

# GIFT - Green Infrastructure for Forests and Trees

**„Modernization of Zoo Zagreb, Phase I”**

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## ABOUT THE PROJECT

**User of the project:** The City of Zagreb

**Partner:** ZOO Zagreb

**Duration of the project:** 24 month (10.10.2014.-30.06.2016.)

**Total value of the project:** 5.000.000,00 EUR

**Source of funding:** European Fund for Regional Development - 95%

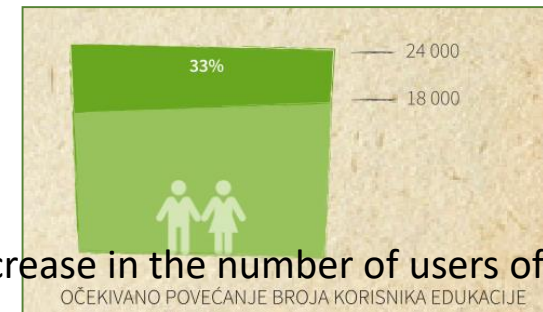
City of Zagreb budget - 5%

# PROJECT GOALS

The project aims to strengthen the tourist potential of the city of Zagreb through the increase of the tourist and educational potential and the offer of the Zoo, and through the establishment of a more efficient management system and operations of the ZOO.



Expected increase in the number of visitors



Expected increase in the number of users of education



# Modernization - a new brand for the ZOO and the City of Zagreb in the use of EU funds

Modernization I submitted to the public call for grants

Implementation of the project "City windows to nature - improvement of urban biodiversity and green infrastructure - Modernization II"

„Life for Maremys – Mauremys rivulata – conservation of the umbrella species of the Mediterranean wetlandst in Dubrovnik Neretva County”

2011

2012

2013

2014

2015

2016

2017

2020

2021

Preparation of project and project-technical documentation

Start of project implementation on October 2014

Implementation

„Wildlife rescue center - Modernization III”

IZGRADENO U PROJEKTU:

- 1 Istočni ulaz
- 2 Edukacijski centar
- 3 Centralna kotlovnica
- 4 Volijera za afričke ptice
- 5 Restoran, odmoriste, vidikovac
- 6 Glavni ulaz s nastambom za pelikane
- 7 Infokućica
- 8 Madagaskar i suvenirnica
- 9 Ribarev most
- 10 Darwinov most
- 11 Lavlji most
- 12 Napuljski ribar
- 13 Labuđi otok
- 14 Ograda Zoo vrta
- 15 Staze i šetnice
- 16 Zebrin trg

# Area of project implementation



# All planned results of the project were achieved

- Project implementation - 721 days or 103 weeks
- All planned results of the project were achieved
- Number of new buildings – 10 (Main entrance, East entrance, Pelican enclosure, Fisherman's bridge, Darwin bridge, Aviary for African birds, Restaurant with visitor resting area, Educational center with multi-functional square, Madagascar-souvenir shop and Madagascar animal enclosure)
- Number of new and renovated buildings - 9 (Info centre, Lion's bridge, north and south fence, part of the paths and walkways, temporary aviaries and dwellings, pellet boiler house, Swan Island, Fisherman sculpture).
- Newly built or remodeled premises - over 5,000 m<sup>2</sup>
- Planted over 80 trees and several hundred pieces of decorative bushes (without flowering plants)
- Installed over 3.1 km of new electrical cables

# Resources invested in project implementation

## **Project team**

- Project team for preparation - 12 people,
- Implementation project team - 14 people
- Number of coordinations of the project team – 92
- construction coordination of high-rise construction – 76
- construction coordination of civil engineering (paths, bridges, fences) – 55
- "officially" recognized working hours of the team - 24,544

## **Contractors, service providers (after procurement procedures)**

- The number of contractor companies and subcontractors that worked on the project – 87
- The number of employees of companies that were contracted during the implementation - more than 350
- Number of printed sheets of paper for documentation purposes (mainly construction) - over 72,000 sheets
- Memory required to store data - 800 GB
- Number of public procurement procedures (open procedures) – 13



# NEWLY CREATED VALUES

- Protection and preservation of cultural and natural heritage as a prerequisite for sustainable management and green infrastructure in protected areas
- Contemporary architectural values
- Application of new information technologies
- Organizational development of the Institution and the City of Zagreb







Reduction of the share of fossil fuels and the introduction of new sources in ZOO Zagreb



# Natural based solutions

*„actions to protect, sustainably manage, and restore natural or modified ecosystems, which address societal challenges effectively and adaptively, simultaneously providing human well-being and biodiversity benefits.“*



