

WATERDRIVE Partners Meeting

On-line

16-17 March, 2021

Summary report

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1. Summary report

Waterdrive project partners on-line meeting was organized March 16 and 17, 2021.

First day, with attendance of 49 participants was devoted to the National Pathways development process for holistic water management improvement in partner countries. Waterdrive project manager Staffan Lund and WP4 leader Kaja Peterson facilitated discussions on Pathway ideas, which were based on each partner country short presentation of Pathway development status. Summary reflections were presented at the end of workshop by Sirkka Tattari.

Second day March 17 was organized to discuss progress with Waterdrive WP tasks, as well as to indicate main activities and directions for coming period. In the second day meeting participated 50 project partner representatives and stakeholders.

Period 5 –Period 6 Plans

June 30, P5	Completion of outputs, deliverables and pathways
May 11-12, P5	Partnermeeting (sharing experience and works)
June 15-16. P5	Stakeholder meeting (Pathways - Farmers federations)
Oct, P6	Final conference in Uppsala canceled
Oct, Nov, Dec, P6	Instead digital final meetings/Strategic Communication Strategy

2. Summary reports from work sessions

Development of national pathways

Waterdrive workplan includes the development of national strategies for improved water management. However, due to the complexity and variable conditions in the different countries we will change this and instead develop more focused “National Pathways”. A National Pathway is a road map for a selected priority issue or bottleneck that needs to be addressed to come further. The time perspective is 2021 -2030. The Pathways will be different in the different countries and start from what is seen as a priority issues by each national team. Each pathway description will be short and about five pages and include an objective, a rationale for the selection, a SWOT analysis and an implementation plan for the period 2021-2030 and a visualisation. The “National Pathways” will come in draft versions by June 2021 and final versions by December 2021. There will be a dialogue with concerned stakeholders in the process. The Pathways will primarily be used to guide further work on national levels. It still remains to be seen how they can support the Waterdrive recommendations on the international level. If you would like to join the dialogue you are most welcome to contact your Waterdrive national team or communication officer Zanda Melnalksne <zanda@zemniekusaeima.lv>.

The work with the Pathways just started. Eight partners (Sweden, Finland, Estonia, Latvia, Lithuania, Poland, Denmark and Russia) talked about the progress in developing the national pathways at the

partners' meeting. The three most frequently mentioned categories were: effective financing mechanisms, new services with the help of catchment officer or water advisor and effective digital decision support for farmers.

Pathways identified by partners are summarized in table.

BSR country	Effective coordination /cooperation between authorities	New services through "catchment officers" / water advisor	Effective digital decision support for farmers	Effective financing mechanisms	Effective advisory system	Effective cooperation between the national regional and local authorities with farmers/ water partnership	Improved the water monitoring system	Water spatial planning	Water protection in Natura 2000 sites
Sweden	X	X	X	X					
Finland		X	X	X					
Denmark		X			X			X	
Estonia			X	X	X	X			
Latvia	X			X		X			
Lithuania		X		X					X
Poland		X		X		X		X	
Russia			X	X	X		X		

Sirkka Tatari from SYKE was kindly willing to reflect the reports of the partners. The general impression was that the proposed pathways are very comprehensive. Sirkka expressed her full agreement with Staffan that in this process we learn, support and inspire each other.

Here are some of her reflections which could be linked to the three most frequently mentioned categories:

- As a result of the implementation of the water protection measure (e.g. buffer zones, constructed wetlands), part of the land will be decommissioned. This has to be compensated to farmers.
- There is no systematic collection of implemented measures. Looking at catchment level maps, agricultural areas are often close to rivers and ditches. How about to plant forest between water course and the field? We still need to consider which measures are suitable for what purposes.
- Farmers know their fields well but they do not know how their farm is integrated on the whole catchment area. There is need to connect RBMP and local spatial planning , and advice farmers to get a `bigger picture´.
- More data visualization and use of remote sensing data are crucial to attract the interest of farmers and collaboration for effective local spatial planning.

WP2

1. Implementation and investments plans are now visible on www.waterdrive.dk under case areas. Poland in draft and Latvia and Lithuania are missing at the moment
2. Participatory Toolbox are still under preparation.

3. Leadership manual are still under preparation.
4. New service catalog are still under preparation.
5. All mentioned documents are available on Sharepoint.

