

iWater project

Integrated, Holistic and Sustainable Stormwater Management

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Interreg Central Baltic Programme 2014-2020 Annual Event



Integrated Stormwater Management
www.integratedstormwater.eu



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iWater: the «Flagship» project

... of the EUSBSR Horizontal Action Climate

Flagship status for iWater project

On 9th February 2017, the National Coordinators of the EUSBSR decided to grant EUSBSR Flagship project status to the iWater project.

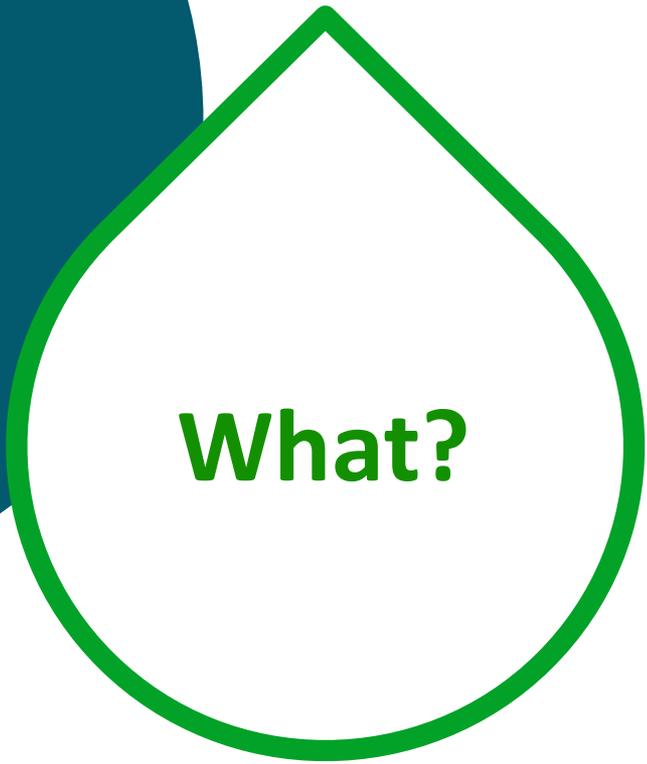
Application to get flagship status on behalf of the project consortia was submitted to the HA Climate Leader on 29th November 2016.

Proposal to grant flagship status to the project was formally endorsed by the HA Climate Coordination Group on 23.01.2017 and thereafter (23.01.2017) proposal was submitted to the Commission.





iWater



What?



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Outcomes



Cities



Stormwater
management
plans



Innovative
stormwater
designs



From a waste to a resource

Impact

- In the iWater project 7 Central Baltic cities **benefited from collaboration** within the preparation of stormwater programmes in their cities
- iWater promoted development of a **high quality, clean and safe urban environment** through stormwater management that protects and mimics the natural water cycle
- iWater supported the usage of **green infrastructure** to deal with stormwater in urban environment



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By whom?



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Partners

of the iWater project

A consortium of **9 iWater partners** representing all **4 Central Baltic countries**:

City of Gävle, SE

City of Turku, FI

City of Tartu, EE

City of Helsinki, FI

City of Riga, LV

City of Söderhamn, SE

Union of the Baltic Cities

City of Jelgava, LV

Aalto University, FI





iWater



**Our
approach**



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Our approach

to the implementation of the iWater project

The iWater project applied **highly participative, hands-on urban planning approach**. The iWater-initiated stakeholders' involvement in cities' stormwater management processes resulted in:

- finding common understanding and agreeing on common goals
- improving knowledge and understanding of the benefits of integrated stormwater management





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Results



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Integrated Stormwater Management

Guidelines



Cover photo: Shutterstock



New Approach to Stormwater Management

Integrated Stormwater Management (ISWM)

What is the **Integrated Stormwater Management (ISWM)**?

- based on a **holistic approach**
- applies greener, more **sustainable urban planning principles**
- promotes **additional environmental benefits** such as presence of multiple ecosystem services in urban environment
- promotes **transition** from conventional drainage to sustainable drainage; priority – Green Infrastructures vs. Gray Infrastructures (SuDS, LID, etc.)



Green Factor Tool

Adopted in 7 partner cities



Cover photo: Shutterstock





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Impact



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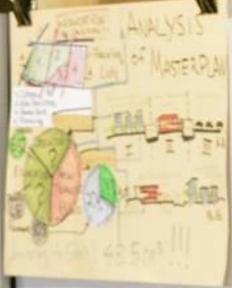


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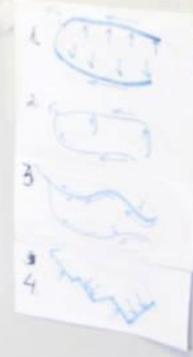


Better knowledge





Sustainable design...
Water...
Cultural...
Transportation...



**New approach
to urban and
stormwater planning**

Integrating Green Infrastructures and Nature Based Solutions ...



Construction phase ...



... and operational phase







18.09.2017.
35mm, 8h, P=6 g *
9,2mm, 1h, P=0,7 g
44,2mm, 8-9 h, P=17 g
52,9mm, 24h, P=12,5 g (18/09/2017)

**Improved collaboration,
transnational learning**



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iWater: the continuation

... inspiration for several new stormwater-related international collaboration projects

PLATFORM
BSR WATER

 **Interreg**
Baltic Sea Region



Platform on integrated water
cooperation:

<https://www.bsrwater.eu/>



Testing new stormwater treatment
solutions for reduction of hazardous
substances and toxins inflows into the
Baltic Sea:

<https://cleanstormwater.viimsivald.ee/>



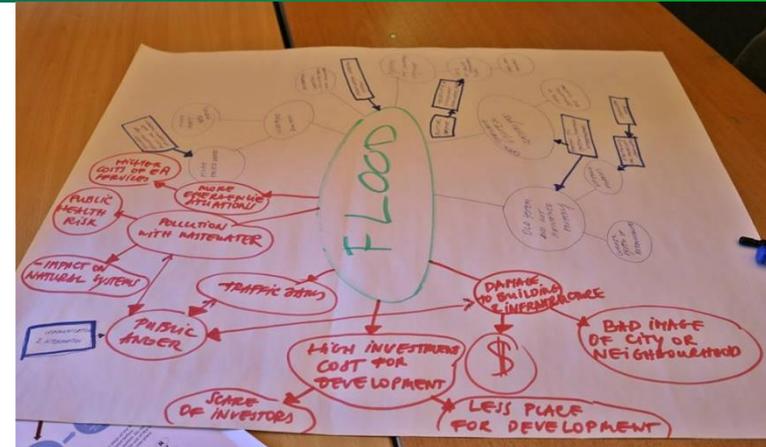
Lessons Learnt



Learn from us!

All the iWater project results can be found on the website:

www.integratedstormwater.eu



Thank you!

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