakeholders, through improved capacities on both sides, feasible solutions exploring interactivity and end-user inclusion and justified policy improvement.

LOCALIENCE connects transnational partners facing similar extreme weather threats, benefitting from a vast Central European pool of professional institutions and their experience, exploring solutions aimed at multiple aspects of the same challenge but offering sound learning and transfer potential, transnational peer-review and co-creation, as well as long-term networking, data sharing and service integration prospects in a compact geographical area.

Project duration April 2023 - March 2026



2,04 mio EUR

Project Budget



5

Countries



8

Regions



11

Partners



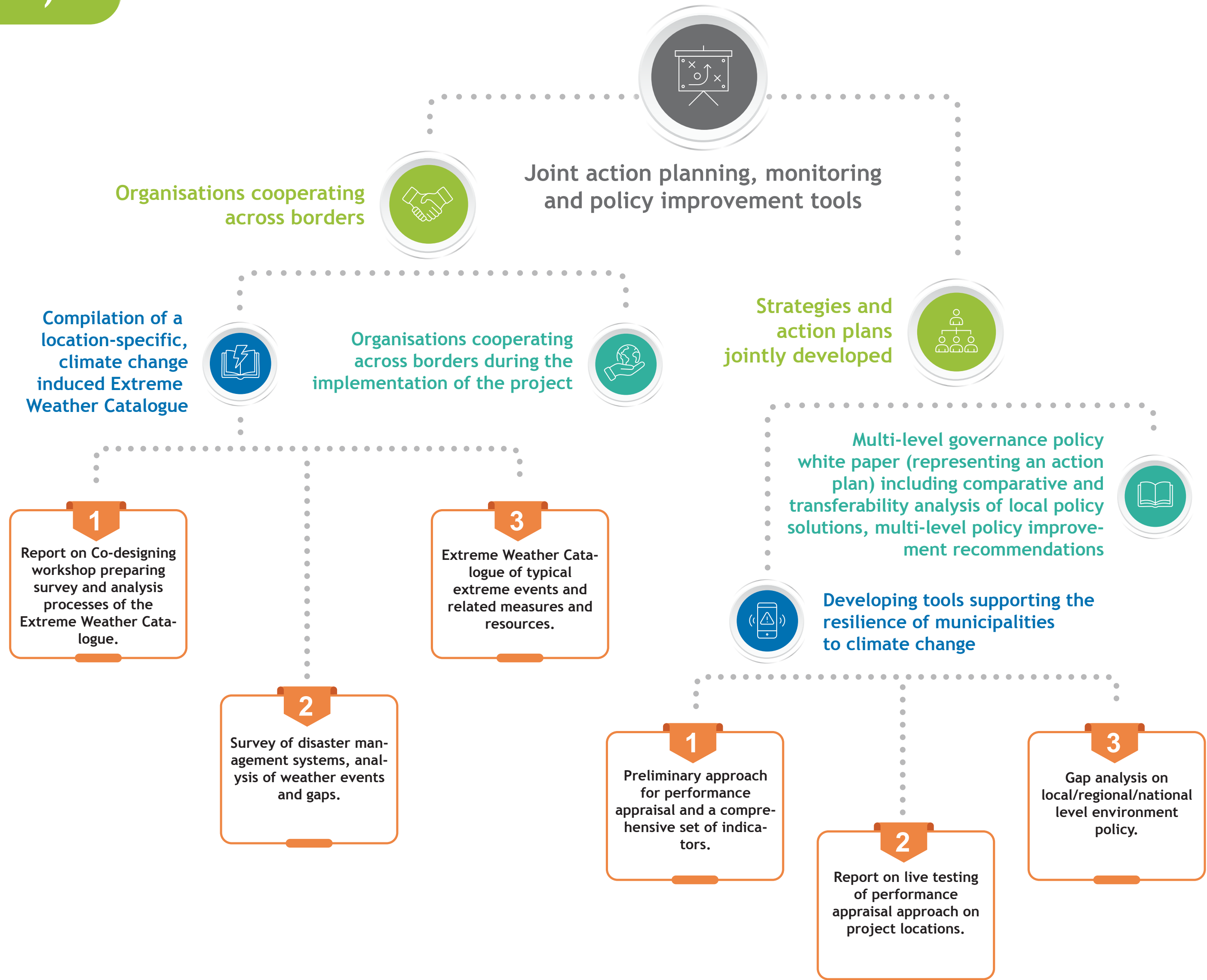
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Pilots