**Green roofs – Green solution with positive impact on heat consumption and biodiversity**



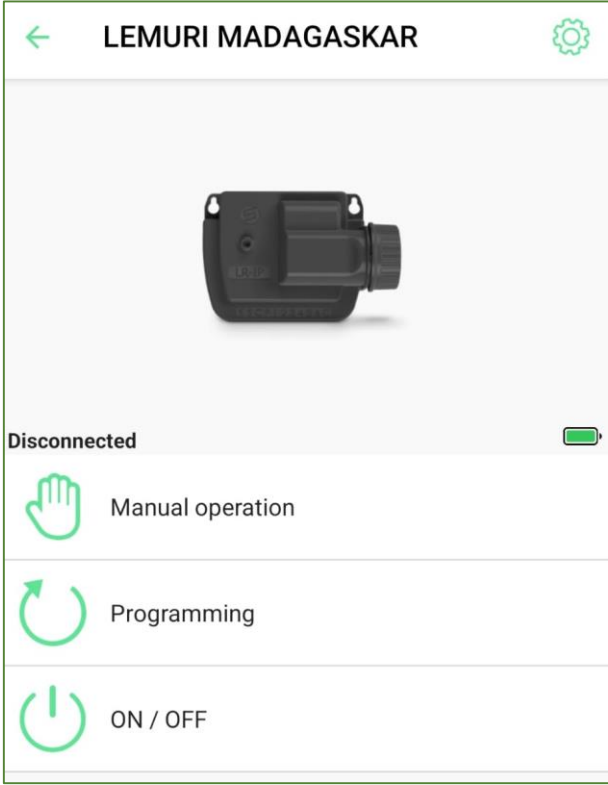
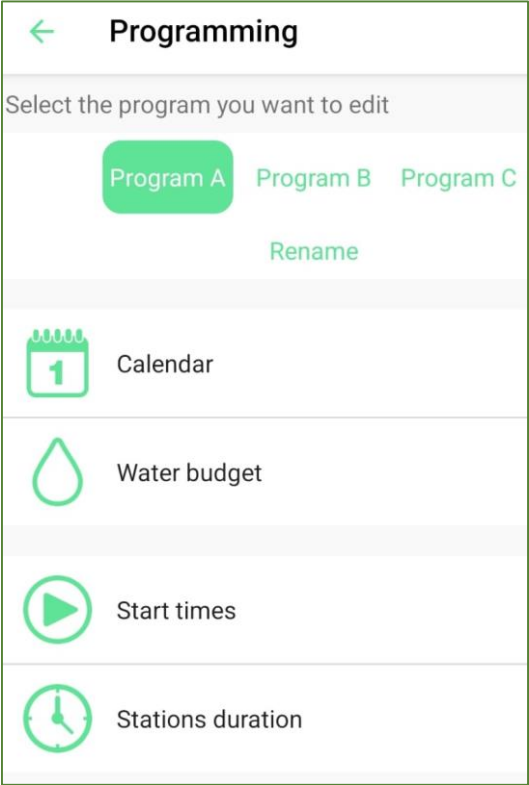


# Water biofiltration - sustainable use of water resources and educational platform





# Green walls - construction and their improvement



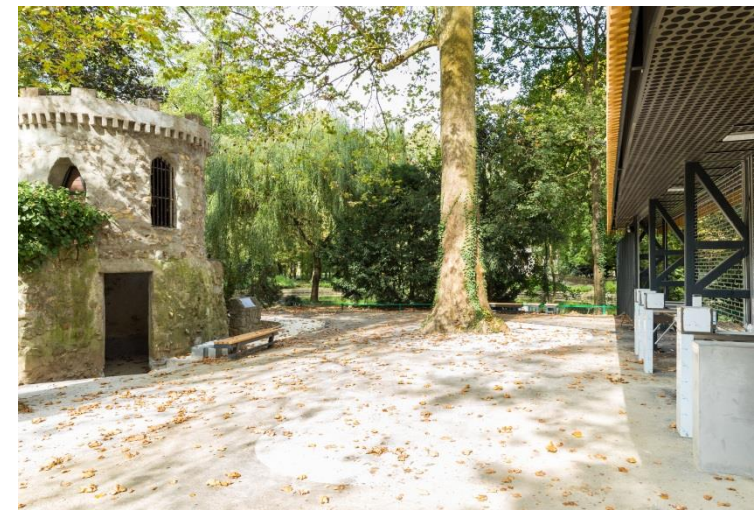
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# Protection of cultural and historical heritage



# PROJECT MODERNIZATION I - IN THE LIGHT OF GREEN INFRASTRUCTURE

Project team - 14 people (ten different professions)

Mixed team - from the City of Zagreb (4 people), from the Zagreb Zoo (8 people) and external collaborators (2 people)

- Multidisciplinary synergistic effect





## THE PROJECT ARE PEOPLE

**A well-coordinated and balanced team ensured success in implementation. The employees of the ZOO performed a significant part of the activities in the preparation and implementation of the project, they ensured the accessibility of the garden to citizens throughout the implementation period and enabled the execution of works and the furnishing of facilities without restrictions. Employees of the City of Zagreb - various specialties and city administrative bodies worked on harmonizing project elements in preparation and implementation, timely implementation of necessary procedures while creating formal and legal prerequisites for successful implementation.**

# GREEN INFRASTRUCTURE AND ZOOS

- ZOOs represent a great training ground for the implementation of green policy measures, given that the protection of the environment, nature and species is their fundamental principle of operation.
- Modern ZOOs move away from just keeping animals, but rather represent habitats and species and often have strong education-oriented systems.
- Through the organization of events, they represent an ideal platform for the development and promotion of education and educational events for different age categories (children, students, seniors).
- In addition, at the EU level, the annual number of visitors is around 450,000,000, which represents a large number of individuals for whom green policies are a topic they are thinking about and which is interesting to them.
- In different ways, they are involved in "in-situ" and "ex-situ" protection of protected species and habitats.

**THANK YOU FOR YOUR ATTENTION**

