

BALTIC rePAIR

A PRIVATE LANDOWNER INITIATIVE

Steering Committee of Policy Area Nutri, EUSBSR
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Eutrophication challenges

- ❖ **One major source: agricultural run-off**
- ❖ **Almost all farmland is private**
- ❖ **Climate Change**
- ❖ **Additional remedial measures are still needed**

“The predicted impacts of global warming evidently make the BSAP’s strategic goal on eutrophication unattainable” - Effects of climate change on eutrophication in the Northern Baltic Sea, WWF 2008

“Adaptation should be carried out with an integrated landscape perspective, such that the water is kept in the landscape to avoid downstream flooding and eutrophication, while at the same time avoiding flooding in productive fields” - Baltadapt 2013

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Eutrophication solutions

- ❖ Need to **engage private landowners** on their conditions
 - productivity & income
- ❖ Landowners **working together in** watersheds
 - Partnerships with local and authorities
- ❖ Creating **new income** streams & other benefits
 - Biogas, ecotourism and flood protection
- ❖ Provide the right **enabling conditions**
 - Laws, regulations & financial support system

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Project objective

Demonstrate how landowners can take responsibility for reducing nutrient flow to the Baltic Sea

By;

- Working together in watersheds
- Restoring/creating wetlands and river sections
- Circulating nutrients through biogas production
- Developing climate adaptation plans

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Starting Point

BALTIC Compass 2012 (enabling and disabling factors, wetlands)

Baltic Deal 2010-2013 (cooperation, nutrient management)

BALTIC MANURE 2010-2013 (flagship project)

NUTRINFLOW -2019 (drainage)

Wetlands-Algae-Biogas (WAB) 2010-2012: A Southern Baltic Sea Eutrophication Counteract Project, Trelleborg Municipality.

The private landowner Tullstorp Initiative, Southern Sweden, Trelleborg, 2009, still ongoing.

- Workshop, march 2017: collaboration & implementation of wetland restoration (Latvia, Lithuania, Poland)

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Partners

Sweden

- Trelleborg Municipality (Lead partner), Tullstorp Stream, Ståstorp Stream, Skåne County Administrative board, Region Skåne, Swedish Agency for Marine and Water Management

Estonia

- Jänijogi River/Jäneda Municipality, Tartu University, Estonian Chamber of Agriculture and Commerce (tbc), Estonian Fund for Nature

Latvia

- Ogling River/Vircavas Municipality, Farmers Parliament, Ministry of Agriculture, Institute for Environmental Solutions, Pasaulas Dabas Fonds

Lithuania

- Lazdijai River/Kupiskis Municipality, Lithuanian Farmers Union, Barcciai Stream/Lazijai Municipality, Meteliai Regional Park, Baltic Environmental Forum

Poland

- Association of River Parseta Municipalities, others to be confirmed

International

- European Landowners' Organisation (ELO) & WWF
- Rural Development Advisory Services in all countries

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Project outline & work packages

Upscale the capacity for creating a cleaner Baltic Sea for the benefit of people and nature

Promote spatial up-scaling

Adopt a circular economy approach

Improve the enabling conditions

Respond to climate change

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1. Promote spatial up-scaling

- ❖ **Pilot projects in 7 new catchment areas (EE, LV, LT 2, PL, SE 2)**
 - Building on best practice from the Tullstorp Project
- ❖ **Promote the Swedish “Water Council” model**
 - Meeting the requirements of the EU Water Framework Directive
- ❖ **Test a multispectral airborne remote sensing system (ARSENAL) in combination with European Space Agency satellite data**
 - Efficient management of nutrient runoff & design of the restoration efforts
- ❖ **Share best practice for evaluating ecosystem services**
 - Based on the Tullstorp report a.o. studies

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2. Adopt circular economy approach

- ❖ Share the **WAB model** experiences in the other countries
 - Economy & job creation
- ❖ Country feasibility studies for the WAB model
 - Implementation
- ❖ Initiate the **biogas approach** for energy production & nutrient circulation in, at least, 1 site (dairy farmer, LT)

Wetlands
Algae
Biogas



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3. Improve the enabling conditions

- ❖ Review **financial & policy mechanisms** in the target countries for
 - Wetland and river restoration
 - The circular economy approach
- ❖ Organise national **round-tables** on how to improve the enabling conditions
- ❖ Outlook to **EU policies/regulations**
- ❖ **Link up with the EU (CAP/RDP)** through ELO - European Landowners' Organisation, EUFRAS – the European Forum for Agricultural and Rural Advisory Services, WWF, etc.

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4. Respond to climate change

- ❖ **Share best practice** for climate adaptation relating to wetland/river management and restoration
 - Focus on: flooding, droughts, nutrient retention & biodiversity
- ❖ **Training and education** of key stakeholders
- ❖ **Practical adaptation plans** for the 7 pilot projects
- ❖ **Recommendations** for national climate adaptation plans

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Some key outcomes

- ❖ Landowners mobilised to provide better **ecological services** (CAP/RDP) and to **contribute to targets** set by EUSBSR/HELCOM/National governments
- ❖ **7 additional, landowner driven initiatives in 5 countries**
 - Potential of implementation of WAB, climate adaption & airborne remote sensing system clarified
- ❖ **Improved landowner/public authority relations & enabling conditions**
- ❖ **The job/economic potential of the “Trelleborg Model” clarified in all countries**

**HEALTHIER & MORE PROSPEROUS BALTIC SEA REGION
WHERE LANDOWNERS AND DECISION MAKERS TAKE RESPONSIBILITY TOGETHER**

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Communications & outreach

- ❖ **Key aspect of the project**
- ❖ **Reach out** to key national stakeholders, especially large landowners
- ❖ **Lead partner:** communications manager responsible for planning and coordination of communications measures for the whole project
 - Website, documentation, interviews etc.
- ❖ **Each country:** coordinator who translate and adapt material
- ❖ **WWF & ELO:** international outreach
 - Inform key EU institutions on lessons learnt e.g. CAP mid-term review

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Interreg project application

Interreg Baltic Sea Region Programme

Priority: Efficient management of natural resources, 2.1 Clear water

Project Idea Form: approved November 2017

Lead partner: Trelleborg Municipality

Project partners: landowners, municipalities, landowner unions, academic institutions, NGOs, etc.

Project Period: January 2019 – June 2021: 2.5 years

Submission deadline: 9 April 2018

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PA Nutri Actions relevance

PA Nutri Action: Managing nutrients more efficiently

- Decreased nutrient loss through wetlands
- Nutrient recycling in biogas

Meets the general flagship criteria

- High macro-regional dimension (5 countries)
- Meet the objectives, indicators and targets of EUSBS
 - Save the sea, connecting people in the region, climate change adaptation
- Mature for implementation (timeframe, budget, activity plan, lead & project partners)

EU dimension

- ❖ Water Framework Directive
- ❖ Nitrates Directive (nutrient recycling)
- ❖ CAP

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Thank you!



Pictures from The Tullstorp Project