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Aihe: BEST Newsletter #2

Project BEST Newsletter #2



Dear project BEST stakeholder! You are receiving this letter, because we think you might be interested in knowing about the project and would like to be informed about the project proceeding. If you don't want to get this newsletter in future, please contact Project BEST communications manager Miitta Rantakari (first name.last name@hel.fi).



Fourth Project BEST workshop in Riga, Latvia

The fourth international workshop of the Project BEST will be arranged in Riga, Latvia 2 - 4 April, 2019. The participants heard excellent presentations about the management of industrial wastewaters in the BSR, the topics concerning the current

situation, legislation, success stories and still existing bottlenecks. The special focus was on food and dairy industry. The speakers presented very interesting cases about new investments and well-established pre-treatment of industrial waste waters, and about cooperation between the industry and the local treatment plant.

Innovative use of industrial sewage for energy production

Leszno water utility (WWTP Henrykowo) in Poland is investing in a pilot-scale fermentation unit in order to use sewage from e.g. meat industry for biogas production. They are also evaluating the potential benefits and challenges of utilizing effluents containing heavy metals and other harmful substances from the point of view of sludge utilization for energy production. City of Helsinki team had an opportunity to visit Leszno water utility and Henrykowo waste water treatment plant.



Focus on hazardous substances in industrial wastewater in Estonia

The third international workshop of the Project BEST was arranged in Toila, Estonia. The workshop concentrated on hazardous substances in waste water and their effects on treatment efficiency in municipal sewage treatment plants and utilization of sludge. Current recommendations and legislation regarding industrial waste water treatment were also covered. The workshop presented good examples of cooperation methods and technical solutions used to manage and pre-treat industrial waste waters. The panel discussion in the workshop brought up suggestions on regional targets, priorities and measures for updating of the BSAP segment on hazardous substances in industrial waste water management sector.

The third international workshop of the Project BEST was arranged in Toila,

Pilot device for removing harmful substances from waste water

Tallinn University of Technology TUT is working to find feasible technical solutions for removing harmful substances and phosphorus from waste water. They are aiming to find techniques which can be cost-efficiently applied at municipal WWTPs to enhance the cleaning process. TUT has built a pilot treatment device, which was in test use at the Tartu waste water treatment plant WWTP in the spring and summer 2018. Currently, the device is tested at Kohtla-Järve WWTP in eastern Estonia. The structure of the pilot device allows testing different filtering materials, coagulant doses and chemicals. Cost-efficiency of these alternate technologies is evaluated by comparing use of energy, and treatment chemicals to the treatment results. Watch the video of the pilot from BEST website [HERE](#). *Photo Argo Kuusik.*





More capacity for industrial waste water treatment

Waste water treatment plant in Doruchow, Poland needs modernization and more capacity. With the help of Interreg BSR funding through BEST project they are investing in a separate treatment line for the sewage from several meat industry facilities

in the area. They are also intending to test innovative new phosphorus filtering media, Polonite, which is formed from highly porous calcium silicate mineral. Polonite not only removes phosphorus from waste water, but also enables full phosphorus recovery. City of Helsinki team visited Doruchow commune and the waste water treatment plant in February.

Latvijas Piens is investing in pre-treatment of wastewater

Watch the interview of Development and Technical Director Dainis Kanepons from Latvijas Piens Cheese Factory [HERE](#).

Latvijas Piens LTD dairy company in Latvia is investing in regulation tank and flotation unit in order to improve the quality of their effluent wastewater. The aim is to reduce of the BOD and nutrient loads before discharging waste water to the Jelgavas Udens municipal WWTP and thus enhancing the treatment results at WWTP.



New BSR Water Platform project further develops outputs and results of BEST

City of Helsinki participates to the [BSR WATER Platform on Integrated Water Cooperation](#) - project as the BEST project lead partner (industrial sewage, nutrient recycling and hazardous substances). [BSR WATER](#) is coordinated by the Union of the Baltic Cities (UBC). BSR Water Platform project is funded by the Interreg Baltic Sea Region from October 2018 to March 2021. Platform projects are a funding resource for regular projects like BEST for further develop and find synergies in their outputs and results. Platform projects gather lead partners from big Baltic Sea wide [EUSBSR Flagship Projects](#) lead partners for creating e.g. stronger policy recommendations and proposals for legal development. *Photo Argo Kuusik.*

Polish and Norwegian sewage and sludge experts gathered in Poland

Waste water and sludge handling experts and environmental engineers from Poland and Norway gathered 23 - 25 October in "WATER-SEWAGE-SLUDGE-ENERGY" conference in Poznań, Poland. Barbara Grzebulska from REC Poland and Alicja Loch-Dzido from Gdańsk Water Foundation introduced BEST project to the audience and utilized concurrent fair to gather not only new contacts but also expert views about industrial sewage treatment at the municipal waste water treatment plants from the participants. This information will be utilized when working towards a BEST goal of coherent knowledge of the current industrial sewage treatment situation in the Baltic Sea Region. You can read more about this BEST goal [HERE](#). *Photo Barbara Grzebulska.*



Workshop for industrial waste water treatment experts of Finland in Helsinki

City of Helsinki arranged an industrial waste water expert workshop as part of the Work package two (WP2) work to collect information about the current situation of industrial sewage treated in municipal waste water treatment plants in Finland. The workshop gathered altogether 30 participants representing municipal waste water treatment plants, regional and local environmental authorities and environmental experts.

City of Helsinki arranged an industrial waste water expert workshop as part of the Work

You get this e-mail, because you are listed as a stakeholder of the BEST Project. If you don't want to receive these letters in future, please contact project communication manager Miitta Rantakari (firstname.lastname@hel.fi)

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