

STØTTET AF

Promilleafgiftsfonden for landbrug

Mid-term report and review – May 31, 2020

Case Areas level (CA)

CA Leaders

| No. | Name | Leader |
|-----|---|----------------------|
| 1. | Kutno County case area, Poland | Katarzyna Izydorczyk |
| 2. | Zuvintas Reserve and agriculture case area, Lithuania | Elvyra Miksyte |
| 2. | Gurjevsk case area, Kaliningrad, Russia | Irina Popova |
| 3. | Jelgava case area, Latvia | Ingars Rozitis |
| 4. | Pölsamaa case area, Estonia | Kaja Peterson |
| 5. | Ljuga River case area, Leningrad, Russia | Mikhail Ponomarev |
| 6. | Southern Finland drainage case area, Finland | Mikko Ortamala |
| 7. | Result-based payments scheme case area, Sweden | Emma Svensson |
| 8. | Västervik case area, Sweden | Gun Lindberg |
| 9. | Odense case area, Denmark | Frank Bondgaard |

Name of CA and location

Catchment area of Västervik Sweden

The catchment area of Västervik is almost the same as the area of the municipality of Västervik. The municipality constitutes a land area of 1871 km², (land and water 3615 km²). the catchment area including layer from the nearby municipalities constitutes a land area of 3000 km² of which the agricultural area constitutes approximately 1000 km². The area includes water from Storån, Loftaån, Dynestadån, Gamlebyån, Botorpsströmmen and Marsströmmen. 500 lakes and 5000 islands. Deep bays with extensive eutrophication problems.

Name of CA leader and rapporteur:

Gun Lindberg, Anders Fröberg

Names of contributors to the mid-term review:

Gun Lindberg Anders Fröberg, Dennis Wiström

Status of report

In working progress: Yes

Finalized/closed and date: No still open

Report:

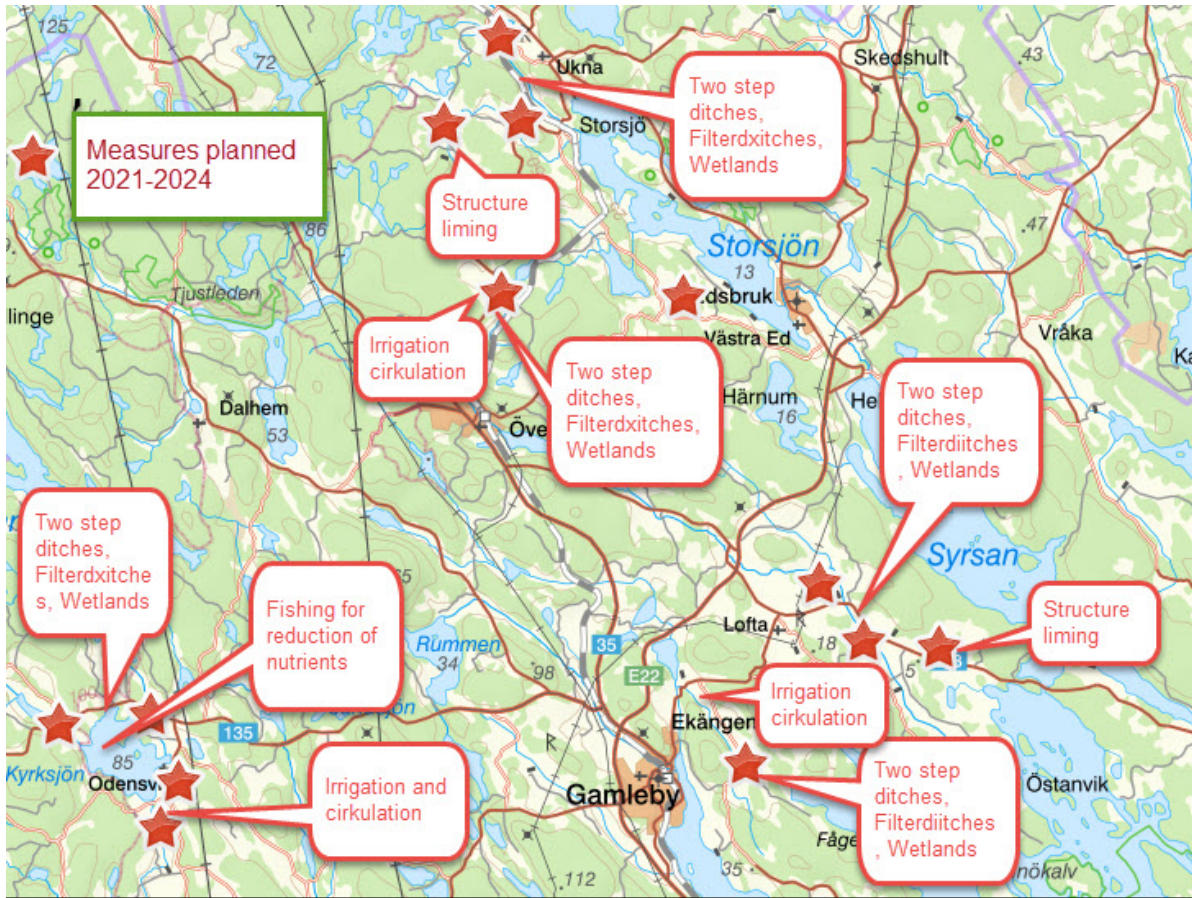
1. What is the CA objective in bullet points? (max 2000)

