

ACT LOCAL ADAPTATION PLANS a participatory process

The definition of priority action areas for Local Adaptation Plans started by identifying the areas of greatest vulnerability of each territory as a result of the impact assessment carried out at the initial stage. The proposals were shared and defined by involving all the stakeholders of the City. The following are the main adaptation measures identified.

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Landslides: extension of monitoring and control on the speed of landslides, enhancement and optimization of the early warning system of Ancona landslide, structural interventions to reduce the risk, information campaigns for the population.

Coastal erosion: actions to safeguard the coast, coastal defense works of Portonovo coast, program of study and monitoring of the coastline.

Infrastructure: system for the prevention of the climate effects on urban road network system, restoring full functionality and safety of the railway and Via Flaminia.

Cultural Heritage: completion of the Risk Map of Cultural Heritage of the City of Ancona, specialized training for assessment, monitoring and analysis of the historical and cultural heritage.

MUNICIPALITY OF PATRAS

Coastal Erosion: protective walls for the coastal roads in the area of Rion, breakwaters and lateral projections to prevent the loss of material from the beach due to the waves.

Biodiversity - Forests: creation of the Center of Environmental Information, environmental education projects and public awareness programme for the protection of Natura 2000 area of Panachaiko.

Water: public awareness program for water saving - Distribution of water flow regulators, Water House - front office for water saving, construction of the Dam of Peiros - Parapeiros rivers, Permanent Leakage Control System according to the International Water Association (IWA) methodology.

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Tourism: adaptation of the tourist timetables of Wine Museum according to the climate reality, coverage of the traditional craft market El Zacatín from May to October.

Agriculture and soil: information program on adaptation, technical support and assistance to wine producers and farmers, study of new production technologies and new varieties of crops, localized irrigation to reduce water consumption.

Health: campaign to raise awareness and inform citizens about the impacts of climate change on human health, the prevention of risks and the measures to be taken in case of emergency.



Partners

MUNICIPALITY OF ANCONA



www.comune.ancona.it

MUNICIPALITY OF BULLAS



www.bullas.es

ADEP S.A. PATRAS



www.patras.gr

FORUM OF ADRIATIC AND IONIAN CITIES



www.faic.eu

ISPRA



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RESILIENCE AND ADAPTATION to secure the city and its inhabitants

Rising temperatures, heat waves, storms, heavy rainfall, flooding, droughts, rising sea levels are extreme events, occurring with increasing intensity and frequency. These phenomena, caused by climate change, expose the territory and the population to serious risks. Consequently, our cities must prepare to prevent the consequences of extreme events.

The European Commission has recently presented the **European Adaptation Strategy** that provides with a leadership role and a strong commitment local governments, as expected impacts are mostly local. Many cities have already reacted, creating networks such as **EU Adaptation Strategies for Cities** and **EU Climate ADAPT** to share best practices and promote bottom-up initiatives.

Not only does a resilient city adapt to climate change but it also modifies by providing new social, economic and environmental answers to prevent and manage the risks. Resilience is a vital component of sustainable development, to make our cities safer, less polluted and on a human scale.

THE ACT PROJECT methodology and results

The **ACT** project (LIFE08 ENV/IT/000436) originates from the need to create a model to help Municipalities develop a local strategy of adaptation that takes into account environmental, social and economic changes. A strategy developed through a participatory process involving all stakeholders to promote adaptation policies beneficial to the citizens and the local economy.

The project stems from a study of existing models, forecast scenarios and experiences of local adaptation plans made at the international level. This was followed by an analysis of the local context, the definition of a common methodology for local impacts assessment and adaptation plans of the three cities involved: **Ancona, Bullas and Patras**.

The evaluation of the results achieved led to the creation of Guidelines to be promoted and implemented by other local authorities.

GUIDELINES FOR LOCAL ADAPTATION PLANS

The Guidelines of the ACT project were developed by **ISPRA - Institute for the Protection and Environmental Research** - in collaboration with all ACT partners. Their aim is to provide practical and operational support to public administrations interested in starting a process of adaptation to climate change. In particular, they focus on locations of the Mediterranean basin that have similar hydro-geological characteristics and vulnerability.

The Guidelines have been developed on the assumption that every city, every territory, has its own peculiarities and there-

fore it is not possible to define the actions that apply to everyone. The document intends to provide the basic theoretical concepts of the key issues of climate change adaptation, a model that tracks the phases and elements to be analyzed and taken into account in approaching the problem, accompanied by practical examples of experiences gained during the ACT project.

The structure of the Guidelines, represented by the graph below, takes into account the main common elements of the cycle of adaptation policies, with particular attention to the Adaptation Support Tool of the Climate-ADAPT Platform.

