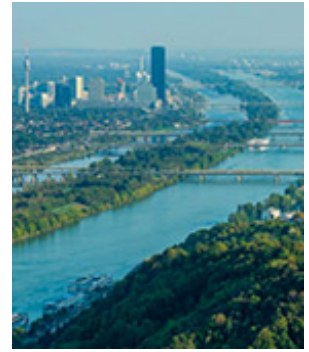




LIFE DICCA - Climate Change Adaption of the
Ecosystem Danube Island

LIFE17 CCA/AT/000077



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Project description:

Background

In Austria the increase of average mean temperature (2°C since around 1850) is considerably higher than the worldwide average of 0.9°C. The environmental ministry's climate scenarios point to further increases over the coming decades, more frequent very hot days and heavy rainfalls, along with heatwaves and droughts. Large cities, such as Vienna, already suffer from heat island effects.

Objectives

The LIFE DICCA project will demonstrate on the Vienna Danube Island a suitable strategy for adaptation to climate change in a large city that will be replicable in cities with similar geographical settings. The main aim is to increase the climate change resilience of ecosystems on the Danube Island. Project actions will protect and conserve biodiversity as well as the ecological stepping stone functions in areas that are intensively used by providing guidance to users and carrying out measures to revitalise ecosystems. The project also aims to raise awareness in the fields of climate, ecosystems and biodiversity, while reducing maintenance costs and the CO₂ emissions of the island. In this way, it will contribute to the EU strategy on adaptation to climate change, the Water Framework Directive, the Floods Directive, the Habitats Directive, the Birds Directive and the EU Biodiversity Strategy 2020+, among others.

Expected results:

- An adaptation strategy in the field of ecosystems and biodiversity for the city of Vienna;
- A feasibility study that proves the replicability of the strategy;
- 15% reduction in the cost of maintaining the Danube Island with a 20% reduction of CO2 emissions;
- Micro-climate and target sites noticeably improved for users;
- Three new wetlands created and three dry ponds sustainable irrigated;
- Sustainable sediment management concept made available; and
- Neobiota (non-native organisms to the area) eradicated or removed from defined areas.

Results

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Environmental issues addressed:

Themes

Climate change Adaptation - Resilient communities

Climate change Adaptation - Natural resources and ecosystems

Keywords

water resources management, flood protection, preventive measure, nature-based solutions

Target EU Legislation

- Climate Change & Energy efficiency
- COM(2013)216 - EU Strategy on adaptation to climate change (16.04.2013)
- Nature protection and Biodiversity
- COM(2011) 244 final “Our life insurance, our natural capital: an EU biodiversity strategy to 2020 ...
- Directive 92/43 - Conservation of natural habitats and of wild fauna and flora- Habitats Directiv ...
- Water
- Directive 2007/60 - Assessment and management of flood risks (23.10.2007)

Natura 2000 sites

Not applicable

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Beneficiaries:

Coordinator	Stadt Wien, Magistratsabteilung 45 - Wiener Gewässer
Type of organisation	Local authority
Description	Department 45 (Vienna water bodies) of the Vienna city administration is responsible for flood protection, revitalisation of surface waters, management of water bodies, supervision of the quality of surface waters, and the quantitative and qualitative monitoring of ground water. The beneficiary employs qualified personnel in the fields of construction related to water, hydrology and project management.
Partners	None

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Administrative data:

Project reference	LIFE17 CCA/AT/000077
Duration	03-SEP-2018 to 02-SEP -2023
Total budget	1,989,095.00 €
EU contribution	1,029,507.00 €
Project location	Wien(Österreich)

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