WP3.1

The output from group activity 3.1 is a web-based catalogue describing agri-environmental measures for retention of water, nutrients and sediments in the field-watercourse continuum. Focus is on edge of the field measures but also other measures in the chain are included according to interest and expertise among partners. The website consists of a start-page and a list of the measures described. Each measure is described in individual pages but uniformly. To meet various levels of interest among end-users, each measure is described both shortly (1 page) and more elaborated (4 pages). The texts are also available as pamphlets in pdf-format. To find more information on the measures, links to resources as videos, reports and scientific papers are included. All accessibility requirements are met in the website and the pdf-files.

Responsibilities for the content is distributed among partners into expertise on single measures, economical aspects and end-user relevance. In agreement with 5.2, the short descriptions will be included in the Water management guideline. The website is located in the SLU website but will be accessible through the Participatory Toolbox in WP2. A prototype of the website is running and 12 measures are described. The plan for finalising by the end of P5 is reliable.

The catalogue of measures will consist of the following measures:

On the field

- Subsurface application of manure
- Nutrient application planning
- Structural liming
- Gypsum liming
- Buffer zones along water courses

Drainage systems

- Renovation of drainage systems
- Controlled drainage

Field to stream

- Subsurface flow constructed wetlands
- Constructed wetlands
- Two stage ditches

Catchment

- Reclamation of agricultural land
- Flood plains

WP 3.2. and WP 4

In collaboration between WP3 and WP4 of Waterdrive, we have developed the first version of a web-based decision support tool. It is freely available at <https://waterguide.online/nutrient-loss> (Figure 1) (please note that this is a project test website under development which may contain errors and uncertainties, and it may be changed any time – it is intended for use within the project). So far it is only in Swedish language since the current version covers two areas in Sweden, and it is tested and

assessed by authorities, advisors and farmers. The current scale of use is the field level, or even within-field level.

The programming of the system has been carried by DataVäxt AB (Grästorps, Sweden). Functionality and design of this current application have been focusing on results- and value-based localization of mitigation measures pertinent to work carried out by the Swedish Board of Agriculture within WP4. Measures so far include structural liming, localization of wetlands (example in Figure 2), effects of buffer zones and catch crops. The system contains very detailed background data on soils, topsoil clay content, elevation, hydrography and land use, and the user can also upload own data on phosphorus analyses and soil texture data if available to improve accuracy. This background data is combined with modelling output on nutrient loss and effects of various mitigation measures, in some cases downscaling the modelling data to a more detailed level. Methods for data fusion has been developed and automated.

During 2021 we intend to add data on one case study in Finland and one area in Latvia, and to add English language. Since not all data is available in all case study areas, the functionality will differ to some extent between areas.

WP 3.3.

In Work Package 3, we are looking for solutions to shared water problems in the Baltic Sea region (BSR). In WP3.3 Toolbox, the challenge is stated in the form of “question”. For example, “How to help municipalities build awareness of the society on spatial development? or How to reduce field erosion or How to reduce diffuse loading and by what means”. This is followed by a description of the solution and possibility of adapting the solution. Some solutions are presented from the perspective of two countries. There are currently 10 solutions in total and new ones are being collected. In addition to the written solutions, some of the solutions are visualized in a StoryMap which is under construction. It will inspire the use of spatial data sets in water management problems by giving examples.

Countries within the BSR are at different starting points and therefore it is important to highlight and compare current practices. In some countries (e.g. Finland) many spatial data sets are freely available but in some others they are not. In some countries, nutrient leaching modeling (e.g. Sweden) and impact assessments of measures cover the whole country, in others modeling results covering the whole country are still lacking. Some countries have digitized old, accurately mapped data, such as the location of drainage tubes (in Latvia), in other countries this information is not available in modifiable digital format.

Looking towards in the scope to achieve better spatial data sets, tools and thematic maps, we still have a lot to learn from each other. The best way to promote good water management is to be open to new ideas. The Waterdrive Project has provided a forum for such discussion. In addition, spatial data sets and earth observation data are constantly improving, which provides a good basis for the further development of various maps and tools.

WP 5

Activities in WP5 include work on: (5.1) the development of recommendations for water management in agricultural areas, (5.2) the preparation of educational materials, and (5.3) the analysis of opportunities for large-scale investments in water management.

