



The UPSURGE Project Final Conference

Guiding Cities to Deliver Regenerative Urban Transformation

Regenerative Innovation in Practice

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Budapest 18th District, Hungary (BP18)

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Katowice, Poland



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Identified Problems in BP18

- Before UPSURGE
 - Air quality – commuters traffic load & heating
 - Torrential rain flooding & hot and dry summer
 - water retention with NBS
- During UPSURGE
 - Low participation willingness
 - Shortage of human resource and inhouse expertise
 - targeted Place Lab activities



1st Step: Flagship Intervention (2023)

- 34 m² raingarden at Tomory Lajos Museum – as reference
- Important venue for district education, concerts, summer camps, UPSURGE workshops
- Green attitude of staff



2nd Step: Passive Involvement (2024)

- 25+7 public raingardens (mostly 4-6 m² size)
- Between road & sidewalk, in front of citizens' properties
- Information boards, invitation for voluntary maintenance



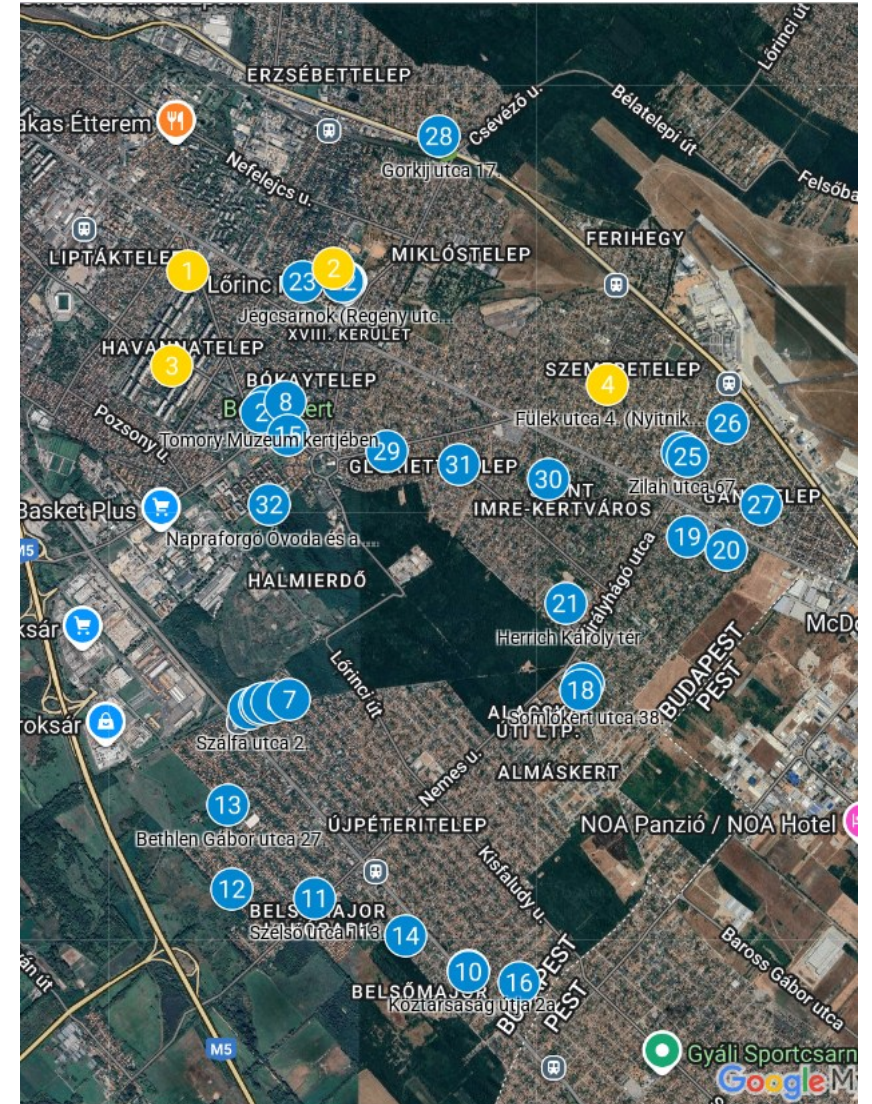
3rd Step: Active Involvement (2024-2025)

- 25 private raingardens (2-3 m² size)
- Call & applications, on private properties
- Workshop to get comfortable with concept



Key Learnings

- Mosaic interventions
- Less resource, than grey infrastructure, find hotspots, create network
- Improves climate-resilience
- Visibility – education purposes
- Citizen involvement and education
- Resistance before physical positive experience
- Key to ensure maintenance and replication



