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Co-funding

EU funding: €1,874,565.50 (80%)

Partner co-funding: €468,641 (20%)

Total budget: €2,343,206.89



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Episodes of intense rainfall are part of the Mediterranean climate.

At times, these phenomena lead to **flash floods** causing material or human damage. To tackle this risk, the LocAll4Flood project proposes an **Integrated Multi-stakeholder Governance Model**, combining prevention, adaptation and mitigation actions, which are tested in **small catchments**, particularly vulnerable to flash floods.

In order to have a wide range of sensitive zones, 9 pilot sites have been selected from Greece, Italy, Bulgaria, Malta, Catalonia and the Balearic Islands, covering 4 kinds of topographical areas (urban, rural, coastal, industrial). We foster the “bottom-up” approach and foresee a transferability of the project’s results to the whole **Mediterranean basin**.



Prevention

The sudden onset of flash floods requires a fast-decision-making process based on accurate **prediction and monitoring**. It is often the case that small catchments lack the necessary tools as there is not enough available information. LocAll4Flood responds to this gap by developing an **Early Warning System** with the objective of anticipating flooding events in a manner that is adapted to the specific characteristics of each of its pilot catchments. These systems include a combination of data from multiple European and national platforms, as well as specific local data, and are complemented with impact information in real-time.



Adaptation

It is crucial to **raise awareness** among the society in order to foster the adoption of appropriate attitudes in the face of flash flood risks. LocAll4Flood provides a list of all the relevant stakeholders (policymakers, first responders, associations....) for which their involvement in the definition of an integrated governance model to tackle flash floods is crucial. Moreover, an extensive survey is conducted to evaluate the **risk perception** and knowledge of the citizens living or working near the pilot catchments. Co-creation workshops are carried out at the catchment scale to identify challenges of the response chain and promote citizen's behavioural adaptation, especially in response to warning messages.



Mitigation

Another effective approach to addressing flash floods is to implement stream and land planning measures that reduce the potential impact of the risks before an extreme event occurs. In the past, grey infrastructure such as dams and canals has been favoured, but there is a growing interest for **nature-based solutions**, which simultaneously provide environmental, social and economic benefits and help build resilience. LocAll4Flood carries out an extensive review of these innovative solutions, focusing on the main barriers to their implementation. The eventual application of these solutions is simulated in every pilot catchment.



This model is tested in **9 pilot sites** representatives of the **Mediterranean small catchments**, which are particularly vulnerable to flash floods.