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MUNICIPALITY OF ANCONA



www.comune.ancona.it

MUNICIPALITY OF BULLAS



www.bullas.es

MUNICIPALITY OF PATRAS



www.patras.gr

FORUM OF ADRIATIC AND IONIAN CITIES



www.faic1999.net

ISPRA



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Istituto Superiore per la Protezione
e la Ricerca Ambientale

www.isprambiente.it



With the contribution of the
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European Community

Adaptation to Climate change WE ACT!



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act

Adapting to
Climate change
in Time



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Adaptation

Climate change has the potential to impact our everyday life. Referring to **urban context**, environmental conditions we have experienced so far will shift, exposing cities and its residents to new hazards and heightened risks. Cities will deal with increasing temperatures, changes in precipitation patterns, rising sea levels, and more intense and frequent extreme events. Historical climate precedents are no longer valid for long-term environmental planning.

Mitigation actions are undertaken to address the long-term risks of climate change through reduction of greenhouse gas emissions, while **adaptation** is needed to respond to the short-term risks that are unavoidable as well as to long-term risks. While mitigation actions that reduce greenhouse gas emissions will help to decrease the magnitude and impact of future changes, they will not prevent climate change from occurring altogether.

This is the reason why cities must start thinking to a strategy to increase their **resilience to climate change**, and to reduce risks for their population. Both public and private sectors should be involved in this long-term planning.

Acting now towards climate change adaptation will limit damages and costs through the coming decades and, in many cases, can provide near-term benefits including operational cost savings and job creation.

The three cities participating in the **ACT project**, **Ancona**, **Patras** and **Bullas**, with the support of ISPRA, aim at producing an inclusive adaptation strategy and defining guidelines for local authorities to do the same.

The ACT project

The project supports Local Authorities in developing a **Local Adaptation Strategy** that takes into account **environmental, social and economic impacts of climate change**, to **increase the city resilience** to climate change. The Strategy derives from the deep collaboration between local authorities, the **research world**, and **all the local stakeholders**, through an inclusive and participated process.

Key aspects

The cities

The project is based on direct involvement of the **local key actors** (local authorities, industries, citizens, health system, universities, etc.) through “Adaptation Boards” to identify shared adaptation strategies for the cities. This **wide participatory approach** will also raise local awareness of climate change issues.

The local Knowledge

The close **co-operation among institutions, economic actors and civil society** strengthens synergies between adaptation and mitigation policies and promotes win-win opportunities for the urban economic activities. This **innovative involvement of local actors** leads to new synergies and local empowerment, that create an innovative way to approach climate change challenges. The generated local knowledge is fundamental to create a solid background, also where national adaptation strategies and plans are still missing.

The network

ACT creates **a network** of knowledge **around Local Authorities** to better understand the effects of climate change and to support effective local adaptation policies. This network includes also the scientific community, creating a bridge between **politics, civil society and scientific research** to deal with climate change effects.

ACT actions

- 1. Base line scenario and capacity building**
This action aims at collecting and analyzing all the information on existing model and climate forecasting scenarios and on international experiences in local adaptation plans.
Output: State of the art Report and Baseline Scenario on local climate changes for each municipality.
- 2. Local impact assessment**
A shared methodology for local impact assessment will be developed and the three cities will undertake their own assessment evaluating economic, social and environmental aspects.
Output: Road map for local adaptation to guide local authorities.
- 3. Local adaptation strategies**
Each municipality will establish its own local adaptation board, including the main stakeholders selected from the vulnerable sectors emerged from the local impact assessment.
Output: Local Adaptation Plan elaborated within the board. This will be implemented in the three cities during 15 months test.
- 4. Evaluation of project results**
Project results will be elaborated through a peer review process in order to develop guidelines that can be implemented by other municipalities willing to develop local adaptation plans.
- 5. Communication and dissemination**
Dissemination and communication of results and guidelines is a priority of the project. The targets are public authorities at all the institutional levels, the economic and financial sectors and the academia.

Project budget

Total project budget: 1.752.258 €
Total co-financing: 876.129 €