Staffan Lund (SLU) presented the idea of a "Strategic Communication Strategy", which is one of the products of the project. The report will be a tool for a targeted dialogue with identified actors in order to adapt general recommendations. The Strategic Communication Strategy will be based on the National Pathways reports, the preliminary results of which were presented by each country during the first day of the Waterdrive Partner Meeting.

Referring to activities in the development of National Pathways, Kaj Granholm (BSAG) proposed a discussion on large-scale investments as a topic linking the activities of WP5.3 with the development of National Pathways (WP5.1). In the presentation the main principles and guidelines for the development of the financial pathway "Financing for linking water management, food productivity and rural development objectives" were proposed. Working on a financial pathway could be a way to change the thinking of stakeholders: "This is not only a cost; it is an investment".

The progress of the educational materials was presented by Katarzyna Izydorczyk (ERCE). The work is focused on the analysis of the products arising in the different WPs. During the presentation the main point was made that the outputs from WP2 and WP3 will be an important part of the training materials. It is also necessary to use the products linked to the analyses of the policy and financial mechanisms. In this aspect it is necessary to adapt the form to the target groups. Contact with AG leaders is planned to discuss the details of the presentation that will be used as educational materials.

3. Electronic links to the information

Meeting presentations are uploaded in Sharepoint, under WP1, Regional Conferences. Direct access link: [6 16-17 March 2021 on-line - All Documents \(slu.se\)](#)

Video links to the meeting record on youtube:

Meeting recordings:

16 March 2021 <https://youtu.be/5T-w8YMLkgU>

17 march 2021 <https://youtu.be/tNeFIGmtx38>

Useful links from the chat:

[WaterGUIDE](#)

https://ec.europa.eu/info/strategy/recovery-plan-europe_en

<https://www.ecosystems.uni-kiel.de/en/pdf/guidelines-for-the-reduction-of-nutrient-discharges-from-drained-agricultural-land>

<https://project-effect.eu/>

4. Meeting program/invitation



Dear WATERDRIVE Colleague,

The Waterdrive partners meeting is close!
We will meet on ZOOM platform already tomorrow.
In this e-mail you can find up-dated program for the meeting.

See you on Tuesday!

PCT Team: Staffan, Hallvard, Kaja, Zanda, Frank, Katarzyna, Elvyra, Frank, Ainis, Kaj, Mikhail

WATERDRIVE Partner Meeting Agenda:

16 March, Tuesday, 9.00 – 12.00 (CET)

National Scenarios process and outlines

9:00 – 9:10 Welcome, Staffan Lund, SLU

9:10 – 11.40 Country presentations on National Scenarios process and outlines (~10 min each).

Facilitator Kaja Peterson, SEI

Denmark – Frank Bondgaard, SEGES

Estonia – Kaja Peterson, SEI

Finland – Kaj Granholm, BSAG

Latvia – Zanda Melnalksne, ZSA

Lithuania – Elvyra Mikšytė, BEF

Poland - Maciej Kowalczyk, Pheno Horizon

Sweden – Emma Svensson, EU-programenheten Jordbruksverket

Russia – Mikhail Ponomarev, IAERD of SPC RAS

11.40 – 12.00 Summary and reflections on National Scenario session – Sirkka Tattari, SYKE

17 March, Wednesday, 9.00 – 12.00 (CET)

Project implementation progress, plans for next 3 month

9:00 – 9:10 Opening of the workshop. Bridging National Scenarios process with Waterdrive Work Packages. Staffan Lund, SLU and Kaja Peterson, SEI

9:10 - 9:50 WP 2 implementation process, status and plans for next 3 month.

- a. Progress with implementation- and investment plans in case areas. Frank Bondgaard, SEGES
- b. Participatory toolbox. Maciej Kowalczyk, Pheno Horizon
- c. Leadership manual. Maciej Kowalczyk, Pheno Horizon
- d. New services. Frank Bondgaard, SEGES

9:50 – 10:30 WP 4 implementation process, status and plans for next 3 month.

