

Klimaticky



odolná

The Climate
resilient
Bratislava

Bratislava

cirkulárna ekonomika

infraštruktúry

komunity

medzinárodná
konferencia

zeleno-modrá

urbanizmus

manažment

vodozadržné opatrenia

biodiverzita

dažďovej vody



KLIMATICKY ODOLNÁ BRATISLAVA – PILOTNÉ PROJEKTY ZAMERANÉ NA DEKARBONIZÁCIU, ENERGETICKÚ ÚČINNOSŤ BUDOV A UDRŽATEĽNÉ HOSPODÁRENIE S DAŽĎOVOU VODOU V MESTSKOM PROSTREDÍ

(ČÍSLO PROJEKTU: ACC01P03)

The Climate resilient Bratislava- Pilot projects focused on decarbonization, energy efficiency of buildings and sustainable management with rainwater in the urban environment

Projekt bol podporený Grantom EHP a Nórska, s príspevkom zo štátneho rozpočtu SR

The project has been co-financed from the EEA and Norway Grants and from the state budget of the Slovak Republic

Speaker: **Ing. Petra Romaniaková**/Magistrát hlavného mesta Bratislavy, Oddelenie implementácie externého financovania

Overview

Project duration



26.02.2021 – 26.2.2024

The project consortium consists of 5 partners:

- Bratislava the Capital of the Slovak Republic (BCSR)
- its affiliated organization the Metropolitan Institute of Bratislava (MIB)
- Comenius University in Bratislava - Faculty of Natural Sciences (CUB-FNS)
- City of Reykjavik - Icelandic partner
- City of Bergen - Norwegian partner

Project financing

Grant: 1 377 176 EUR

Includes: **1 170 600 EUR** from EEA and Norway Grants
206 576 EUR from State budget of the Slovak republic

Estimated own resources: 1,6 mil. EUR

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The main objectives



- Action Plan for Climate Change Mitigation and Adaptation up to 2030
- Reduction of greenhouse gases by at least 1 785 t of CO₂ eq.
- Complex energy efficiency related renovation of 4 public buildings
- 2 complementary environmental sub-projects to investment projects
- Implementation of a pilot project to solve the problem of pluvial flooding at clover-leaf crossing
- Implementation of 25 eligible mitigation and adaptation measures (grey/energy efficiency - 9, blue and green - 11, soft - 5)
- Partnership development
- Organizing activities that bring different target groups together
- Mandatory and voluntary publicity of donor and the EEA financial mechanism
- Raising awareness on climate change among the local population, local municipalities and their employees
- Media presentation with regional and nationwide scope



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The project activities

- **A1 - Development of the Action Plan for Climate Change Mitigation and Adaptation up to 2030**
- **A2 - Complex building renovations and public spaces – Energy efficiency measures**
- **A3 - Complex building renovations and public spaces – Green and blue measures**
- **A4 - Measures to increase the city's infiltration capacity**
- **A5 - Community building activities**

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Mitigation and adaptation measures

Grey /energy efficiency measures (9):

1. Action Plan for Climate Change Mitigation and Adaptation up to 2030
2. Thermal insulation of building walls and envelope, roof, the lowest floor
3. Hydronic balancing of HVAC systems
4. Action of reducing consumption of hot and cold water
5. Installing Intelligent interior lighting
6. Installation of measurement and control systems, measurement and monitoring of energy consumption
7. Installation of facilities using photovoltaic panels
8. Replacement of fillings of building openings
9. Installation of facilities using solar energy for hot water

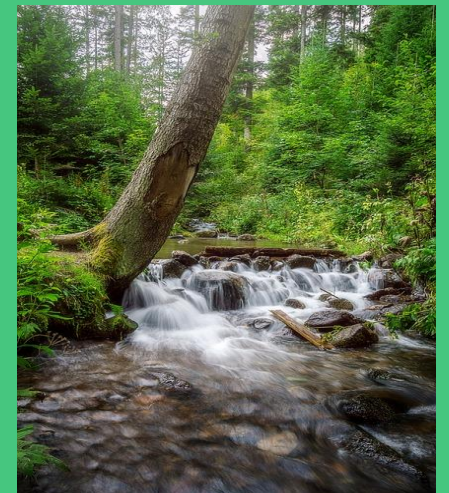


Mitigation and adaptation measures



Blue and green measures (11):

1. Increasing the share of vegetation in settled areas and support of the formation of suitable microclimate for pedestrians and cyclists
2. Increasing the share water elements in settled areas and support of the formation of suitable microclimate for pedestrians and cyclists
3. Reducing the share of heat islands occurrence
4. Rainwater consumption by re-use of rainfall and waste "grey" water
5. Reducing water consumption by re-use of rainfall and waste "grey" water
6. Constructing technical elements to slow down/regulate rainwater runoff and keep it in the environment, outside the sewerage system
7. Reducing the vulnerability of vegetation or soil against long-term drought
8. Increasing the infiltration capacity of territory
9. Building natural or technical flood elements
10. Crating consistent resilient green areas
11. Supporting interconnection between green and blue infrastructure



Mitigation and adaptation measures



Soft measures focusing on information and awareness raising activities on climate change mitigation and adaptation (5):

Building information channels of "Good Practice" of sustainable land and country management

1. Websites & Social media

Raising awareness of the causes and prevention of greenhouse gas emissions, the effects of climate change and how to adapt to them through exchange of experience, peer to peer reviews, edification

1. Opening conference & Kick-off workshop & Closing conference
2. Professional Conferences & Expert workshops
3. Workshops and community activities for the public and cooperation with stakeholders
4. Dissemination of project results and action plan outputs - list of grey, green and blue measures suitable for application in all urban districts of Bratislava city

Ďakujeme za pozornosť

Thank you
for your
attention



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