1. Show that with the right action in the right place is possible to reduce 30-50% of nutrients in nearby streams.
2. Together with the Swedish Board of Agriculture and landowners actively participate in a joint planning work to reduce nutrient leakage from agriculture.
3. Strengthen local action on minimizing nutrient loads in agricultural-intensive areas around the Baltic Sea.
4. Contribute to the design of more cost-effective action programs and instruments in a changing climate.

2. Describe the key elements of your CA and progress of work until end of P3. (max 6000)

The key elements of the Case Area are:

1. Create networks - Establish contact with key stakeholders such as local farmers union, authorities, fishing and nature conservation associations.
2. Comprehensive action plan established.
3. Kick off meetings in sub-areas and focus groups.
4. Create interest in measures and find interested landowners
5. Individual advice - Choice of measures and location in cooperation with farmers, Swot analyses.
6. Help with design of measure, contact with entrepreneurs, and government contacts
7. Applications of (national and regional) grants for measures in cooperation with landowners
8. Documentation before, during and after the measure on field.
9. Adapting to Corona-pandemic through meetings in small groups outside and the use of Skype or Teams meetings.
10. In Lofta area, Dynestad and Gamlebyån a number of measures are completed. Soil mapping, structure liming, small wetlands, twostep ditches and filter ditches.
11. More measures are planned during 2020-2021 in Dynestad and Lofta area, mostly filter ditches with lime or carbon, twostep ditches, small wetlands and irrigation with water from a eutrophicated bay.
12. Measures are planned in Storån and around Storsjön 2021-2024. Kickoff meeting with stakeholders is planned. National grants are applied (LOVA).
Se map 1,2 and 3 next pages



Measures planned 2021-2024

3. Describe the final CA outputs like (focus groups, implementation plans, investment plans and other). (max 6000)

The final CA outputs (until May 2020) are:

1. Focus groups in 3 different areas.
2. Meetings in smaller groups and individual with farmers. 50 times, 25 different landowners and farmers.
3. Landowners interested in different measures.
4. Collaboration with other catchment areas in Sweden in the LEVA project. Seminars and material usable for catchment officers.
5. Input from the Waterdrive network. Important contacts with experts, and other catchment officers at local level.
6. Broadening perspectives by sharing results from other parts of Waterdrive.
7. In Lofta area, Dynestad and Gamlebyån a lot of measures are completed. Soli mapping 600 ha, structure liming 450 ha, small wetlands 4 ha, twostep ditches 2 km, filter ditches 6 ha.
8. More measures are planned and projected during 2020 and 2021 in Dynestad, Gamleby and Lofta area , filter ditches with lime or carbon 40 ha, small wetlands 5 ha and structure liming in new areas 300 ha, two step ditches 4 km. In one area irrigation with bottom water from a badly eutrophicated bay starting June 2020, 250 ha.

