



# NUTRIENT EXCHANGE AND NUTRIBUTE

- How to neutralise your own nutrient footprint

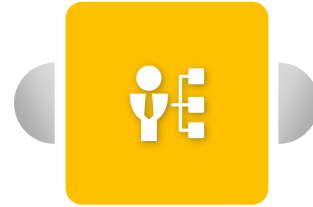
NutriTrade Final Seminar May 25, 2018





## What?

A free fundraising tool for activities that reduce eutrophication



## For whom?

Project owners (citizens, NGOs, ...) and donors (citizens, companies, ...)



## Why?

To support activities that protect the Baltic Sea & to secure their implementation

# To start a fundraising campaign, you need...

- Basic information on your activity (project name, idea and location)
- A fundraising goal (how much you plan to raise and when you need it)
- A pitching text explaining your idea to potential donors and an image of your campaign
- If you want, you can also boost your campaign with videos, links or expertise involved (voluntary)

## YOUR PLAN

How are you going to solve a problem (or take advantage of an opportunity)?

## YOUR IMPACT

What is the quantified nutrient reduction/removal associated with the minimum funding?

## RISKS AND CHALLENGES

How will you make sure the project is a success?

# Nutribute - Crowdfunding for the Baltic Sea

Welcome to launch or support a campaign!

CREATE YOUR CAMPAIGN

## MEASURES

Show All

Agricultural Activities

Industries

Municipal Wastewater Treatment

Other

Largest Impact

Most Cost Efficient

Most Funded

Rounding Off

Map View



Phosphorus removal in Kingisepp, Russia

📍 Russia

🕒 78 Days Left



Phosphorus removal at Vitebsk WWTP

📍 Belarus

🕒 115 Days Left



Pienet puhdistamot, suuri kuormitusriski

📍 Finland

🕒 332 Days Left

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## New Pump-Out Station For Leisure Boats

Keep the Archipelago Tidy Association is passionate about building a sustainable Baltic Sea region. We concentrate on tackling several environmental issues concerning the Baltic Sea both locally and through our input in different projects. Our operative tasks include managing 200 waste and recycling stations and 30 floating sewage pump-out stations in the maritime and lakeside Finland. We are also responsible for the maintenance and service of appr. 170 excursion harbours.

One of our constant efforts is to reduce the inflow of nutrients in waterways through sewage disposal. The dumping of sewage water in the sea and lakes was banned in 2005 in Finland, yet it is estimated that almost 50 per cent of boaters still do their sewage dumping into the waterways on a casual basis. This particular fact became evident in a survey conducted by the University of Turku in 2016. The reason for this casual dumping was also made clear. The shortage of pump-up stations or the poor condition of the existing ones are more than often the primary reasons for the disposal of sewages in our waters. This issue could easily be dealt with through new stations and better management.

The quantified nutrient reduction/removal is :7.0 kg/a

[CONTRIBUTE NOW](#)[SHARE CAMPAIGN ON FACEBOOK](#)

FUNDERS **13**



**€ 100.00**

Erik Wallin

04-18-2018

Finl. Initiativ!



**Anonymous**

Anonymous

03-02-2018



**€ 30.00**

Eva Länsiluoto

02-13-2018

Var och en kan bidra på något sätt i de ssa viktiga projekt. #itämeripuhtaaksi!

# NutriTrade – first few months

- The range of activities is not limited BUT they must deliver **concrete, measurable reductions** in nutrient discharges

- Current/completed campaigns



# Future?

Language  
versions

For local projects, it is natural to appeal to local donors in their own language

Nutrient offsetting  
= neutralisation of a  
nutrient footprint

The nutrient footprint of an average consumer, 4 kg PO<sub>4</sub>/a, could be neutralised by supporting a measure with a sum that delivers a corresponding reduction in nutrient loading

Nutrient  
Exchange

In a circular economy, the excess nutrients of some players will be a resource for others