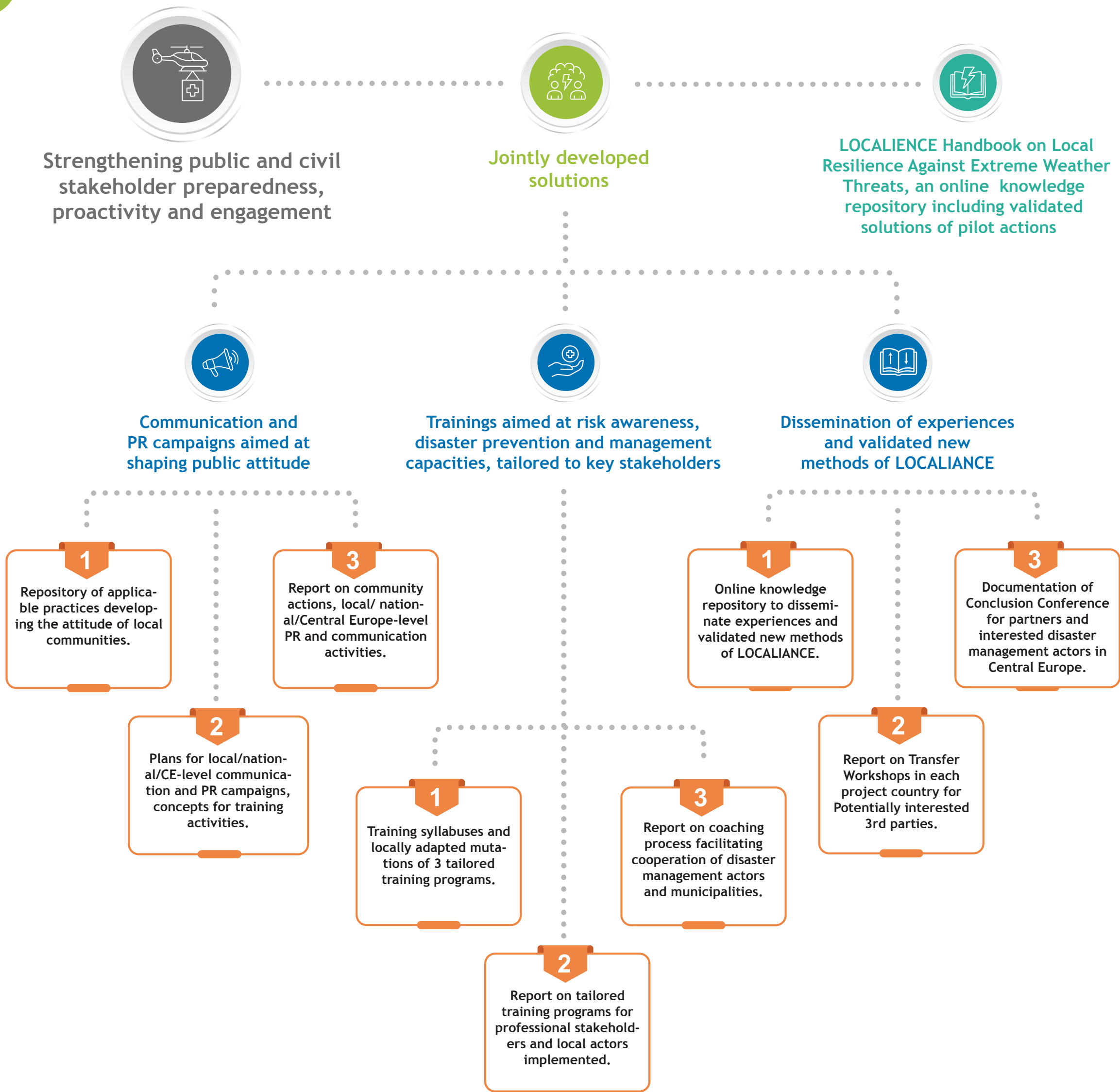


80 %

of the Budget is
funded by ERDF



Project infographic (1/3)



Legend:

- Work package
- Activity
- Deliverable
- Program output indicator
- Project output

LOCALIENCE project partners



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA OKOLJE, PODNEBJE IN ENERGIJO
AGENCIJA REPUBLIKE SLOVENIJE ZA OKOLJE



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2. This publication only reflects the author's view. The programme authorities are not liable for any use that may be made of the information contained therein.
3. The images in this publication were created using artificial intelligence.