Interreg BSR NOAH

Protecting Baltic Sea from untreated wastewater spillages during flood events in urban areas

NEWS & UPDATES

July–December 2020

- **Progress meeting & project prolongation**

  The period 4 progress meeting was held online on the 7th of October 2020 (face-to-face meetings cancelled/postponed due to COVID-19). Current project actions such as pilot site activities and investments, modelling, water quality monitoring and project reporting were discussed.

  The project has received a six-month prolongation, i.e. the end date of project activities is the 31st of December 2021.

- **Pilot site activities**

  The work with the investments in NOAH pilot sites has experienced some minor delays due to the COVID-19 situation, but the installation of the sensors and actuators is to be finalized by the end of 2020. Project output *3.4 Pilot investments in partner municipalities* is finalized by the end of the year, as well.

  The project website has a new section called *NOAH pilot sites* which holds introductions of the sites and descriptions of main NOAH actions (accompanied with links to more detailed reports). In addition, the map displays all pilot municipalities and holds photos of the work done with pilot installations.

  1. Söderhamn, Sweden
  2. Pori, Finland
  3. Rakvere, Estonia
  4. Haapsalu, Estonia
  5. Jurmala, Latvia
  6. Ogre, Latvia
  7. Liepaja, Latvia
  8. Slupsk, Poland

- **Extreme Weather Layer (EWL) & visualization of the project results**

  The main aim of the project is to produce the Extreme Weather Layer (EWL), a tool to develop city planning and stormwater management. The focus is in the estimation of the capacity of existing stormwater systems and the risk evaluation in case of intensive weather events. The tool helps in the assessment of how new conditions or additions (construction, parking lot etc.) in an area affect the performance of the stormwater network. The tool gives the experts the possibility to do holistic planning and use the information of the possible effects of climate change already in the planning phase.

  Project output *2.4 Pilot implementation of Extreme Weather Layer* is finalized by the end of project period 4 (31 December 2020) and the tool itself will be presented in early 2021.

In addition to creating the EWL for experts, the project results will be visualized to provide the stakeholders outside the partnership with material of the project activities and effects. Images and videos are created to depict extreme weather events' impact on urban drainage systems and the contamination levels of wastewater spillages to the Baltic Sea, along with the effects of the new NOAH urban water management solutions.

- **Project-related publications**

Articles/papers/news on NOAH published May–November 2020:

- ENG: Journal of Water Supply: Research and Technology, Vol. 69, Issue 3, May 2020: Kändler, N.; Annus, I.; Vassiljev, A.; Puust, R. Real time controlled sustainable urban drainage systems in dense urban areas.
- PL: Water Notebook magazine, Polish Waterworks Chamber of Commerce (IGWP), July 2020: Projekt NOAH
- LV: Website of project partner Jurmalas Udens Ltd., media release, September 2020: https://jurmalasudens.lv/?ct=noah
- ENG: Project article by Polish NOAH partners, 8 October 2020: Aims and actions of the NOAH project – pilot case Słupsk
- PL: Przeglad Komunalny (Communal Review) magazine, 10/2020: Zatrzymać wodę w mieście (Article not available online)
- EE: Website of Estonian Waterworks Association / Eesti Vee-ettevõtete Liit, 12 November 2020: Uued lahendused üleujutuste ohjamiseks, et vältida reovee sattumist Läänemerre

All NOAH articles are listed on the *Project website » Media releases* as they are published.

- **Stakeholder Representative Panel**

The NOAH Stakeholder Representative Panel, established to efficiently reach the stakeholders outside the project partnership and to ensure the transnational value of the project, held the official period 4 meeting online on the 1st of December 2020. Project outputs, and finally the NOAH concept, will be introduced to the panel members – representing Denmark, Sweden, Finland, Russia, Estonia, and Lithuania – for discussion and joint development.

- **Cross-project cooperation**

NOAH cooperates with *COST Action DAMOCLES* - *Understanding and Modeling Compound Climate and Weather Events*, which examines the combination of physical processes leading to compound events such as droughts, extreme precipitation and storms including clustering of major events. The aim is to bring NOAH examples to DAMOCLES and to bring the experience of the DAMOCLES network to NOAH.