Latvia: Status quo: demands, needs and future steps in stormwater planning

BalticFlows

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Stormwater cluster development in Latvia

Developed Storm water CLUSTER – triple helix model

Public sector
- mainly municipalities

Business sector
- subsidiary companies, engineering and planning companies

Research institutions
- mainly universities
Stormwater cluster development in Latvia

ACHIEVEMENTS:

• Gathered the field experts
• Stressed topicality of rain water management
• Raised capacity working together in the cluster as common unit
• Organized face to face meetings for more detailed discussions
• 3 common meetings organized with actual topics and discussions
• Achieved 4 project initiatives to develop stormwater management system
• Project ideas conception submitted in the BSR programme call
THE CLUSTER member needs:

• To set up common goals and actions to improve real situation
• To develop new projects
• To share experience and spread out the best examples
• To integrate stormwater management within planning documents

BUSINESS sector needs:

• To receive technical help in order to export knowledge, to sell products, to find new markets, to realize international projects
• To strength the cooperation and collaboration among different sector representatives
• To educate municipalities in new technologies, possibilities, innovations
• To raise the capacity of R&D project implementation in Latvia
• To educate new professionals
• To improve availability of data
PUBLIC sector needs:

- To find financial support for stormwater management
- To raise society awareness of stormwater management
- To develop rain water tariff system
- To improve the building standards
- To implement pilot projects
- To share responsibilities, support from the government

RESEARCH sector needs:

- To find financial support
- To find partners for research cooperation
- To cooperate with entrepreneurs in order to implement new technologies
I. Rain water tariff system development

Rain water tariff introduction is a part of sustainable urban planning, with systematic investments to increase rain water sewerage system management and cost effective solutions

– Methodology for stormwater management costs
– Estimates and costs of flooding cases
– Study visits
– Digital programme
– Public information campaign
– Tariff rate determination
– 3 pilot municipalities
Project initiatives

II. Database / platform of total rainwater sewerage network

The need of trustful and updated data about rain water sewage network; sewage treatment plants
- Summaries rain water management and monitoring technologies, services, products
- Digital mapping
- Technology instillation timetable, guarantees, deprecation
- Modelling flooding and water run off places
- Building knowledge capacity in local governments
III. Test field of technologies, certification

Stimulate innovative technology development in the field of rain water management and monitoring:

- Expert team establishment
- Best mechanism evaluation, knowledge exchange
- Description of laboratory
- Team building
- Patents
- Establishment of the technology park/centre
Project initiatives

IV. Update national legislation

There is need for updated construction standard compliance with tendencies of rainfalls, climate change in national level

- Collection of rainfall intensity data and result assessment
- Evaluation of construction standard methodology
- Transfer the knowledge of best practice
Legal framework

Several Regulations of the Cabinet of Ministers of the Republic of Latvia has been published based on the Water Management Law. These Regulations transpose Water Framework Directive requirements.

At the moment the ongoing development of binding documents:

- Water management regulation (law) is being developed
- Building standard LBN 223-99
- River basins management plans
- Stormwater management activities included in the Riga Planning Region Development Programme 2014-2020 (final actualization June, 2015)
Future steps

• Regular cluster meetings about the indicated topics
• Support for common project development
• Activities regarding on stormwater management development
• Cooperation with the Latvian Water Management and Sewerage Companies Association
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Thank you!

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