4. Please, list the five most important experiences from your work in the CA that you would like to share with the Waterdrive target groups. (max 3000)

Individual advising meetings with farmers combined with GIS is important to find the right places for the right measure. ***Doing the right thing at the right place.***

Strategies for a closer cooperation between municipalities and agricultural associations/landowners in the future are important.

Strategies and methods for implementation of new environmental measures. Advisors at the local level seems to be necessary.

We need to delay water flow in the forest areas. Climate change adaption is very important for a sustainable production of food.

The farmer/landowner need help with contacts to authorities.

5. What makes your CA unique in relation to the other CAs we have in Waterdrive?

We think our CA is unique because:

1. We have worked with advising service, a kind of catchment officer, for many years.
2. A holistic way of working in close cooperation with the farmer and landowner and in collaboration with authorities.

3. We have areas where the farmers have done a lot of measures in the same area. Measurements (monitoring) confirm that it gives results.
4. Theme Water, a cross-sectoral body for water issues within Västervik Municipality and is meeting the different roles of the municipality, elected representatives and officials. Theme Water is not a decision-making body but acts as a referral body.
5. We have a working organisation and method at the municipality for applying for national Grants. Funds for measures is an important part of the way in which measures are implemented in practice.

6. Please, list what you consider the five most important innovations (technological or methodological) that can bring added value to water management in agricultural landscapes of the Baltic Sea Region.

1. Working with eutrophication as a resource for production
2. Method for right measure on the right spot together with the farmer/landowner.
3. Multifunction in focus (Climatization, biodiversity)
4. Irrigation with eutrophicated water from (bottom water) a bay of the Baltic sea.

7. List some unexpected outcomes from the Waterdrive cooperation so far. (max 3000)

1. Despite different conditions, systems and geography we have a lot to learn from each other.
2. More interest about our way of working in Västervik In Sweden and in neighboring countries then we thought.

8. Estimate how the workload in your CA is distributed over time by estimating workload in % by Period?

| | |
|-------------|-------|
| Period 1-3: | 40% |
| Period 4: | 30% |
| Period 5: | 30% |
| Total: | 100 % |

9. List and motivate any changes required in P4 and P5 compared to descriptions in the original application. (max 3000)

| Change desired | Motive |
|----------------------|---|
| Focus Group meetings | Focus group meetings can be changed to smaller meetings on field /MS Team/Skype meetings with farmers because of Corona pandemic. |
| | |

10. List the most important Agri-environmental measures you work with in the case area.

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|---|
| 1. Structure liming |
| 2. Two step ditches and ecological functional zones |
| 3. Wetlands and phosphorous ponds |
| 4. Multifunctional ponds |
| 5. Filter ditches (lime, carbon) |
| 6. Controlled drainage systems |
| |

11. List Waterdrive partners/persons and their roles/responsibilities in completing the CA outputs.

| Persons/Partners | Roles/Responsibilities |
|----------------------------------|--|
| Waterdrive | |
| Partners with catchment officers | Denmark, Finland. |
| Katarina Kyllmar | SLU Uppsala Sweden. Advices monitoring and experiences from measures techniques. |
| LEVA Network | Collaboration with 20 pilot areas in Sweden. Organisation with catchment officers. |
| Local level in Västervik | |
| Joakim Andersson | Head of the farmers Union in Västervik. Support the process in relation to the landowners. Contact even with the heads of local district in Lofta and Gamleby |
| Maria Kappling | Coordinator Local Water user partnership. Tjust WUP and Botorpsströmmens WUP. Collaboration with stakeholders. |
| Ola Helmersson | Fish Expert Hushållningssällskapet Gamleby, advising services. |
| Markus Nord | Naturum Västervik, Forum for communication in water and environment issues. Expert in water related environment. Investigations, monitoring, contact to the schools. |
| Larsgunnar Nilsson | Tjust naturskyddsförening. Local society for nature conservation and bid conservation |
| Lars Kåremyr | Local environment authority. Expert biodiversity |
| Daniel Niklasson | Municipality head department. Head of department. Economy, anchoring |
| Katarina Nilsson | Economist |
| Erik Persson | GIS-engineer. Maps, documentation, GIS-related questions. |

