



EUSBSR EU STRATEGY FOR THE BALTIC SEA REGION



Discussion and decision on potential PA Nutri Flagship Projects - part 1

6th PA NUTRI Steering Committee meeting
24th September 2014
Warsaw, Poland

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NutriTrade - Nutrient Trading Scheme

Leader: John Nurminen Foundation (FI)

Objective: To define the best possible NTS for the BS region that would enable a cost-efficient and transparent reduction of nutrients in the BS by taking into account:

- The unit abatement cost for reducing 1 ton of P in WWTPs depending on their location.
- A mismatch of costs and benefits of reduced eutrophication depending on the country.
- The need to involve private sector companies in the protection of the BS.

Outcomes:

- 1) A pilot trading scheme
- 2) An established market and infrastructure for supply of affordable wwt chemicals to municipal waste water treatment plants in Russia and Belarus.

NutriTrade - Nutrient Trading Scheme

Leader: John Nurminen Foundation (**FI**)

Note from 5th SC meeting:

- HELCOM noted that this project goes in line with HELCOM ministerial declaration.
- Sweden supported the project idea.
- Generally it was agreed to approve the project as Flagship Project, when the list of confirmed partners will be completed.

Confirmed partners:

Vitebsk Vodokanal (**BY**), Sustainable Seas Initiative (**SE**).

→ Criteria on cooperation between at least two EU Baltic Sea Region states if other Baltic Sea Region state is involved - fulfilled

BaRuWa - Evaluation and promotion of rural wastewater treatment for reduction of nutrient loads to the Baltic Sea

Leader: POMInnO Sp. z o.o. **(PL)** + FI, DE, SE.

Objective: Evaluate and promote technologies for small-scale wastewater treatment suitable for rural areas.

Outcomes:

- 1) A comprehensive comparison of the performance and operational requirements of different small-scale wastewater treatment plants, including nutrient removal;
- 2) A technology catalogue with a business platform for small-scale wastewater treatment technologies;
- 3) A model for operation, maintenance and control of small-scale wastewater treatment;

BaRuWa - Evaluation and promotion of rural wastewater treatment for reduction of nutrient loads to the Baltic Sea

Leader: POMInnO Sp. z o.o. (PL) + FI, DE, SE.

- 4) A structured analysis of the market and supply chains for small-scale wastewater treatment plants in the BSR countries,
- 5) Learning package for customers (house owners) on how to use and maintain small scale wastewater treatment and how to choose the correct system (online toolbox),
- 6) Policy recommendations for small-scale wastewater treatment in the BSR

Note from 5th SC meeting:

The main obstacle to consider project BaRuWa as FPs was a discussion on similarities between this one and SUWMAB project - it was agreed that some kind of cooperation between projects would be needed.

→ Project leaders confirmed cooperation by signing an agreement.

SUWMAB - Strategies for sustainable communal wastewater management in the Baltic Sea Region

Leader: Gdańsk University of Technology (PL) + FI, SE

Objective: Promoting constructed wetlands in rural municipalities as a measure of domestic waste-water treatment.

Outcomes:

- 1) ready-to-implement eco-engineering solutions;
- 2) pilot investments in constructed wetland treatment systems;
- 3) established cooperation between experts and local authorities;
- 4) bottom-up preparation of local wastewater management plans & strategies;
- 5) raised awareness on the problems of water management in rural and suburban areas;
- 6) policy recommendations for national waste water treatment strategies.

SUWMAB - Strategies for sustainable communal wastewater management in the Baltic Sea Region

Note from 5th SC meeting:

- “It was asked whether such wetlands exist and could work in other northern countries as well.”
- Project leaders sent explanations on possibilities to apply constructed wetlands in SE and FI based on examples from Norway.
- “The SC noted that the partners of the project are all research organisations and it was noted that participation of local authorities and communities should be involved.”
- project leaders were asked to take into account these comments while preparing the main project. In the current project description they have already wrote that: Partnership shall consist of R&D and academic institutions with expertise in ecological engineering as well as local authorities and municipalities as implementing bodies.

SUWMAB - Strategies for sustainable communal wastewater management in the Baltic Sea Region

Note from 5th SC meeting:

The main obstacle to consider project SUWMAB as FPs was a discussion on similarities between this one and BaRuWa project - it was agreed that some kind of cooperation between projects would be needed.

→ Project leaders confirmed cooperation by signing an agreement.

Both SUWMAB and BaRuWa projects fulfilled the criteria for receiving Seed Money from EUSBSR SMF - approval in the beginning of October.

SmallWWTPs - Small Waste Water Treatment Plants

Leader: Turku University of Applied Sciences **(FI)** + DE, PL, LT

Objective: To improve the treatment of municipal wastewater in small WWTPs (300- 2000 persons).

Outcomes:

- 1) cost-efficiency calculations of different process technologies
- 2) technology alternatives and best practices for operating, renovating and constructing small WWTPs presented.
- 3) three to six pilot investments
- 4) dissemination of project results among the personnel of small WWTPs

SmallWWTPs - Small Waste Water Treatment Plants

Note from 5th SC meeting:

- Lack of WWTPs as partners of the project.
- Estonia supports the project idea, however, more partners from other regions are needed and operational scope is missing.

→ project partners confirmed from DE, LT and PL - scientific institutions + NGO.

Recently:

Comments from DG Environment → answers from project leaders → positive reaction from the DG ENV.

Baltic Deal Bridge - Agricultural practices, measures and investments on demo farms & advisory

Leader: The Federation of Swedish Farmers (**SE**) + LV, EE, LT, PL, RU, DK, FI, DE, NO.

Objective: To further improve the environmental status of the BS through promoting sustainable agricultural practices and maintaining the network.

Outcomes:

- 1) Maintaining the Baltic Deal demonstration farm network with emphasis of the international interactions;
- 2) Further development of the network for Baltic Farmer's Forum on the Environment to raise awareness, interest and proactive attitudes;
- 3) Spreading the knowledge on "Advanced nutrient management including precision farming and recycling";

Baltic Deal Bridge - Agricultural practices, measures and investments on demo farms & advisory

- 4) Spreading the knowledge on “Wetlands and drainage” by study visits to demo farms and state-of-art of the current situation in the BS region;
- 5) Compilation and evaluation of cost-efficient measures for reducing nutrient losses.

Note from 5th SC meeting:

- There is a need for clarifying the differences between Baltic Deal Bridge project and Baltic Deal Network project → Project Leaders ready to cooperate, but BD Network got no seed money funding.
- The comments from Polish Ministry of Agriculture and Rural Development were presented → questions answered by Project Leaders. e.g. BDBridge does not have any means to implement any agricultural measures.



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Thank you!

Joanna Charytonowicz, PAC Nutri, Poland