Interreg Euro-MED

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ReMED

Pilot Site Data Sheet

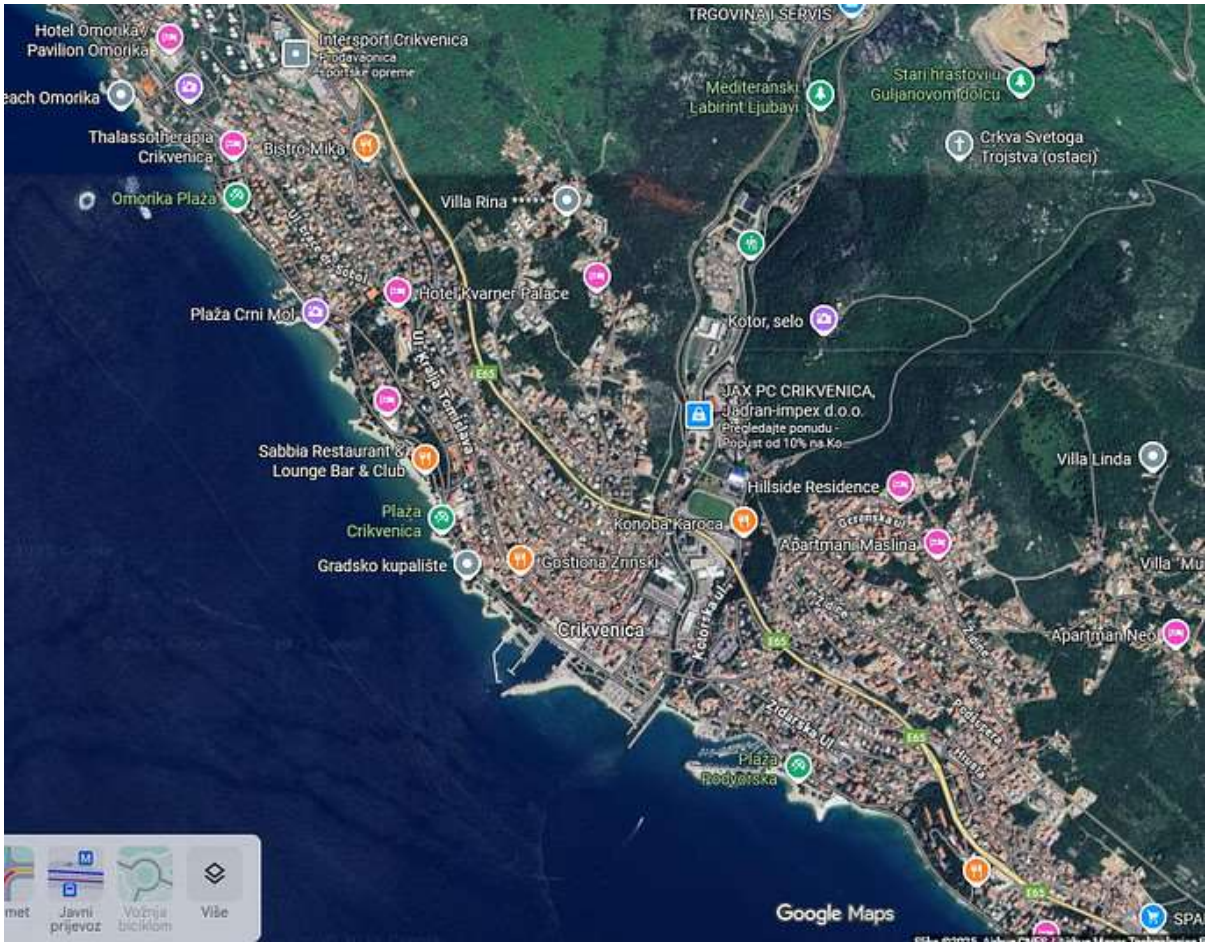
Municipality of Crikvenica

External expert assisting the municipality: Ekonerg d.o.o.

Pilot site: Settlement within the City of Crikvenica, and the City Museum building

ReMED Lead Partner: University of Malta (UM)
ReMED (Towards Climate Resilient Mediterranean Cities) | remed@interreg-euro-med.eu

Extents and areas of the test site (Google earth map):






HOTEL MIRAMARE





1 Stakeholders & participants

The stakeholders and participants in the project are the representatives of the City of Crikvenica and professional services involved in spatial management, municipal infrastructure, environmental protection, and tourism at the national, regional, and local level. These project team consists of City employees who have relevant data, know the local context, and will participate in the implementation of climate change adaptation measures. Important stakeholders are also external experts.