Key Learnings

- Development of best practice
 - Challenges, technical design, plant selection, timing of implementation
 - Inhouse expertise in raingarden NbS development and maintenance
 - Education of city maintenance company
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- Replication
 - 3 new raingardens by municipality
 - Knowledge share with other cities, project, University of Landscaping



City-centered approach to catalyze nature-based solutions through the EU Regenerative Urban Lighthouse for pollution alleviation and regenerative development



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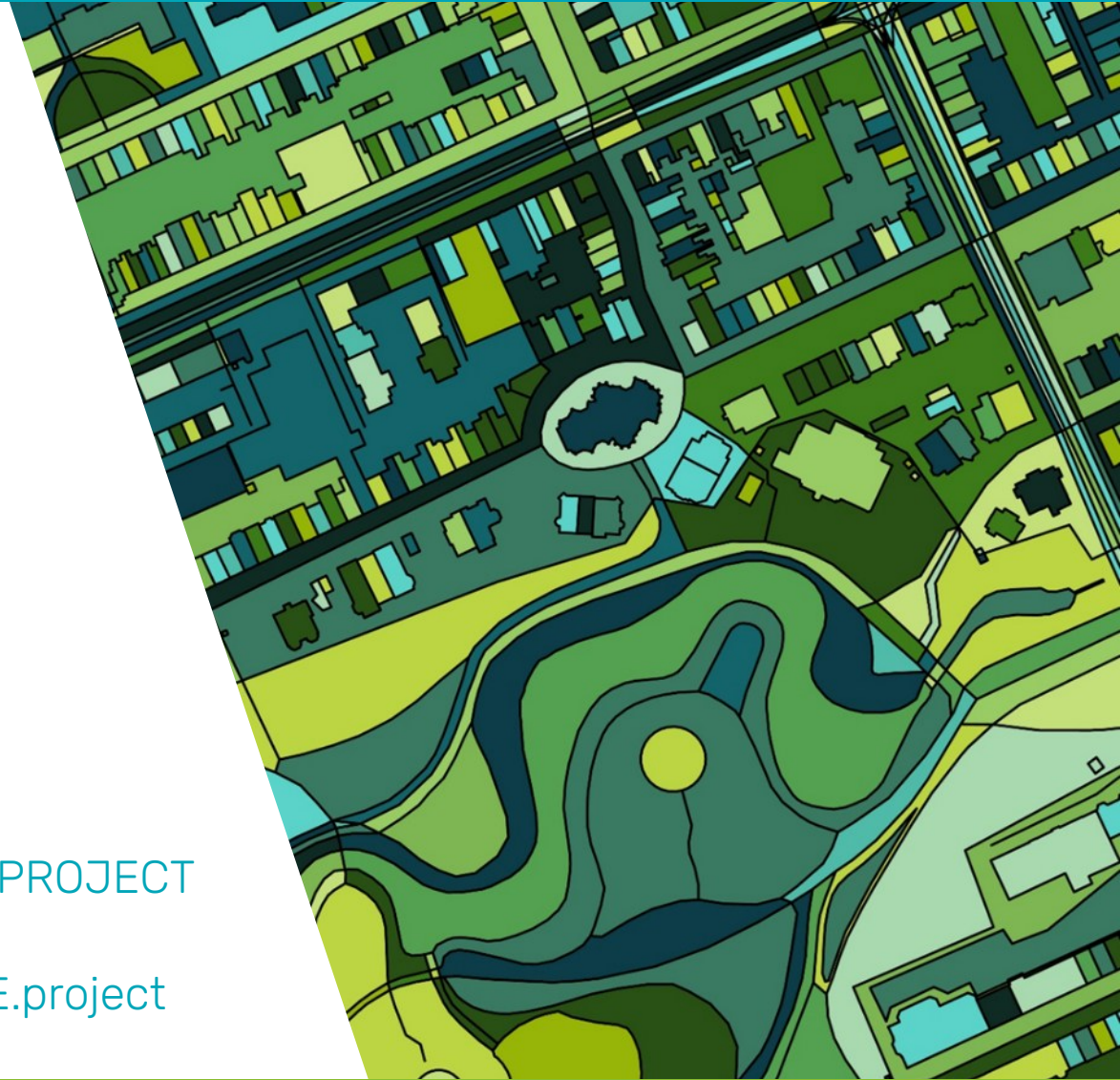
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