# Nutrient Exchange



## INDUSTRIES WITH EXCESS OR IN NEED OF NUTRIENTS

- Mapping of nutrient sources and nutrient use
- Informing plants located near each other of the possibility for nutrient exchange



## SECONDARY PRODUCTS FROM NUTRIBUTE

- Listing of potential measures and their secondary products
- Review of existing platforms for nutrient exchange



## ROLE OF NUTRIBUTE

- Linking nutrient supply with demand (via existing platforms where possible)
- Info to be provided on the secondary products of nutrient reduction measures



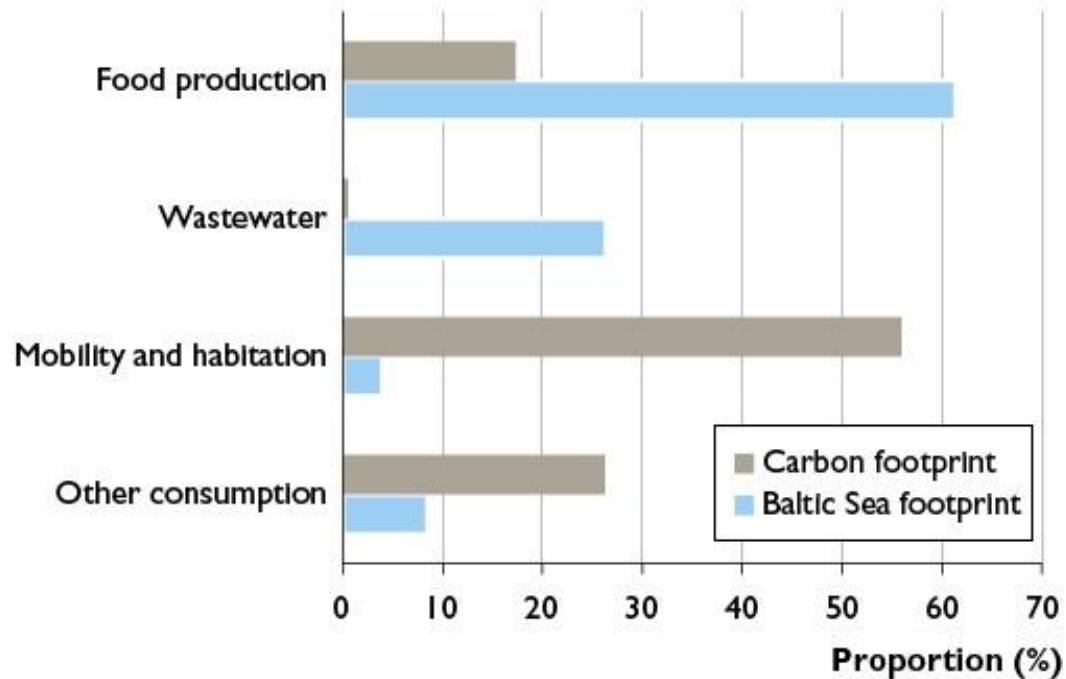
# Nutribute test users: Water utilities



- The City of Helsinki and HSY have offset the wastewater phosphorus discharges of Viikinmäki treatment plant by funding the treatment of wastewaters in Vitebsk, Belarus
- Helsinki became **the first city of the Baltic Sea area that is phosphorus neutral** in terms of its municipal wastewaters
- Three other Finnish water utilities have followed suit, neutralizing their nutrient footprints in various Nutribute projects
  - Kotka
  - Porvoo
  - Turku region

# Baltic Sea calculator

The average carbon footprint and the Baltic Sea footprint of Finnish people



Source: Finnish Environment Institute

- With the calculator consumers can determine the impacts of their consumption habits on nutrient pollution in the Baltic Sea
- Covers the most important sources of pollution arising from consumption
- Provides a new perspective on how consumers can help to improve the state of the Baltic Sea
- Based on statistics and life cycle analysis
- First of its kind in the world

<http://www.syke.fi/balticseacalculator>

# NUTRIBUTE

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