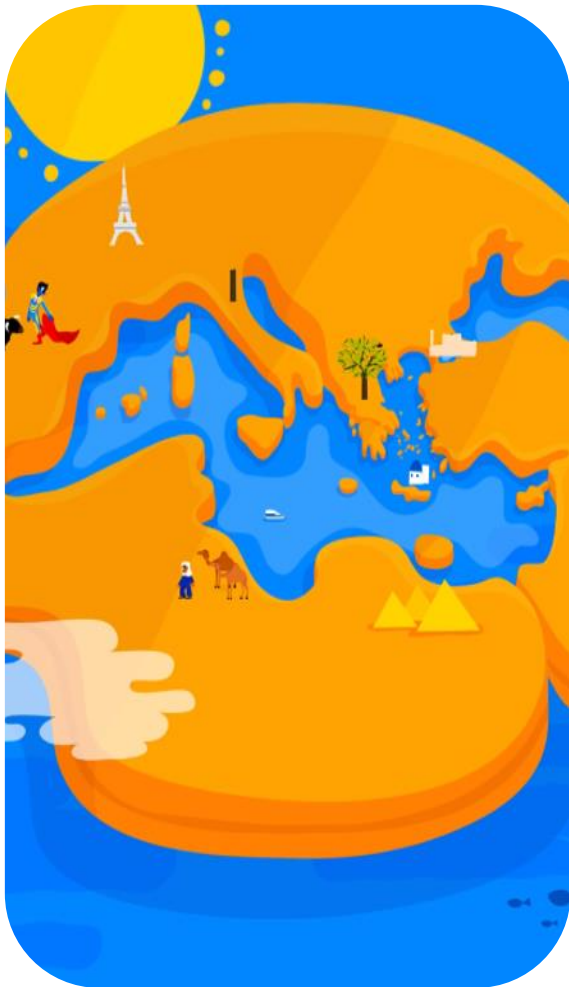


WATER FOR THE CITY



Water for the City

Alexandroupolis, Greece

Project information

Water for the City is a multi-stakeholder project which aims at **increasing water availability** in the metropolitan area of the city of Alexandroupolis and **promoting sustainable water use** in urban environment by engaging authorities & stakeholders, **educating students & teachers** & **raising public awareness** on the urban water cycle & efficient water use.

PARTNERS:

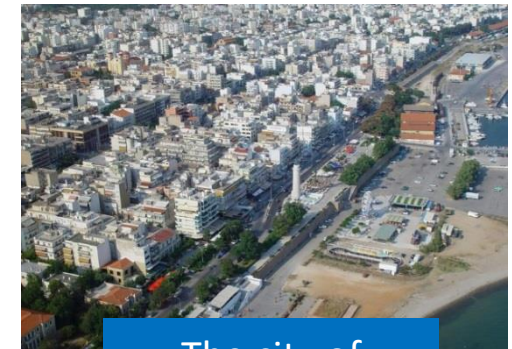


COLLABORATORS:



DURATION: 2016 – 2018

BUDGET: 1.2 million USD (Coca-Cola Foundation Grants)



The city of
Alexandroupolis

Technical application

The proposed intervention will increase the storage capacity of the reservoir of Dipotamos Dam, that is the main water source for the City of Alexandroupolis and six neighboring settlements. The Water Utility has observed that the dam overflows frequently during winter. Thus, the **installation of free standing gates** on the spillway crest, will allow for additional water to be stored in the reservoir during wet seasons.



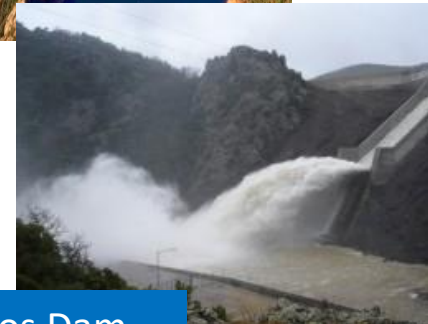
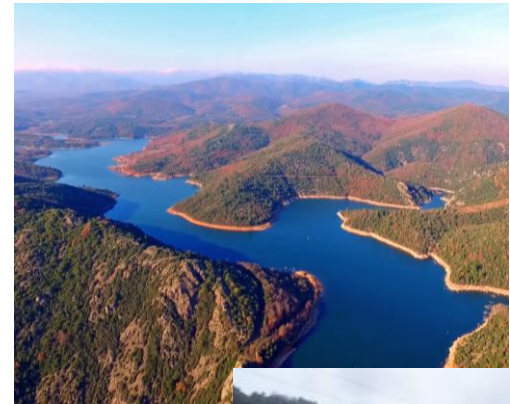
Existing system in
Kastraki Dam, Greece



Existing system in
Xiliatos Dam, Cyprus

Technical application benefits

- Increase of the reservoir storage capacity by retaining overflowing water
 - ✓ Ensure **more water** for irrigation, drinking, industrial use, as well as flood control in a sustainable manner & augment capacity by about 1.7 cubic meters annually, i.e. 14% increase per year, benefiting about 85.000 people.
 - ✓ Apply an **innovative technology**, i.e. free standing gates
 - ✓ Enable the **expansion of the water supply network** to new neighborhoods
 - ✓ Ensure or even increase the ecological flow of the river
- Optimization of existing large scale water infrastructure
 - ✓ Compliance with the EU Water Framework Directive & international guidelines for **optimizing existing large scale water infrastructure**
- Reduction of the use of underground water sources
 - ✓ Alleviation the pressure on **over-exploited and salinized aquifers**
 - ✓ Saving of considerable municipal **electricity costs** for water extraction
 - ✓ Protect the biodiversity downstream



Dipotamos Dam
Reservoir & Spillway

Capacity Building & Stakeholder Engagement

- A **Serious Game** has been developed for Alexandroupolis
- The game serves as a tool for **capacity building workshops** with **authorities & key stakeholders** and was developed both in Greek and in English
- This role-playing game enables key-stakeholders to get familiar with various water management solutions and climate change adaptation measures through the use of **non conventional water resources** and **the implementation of urban green-blue infrastructure**.



Education & Awareness Raising

- Hands-on activities for **students** in local schools and **teacher** trainings
- Development of an **online platform**, “**Water-polis | Neroupoli**”, that forms as a dynamic and interactive educational tool for both students and teachers



- Dedicated **website**, publicity material, public campaign
- Communication activities focus on:
 - ✓ Encouraging **water saving**
 - ✓ Promoting **green-blue infrastructure**
 - ✓ Disseminating the projects' **achievements**

More information:

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[GWPMed](#)

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