- a. Lessons learned from WP4.2. pilot cases (1 slide per each pilot)
Sweden – Emma Svensson, EU-programenheten Jordbruksverket
Finland – Helena Äijö, Salaojayhdistys ry
Poland - Janusz Dąbrowski, CDR
Russia - Mikhail Ponomarev, IAERD of SPC RAS

Denmark - Frank Bondgaard, SEGES

Latvia – Zanda Melnalksne, ZSA

Lithuania - Elvyra Mikšytė, BEF

Estonia - Tiia Pedusaar, SEI

- b. Key messages from WP4 policy surveys and pilot cases. Kaja Peterson, SEI

10:30 – 10:40 Coffee break.

10:40 – 11:20 WP 3 implementation process, status and plans for next 3 month.

- a. Catalogue of measures – website. Katarina Kyllmar, SLU
- b. Multiscale decision support systems. Mats Söderström, SLU
- c. Spatial planning solutions and thematic maps. Sirkka Tattari, SYKE and Malgorzata Grodzicka-Kowalczyk, Pheno Horizon

11:20 – 12:00 WP 5 implementation process, status and plans for next 3 month.

- a. Recommendation for water management in agricultural areas. Staffan Lund, SLU
- b. Educational materials. Katarzyna Izydorczyk, ERCE
- c. Large investments. Kaj Granholm, BSAG

12:00 – 12:10 Final remarks, general plan ahead, closing of the meeting, Staffan Lund, SLU, project manager

ZOOM links to join meetings:

Day 1, March 16, 2021 9:00 CET

<https://us02web.zoom.us/j/89682772728?pwd=VVNaTzVmOS9LSjI3c3lvMnNRdE5nQT09>

Meeting ID: 896 8277 2728

Passcode: 257221

Day 2, March 17, 2021 9:00 CET

<https://us02web.zoom.us/j/89925223679?pwd=bUJYZVNNRW9NVThGQWtHazJLTENWQT09>

Meeting ID: 899 2522 3679

Passcode: 345948

5.Screenshots

Working towards impact!

WATER AND LANDSCAPES

PEOPLE AND GOVERNANCE

Very welcome to Partnermeeting
 March 16 (0900-1200 CET): National Pathways
 March 17 (0900-1200 CET): Project implementation progress, plans for next 3 month

Participants (36)

- ZM Zanda Melnalksn... (Co-host, me)
- SL Sandis Liepa, Farmer... (Host)
- KP Kaja Peterson (Co-host)
- SL Staffan Lund (Co-host)
- AL Ainis Lagzdinš, LLU

Chat

From Kaja Peterson to Me: (Direct Message)
 Zanda, please allow participants' screen sharing

National Pathways

- National adaptations – country wise pathways forward, 2-4.
- Important and systemic things to push until 2030.
- That builds capacity, dialogue and impact.
- Find the water drive – add value.
- June 5, draft versions ready
- June 15, Pathway dialogue with farmers organisations