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| Gun Lindberg | Strategist sustainable development. Case area leader, coordination, reports |
| Anders Fröberg | Water coordinator/advisor. Coordination, Contact to landowners, reports. |
| Dennis Wiström | Advisor. Contact to landowners, design of measures, investigations |
| Theme Water | 15 persons - Politicians and officials in the group are being informed about the project |

12. Up-date the CA workplan for P4 and P5 by completing the below table/workplan. You find the Waterdrive master workplan on the SharePoint site.

| | |
|---|--------------------|
| Individual meetings with landowners. Documentation of measures | Spring/summer 2020 |
| Forth focus group meeting | Autumn 2020 |
| Study visit in Denmark, SEGES | Autumn 2020 |
| Kickoff new area | Autumn 2020 |
| Fifth focus group meeting | Winter 2020/21 |
| Experiences from CA to communicated to LEVA network (20 catchmentareas in Sweden) | Winter 2020/21 |

13. Perform a SWOT analysis for the CA process as a management support for P4 and P5. List at least five considerations for each category.

| Category | Considerations |
|---------------|---|
| Strengths | Funding for measures is present. Catchment officers are working in the case areas The local farmers are interested in measures for better environment and production. Environmental measures has a great scientifically proven environmental effect (N&P) |
| Weaknesses | The system with catchment officer in not permanent. There is no regional system for monitoring. The funds from state for measures changes from year to year. Changes takes long time. |
| Threats | No funding for multifunction's as irrigation and climate adaption Insecure funding system. The funding/Grants stopped eg. Corona Pandemic Climate adaption, but it is also a possibility. Collaboration with authorities takes long time. |
| Opportunities | The local farmers are interested in measures for better environment and production. Valuable network through Waterdrive and LEVA is available. Individual meetings with farmers are possible. The very dry summers 2017-2019 makes Climate adaption, interesting for landowners. |

14. List the most important cooperation initiatives with Waterdrive groups of activities and/or case areas. (max 3000) ???

| Group of activities/case areas | Type of cooperation |
|--------------------------------|---|
| 2.1 | Participatory toolbox, Uwe |
| 2.2 | Leadership, Magnus |
| 2.3 | New services, Flemming/Janouz |
| 3.1 | Catalogue of measures, Katarina |
| 3.3 | Spatial planning and tools for spatial planning, Sirkka |
| 4.2 | Policy recommendations top down – bottom-up, Kaja |
| 5.1 | Waterdrive overall recommendations, Staffan |
| 5.3 | Development of larger technical proposals, Kaj |
| | |

15. List the target groups most relevant for your CA results communication. (max 1000)

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| Farmers and landowners in Västervik |
| The farmers union, in Västervik |
| Kalmar Regional County Board |
| Local Entrepreneurs |
| Officials at the municipality of Västervik |

16. List the five most important elements in a participatory toolbox to support strong local action. (max 2000)

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|---|
| 1. Involvement of the landowners |
| 2. GIS-analysies |
| 3. SWOT analysies |
| 4. Individual advising service for landowners |
| 5. Funding/Grants |

17. List the five most important considerations when it comes to leadership and coordination to support strong local action. (max 2000)

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|--|
| 1. Informed leaders in the municipality when it comes to eutrophication and climatization. |
| 2. Cooperation between municipality, officials and farmers union |
| 3. Leaders that clearly can define the goals in relation to the environmental task in cooperation with the landowners. |
| 4. Capacity to apply for funds for measures (from the state). |

18. List the five most important policy recommendations to support strong local action.
(max 3000)

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| 1. Funding of catchment officers (in the BSR under New services) |
| 2. Support to strong cooperation structures/platforms between regional authorities, the farmers unions and advisory service. |
| 3. Implementation of agricultural support schemes for environmental measures and climatization. |
| 4. |

19. Any other comments or issues?

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Add attachments:

- a. Add a PPP with approx. 5-10 slides for presentations of your CA at the Waterdrive website. The PPP should be understandable for the target groups. Use the Waterdrive presentation template.
- b. Add any other material supporting mid-term review and reporting as you wish.