1.1 Their roles

The participants and stakeholders are involved in the process of analysis and reflection on using the ReMEd Decision Support Framework and ReMED platform to mitigate the impact of climate change in the territory of Crikvenica, but the results of the project will also indirectly be beneficial to the entire Primorje-Gorski Kotar County through exchanging good practice and knowledge. The focus is on a joint review of the current situation, recognition of the main climate risks and laying the foundations for further planning and development of adaptation measures using the ReMED platform.

The stakeholders will implement the ReMED Assessment System and Decision Support Framework in relation to local priorities and conditions, data availability and accessibility. External experts are technical partners; they will assist with using the ReMED platform data in test areas and validate the available tools.

2 Urban categories most impacted

Residents' business premises, homes, accommodation.

3 Climate change challenges faced by site

The main challenge is flooding due to heavy precipitation, and the site is also challenged by the risk of droughts and wildfires due to heatwaves and reckless conduct of individuals. Another problem is reduction of private green areas (e.g. gardens) in favour of building private parking lots due to lack of parking places in the peak tourist season. The identified impact of climate changes is presented in Table 1:

Table 1: Identified impacts of climate change

Climate change impact	Probability (1-5)	Intensity (1-5)	Risk (V × I)	Priority
Extreme weather events (heatwaves, storms, and severe weather)	5	4	20	Very High
Increase in droughts and decrease in precipitation	5	3	15	Moderate
Average and extreme sea level rise	5	3	15	Moderate
Reduced availability of drinking water	2	2	4	Low
Increasing sea temperature	4	3	12	Moderate
Risk of forest fires	5	4	20	Very High
Impact on tourism	5	4	20	Very High
Change in biodiversity	4	3	12	Moderate
Infrastructure stress	3	3	9	Low

4 Challenges faced as a pilot/test site

Flooding and heat island effect. The Crikvenica area and the Museum building are frequently flooded and subject to storms and heat waves. Climate change causes serious damage and significant resources are invested in the renovation.

5 Pilot/test site final goal

5.1 Municipality contribution to the project

Mass tourism at the pilot site has a significant impact on the quality of life for both locals and visitors. The City of Crikvenica is working to improve the situation on ecological, social, and economic levels. Our goals are to:

- Promote sustainable tourism that emphasizes the importance of nature for the community, local culture and resources, raise ecological awareness among hotels, restaurants, and transport providers by encouraging reduced energy and water consumption, and promote the use of local products in hotels and restaurants.
- Manage traffic and infrastructure – introducing car-free zones, building parking facilities outside residential areas, organizing public transport, creating cycling routes, and arranging pedestrian paths accessible to people with disabilities; preventing overcrowding and preserving space.
- Protect the environment and adapt to climate change – reducing plastic use during the tourist season; planting trees in public areas (e.g., parking lots, around public institutions such as kindergartens, schools, promenades, parks, and encouraging citizens to do the same); implementing a recycling system and wastewater treatment.
- Develop off-season tourism in order to relieve pressure during the peak season.

The vision of the project team of the City of Crikvenica and of the Local Project Committee is based on:

- reducing the vulnerability of key systems (infrastructure, coast, water, health, tourism),
- timely prediction and mitigation of the negative effects of climate change,
- preserving the quality of life of the local community throughout the year.

More specifically, through this project, the city will use the ReMED platform data to design a resilient Adaptation Plan and to integrate specific measures as an answer to the above-mentioned vulnerabilities and risks into spatial planning documents.

5.2 Expected achievements by end of project

We want/expect to analyze the key impacts of climate change identified and specify the goals and direction of the development of the Adaptation Plan in the context of local

specificities, especially taking into account the seasonality of space use, strong dependence on tourism and the need to preserve the quality of life of the local population. A common vision will guide further steps in defining adaptation measures and priorities.

The next steps will include a more detailed elaboration of specific adaptation measures, timeframes, and carriers for strengthening the resilience of Crikvenica and the City Museum building to climate change. The stakeholders in the project will be trained to use the ReMED platform and its tools to assess and mitigate the impact of climate changes.

Through this project, the City of Crikvenica will get closer to its vision of a resilient and sustainable community, which recognizes climate challenges as a threat but also an opportunity for strategic development, providing the basis for defining goals and measures for the mitigation of climate change in the areas under risk.