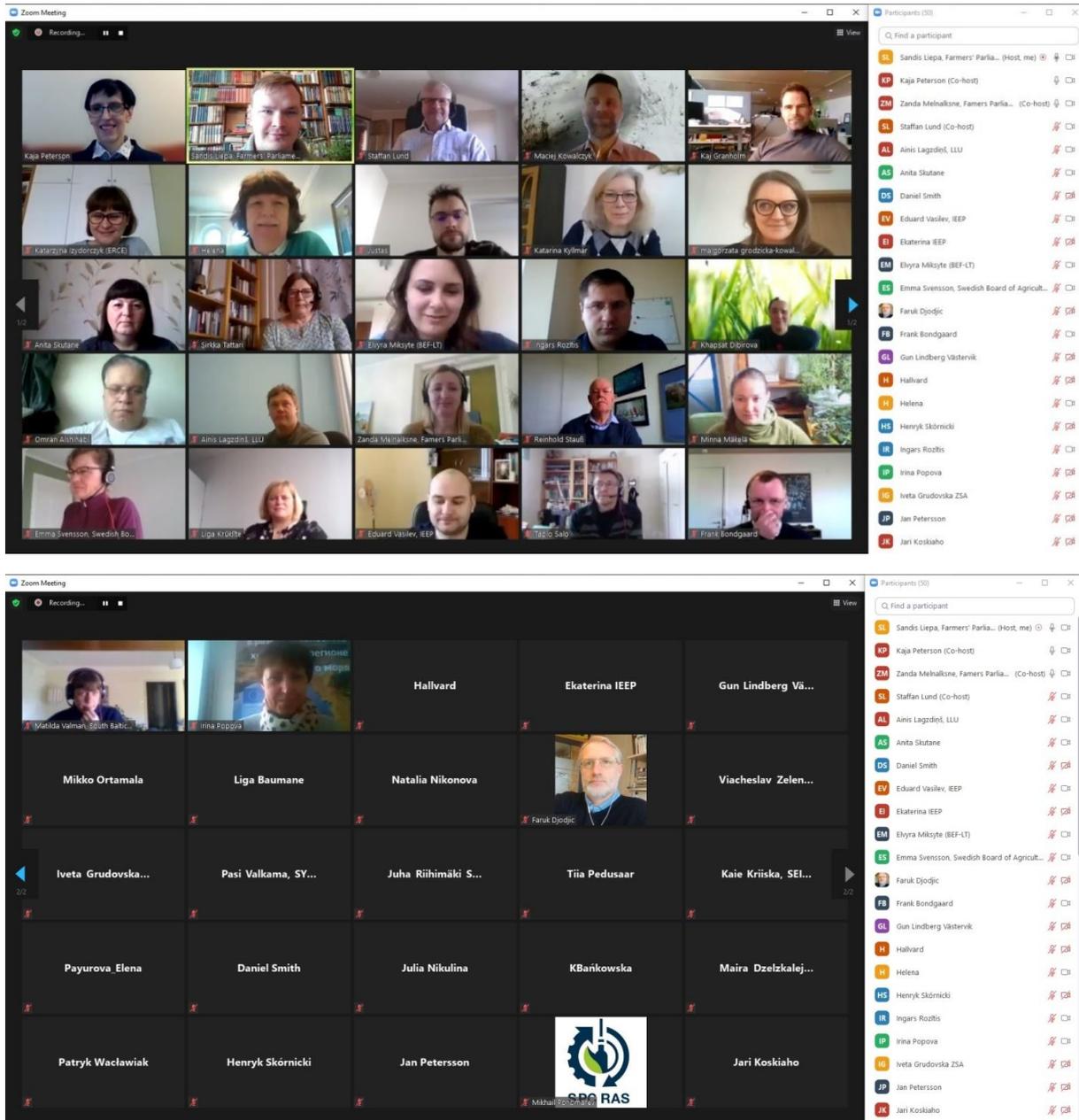
Learn, support, inspire
 "the simple is the difficult"

Pathways
 Outputs
 Workplan, WPs

Participants (42)

- ZM Zanda Melnalksn... (Co-host, me)
- SL Sandis Liepa, Farmer... (Host)
- KP Kaja Peterson (Co-host)
- SL Staffan Lund (Co-host)
- AL Ainis Lagzdinš, LLU
- DS Daniel Smith
- EV Eduard Vasilev, IEEP
- EI Ekaterina IEEP
- EM Elyra Miksyte (BEF-LT)
- ES Emma Svensson, Swedish Boar...
- Faruk Djodjic
- FB Frank Bondgaard
- GL Gun Lindberg Västervik
- H Hallvard

Meeting participants March 16



The image shows two screenshots of a Zoom meeting interface. The top screenshot displays a grid of 20 video thumbnails, each with a participant's name below it. The bottom screenshot shows a similar grid but with many thumbnails replaced by black boxes containing the participant's name. A list of all participants is visible on the right side of both screenshots.

Participants List:

- Sandis Liepa, Farmers' Parlia... (Host, me)
- Kaja Peterson (Co-host)
- Zanda Melhalzne, Farmers Parlia... (Co-host)
- Staffan Lund (Co-host)
- Ainis Lagzdins, LLU
- Anita Skutane
- Daniel Smith
- Eduard Vasilev, IEEP
- Ekaterina IEEP
- Elyra Miksyte (BEF-LT)
- Emma Svensson, Swedish Board of Agricult...
- Faruk Djodjic
- Frank Bondgaard
- Gun Lindberg Västevik
- Hallvard
- Helena
- Henryk Skórnicki
- Ingars Rozitis
- Irina Popova
- Iveta Grudovska ZSA
- Jan Petersson
- Jari Koskiahio

Meeting participants, March 17

