

Project: CB264 NutriTrade

DELIVERABLE 2.7

LIGHTHOUSE EXAMPLES

Due date of deliverable: M8

Responsible organisation for this deliverable: John Nurminen Foundation



1. Identified forerunners

The NutriTrade project team has searched for municipalities that are interested in neutralising their nutrient emissions by explaining project aims and the idea of offsetting in face to face meetings. The following municipalities seem to be potential forerunners in implementing offsetting activities:

- Helsinki

The city of Helsinki is interested in implementing a pilot project on nutrient neutrality. By the pilot, the city wants to cost-efficiently improve the state of the Baltic Sea while also promoting their businesses.

The pilot will aim at neutralising the annual nutrient load from the city of Helsinki. The annual nutrient load from HSY wastewater treatment plants totals 33 t P, of which the share of Helsinki is around 16 t P.

In the pilot, Helsinki and HSY will partly finance chemical wastewater treatment in Vitebsk, Belarus. In Belarus, wastewater is currently treated according to the standards of local legislation, but financing the pilot will enable the achievement of HELCOM standards.

Helsinki and HSY will both finance chemical wastewater treatment in Vitebsk with 12 000 euros. At this point, it is not possible to estimate the corresponding reduction in phosphorus emissions.

Many organisations make claims on climate neutrality and if they opt so, consumers can choose a GHG neutral power contract. In the future, could the consumer also choose a nutrient neutral water contract?

Contacts: Tommi Fred, HSY & Päivi Kippo-Edlund, City of Helsinki, Environment Centre

- Turku

Turku representatives have shown interest in activities that improve the state of waters and the Baltic Sea in Turku area. Potential locally implemented projects in the NutriTrade framework are e.g. the gypsum treatment of fields and the recycling of nutrients by increasing the consumption of cyprinid fish.

The plans for and the cost efficiency of Pilot Gypsum and Pilot Fish have been presented to Turku representatives and will be further discussed in future meetings. Turku will also participate in project Nutrient neutral municipality 2015 – 2017 (see next paragraph).

Contacts: Pekka Salminen & O-P Mäki, City of Turku

- Vehmaa, Mynämäki, Taivassalo, Turku, Pori and Nakkila

Nutrient neutral municipality 2015 – 2017 (RANKU) is a three-year development project coordinated by the ELY Centre of Southwest Finland. It aims at promoting the recycling and reuse of organic nutrients near their source and at conceptualizing an operating model for nutrient neutrality.

In a joint meeting by RANKU and NutriTrade coordinators, the following opportunities to cooperate were identified:

- Communicating the activities of RANKU municipalities to a wider audience with the help of a NutriTrade newsletter or a joint newsletter by NutriTrade and other nutrient related Central Baltic projects. This would promote the branding of nutrient neutrality in municipalities.

- Communicating the Nutrient footprint calculator (under development by John Nurminen Foundation) to RANKU project participants.
- Commenting, testing, development and marketing of the NutriTrade platform
- Participating in the Pilot Nutrient Exchange of NutriTrade
- Joint activities in the forthcoming Key project seminar of Sipilä Government

Contacts: Sanna Tikander and Mirja Koskinen, ELY Centre of Southwest Finland

- Kotka

Kotka is interested in neutralising its phosphorus emissions in 2017 to celebrate the 100th anniversary of Finnish independence. At the same time, Kotka will also highlight its long-term activities for the Baltic Sea e.g. by Merikotka and Kotka Maritime Festival.

Potential joint activities with NutriTrade include:

- Neutralisation of nutrient emissions with projects that have an impact on the state of the Gulf of Finland
- Visibility at the Baltic Sea Village of Kotka Maritime Festival in 2017
- Participation in activities around the Merikotka research agenda and ongoing projects (e.g. promoting the commercial use of fish).

Contacts: Henry Lindelöf & Terhi Lindholm, City of Kotka, Anna Kiiski, Merikotka

2. Conclusions

Based on discussions with various organisations, Helsinki, Turku, Vehmaa, Mynämäki, Taivassalo, Pori, Nakkila and Kotka have been identified as potential lighthouse examples.

So far the city of Helsinki has committed to participate in the NutriTrade platform. Hopefully, the leadership role taken by Helsinki will encourage others to follow suit, too.



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