



forecAsting System for urban heat Island effect



The project "Implementation of a forecAsting System for urban heat Island effect for the development of adaptation strategies - LIFE ASTI" has received funding from the LIFE Programme of the European Union

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forecasting System for urban heat Island effect

## What is the LIFE ASTI project

The LIFE ASTI project focuses on the UHI effect and human health by developing and evaluating a system of numerical models that will lead to the short-term forecast and future projection of the UHI phenomenon in two Mediterranean cities: Thessaloniki and Rome.

The LIFE ASTI model system will produce high-quality forecasting products, such as bioclimatic indicators and heating and cooling degree days to assess the energy needs of buildings. In addition, the model system will guide the Heat Health Warning Systems to be implemented in both cities and will aim also at informing the authorities, the general population and the scientific community.

The LIFE ASTI project focuses on producing state-of-the-art scientific methodology that will reach the general public through modern technological tools (project's website, mobile and web applications, and active social media ).

Finally, the project addresses the following EU policy objectives: a) Contribution to the development and demonstration of innovative climate adaptation technologies, suitable for being replicated, b) Improvement of the knowledge for developing, monitoring and assessing effective climate adaptation and mitigation action measures, and c) Facilitation of the development of comprehensive climate adaptation and mitigation strategies at local and national level.

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