THE AREA



Văcăresti Natural Park

- First urban nature reserve in Romania
- 183 hectares
- · Home to a rich variety of flora and fauna
- · Role in regulating urban heatwaves in Bucharest

Childrens World Park

- Urban recreational park in Bucharest
- 19.3 hectares
- Habitat for the green toad Bufotes viridis, a protected species that disappeared, due to environmental conditions, in Văcăresti Natural Park
- · Highly appreciated by families with children, athletes, or people who live in the neighborhood

INVOLVED PARTNERS







ABOUT NATALIF

NATALIE is an European Union research project contributing to the objectives of the EU mission "Adaptation to Climate Change", aiming to empower at least 150 regions and local communities to become climate resilient by 2030.

To achieve our technical, financial, legal and social objectives, we are a consortium of 43 partners committed for 5 years to the common goal of accelerating the adoption of Nature-based Solutions (NBS) across Europe.

8 CASE STUDIES

18 NBS are being implemented, monitored and their performance assessed in 8 demonstration sites covering 6 different biogeographical regions of Europe. All these sites have different context and are facing different climatic challenges.

The potential of replication of these solutions will be studied in 4 "follower sites".



Funded by the European Union







GET IN TOUCH

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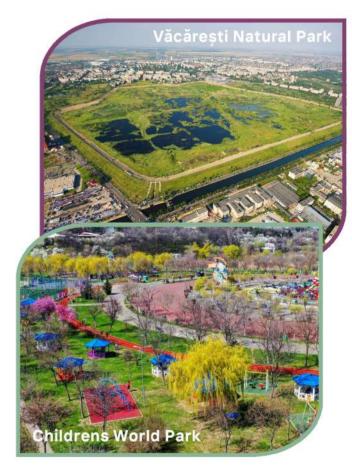






FRESH WATER HABITAT **RESTORATION IN URBAN ECOSYSTEMS**

Bucharest. Romania





CLIMATE CHANGE CHALLENGES

Altered precipitation patterns and rising temperatures have led to the drying of wetlands and small lakes in the

Văcăresti Natural Park.



Rising temperatures

intensify **urban** heatwaves

in Bucharest.



2

Heavy rains caused flooding near the Children World Park area.



COMMON OBJECTIVES

- * Develop Văcărești Nature Park as a **NBS for rainwater retention**,
- * Preserve urban **green spaces** as crucial habitat for biodiversity,
- * Support the protection of **urban biodiversity** and enhance its capacity to provide **ecosystem** services,
 - * Connect Văcărești Natural Park to the city's **green-blue infrastructure**,
 - * Promoting Childrens World Park
 as a space for raising awareness about
 the contribution of nature and green
 solutions to the well-being
 of the community



- * Design and construct seasonal rainwater collection and storage, bio-filtration,
- * Monitoring scheme and adaptive management plan to assess the effectiveness of the NBS in place,
- * Engage and share knowledge with local communities on NBS,
- * Upscale the results in regional, national and other Eastern European contexts.

NATURE-BASED SOLUTIONS

What are Nature-based Solutions (NBS)?

"Solutions inspired and supported by nature, which are cost-effective, simultaneously provide environmental, social and economic benefits and help build resilience."

European Commission, 2015

NBS Deployed

Both sites focus on retaining rainwater from wet periods for use during drier season.

- Văcărești Natural Park: Collect, treat and maintain rainwater to support wetlands and ponds.
- Children's World Park: Transform parts of the park into a rainwater catchment area, to prevent street flooding during heavy rainfall.



Dan BARBULESCU, VNPA

NATALIE is the first biodiversity conservation and climate change mitigation project in Bucharest. Thanks to the project, we have the opportunity to talk to people about how the climate will affect their lives and about the available solutions to mitigate the effects of climate change.

