



# WSSP – WaterShed Safety Plan for controlling diffuse pollution

Josefiina Ruponen, HAMK

## WSSP

# WSSP project

- WSSP – WaterShed Safety Plan for controlling diffuse pollution
- Duration: 1.5.2024-31.10.2027
- Budget: 2 642 263 €
- Funder: European Union's Interreg Central Baltic 2021-2027 programme

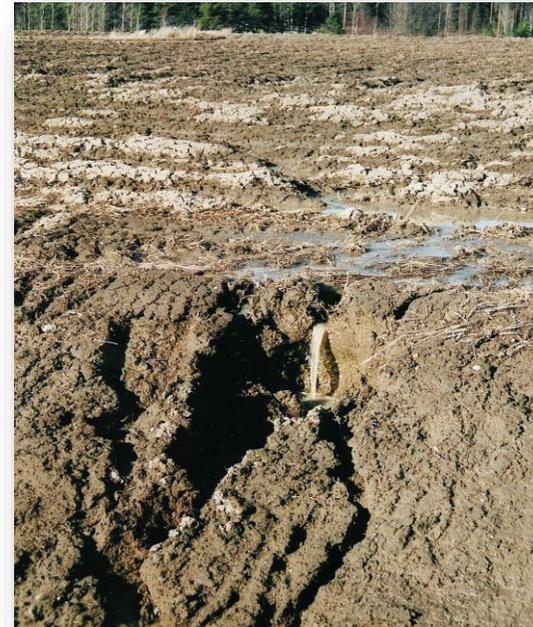


# Watershed Safety Plan (WSSP)

## WSSP

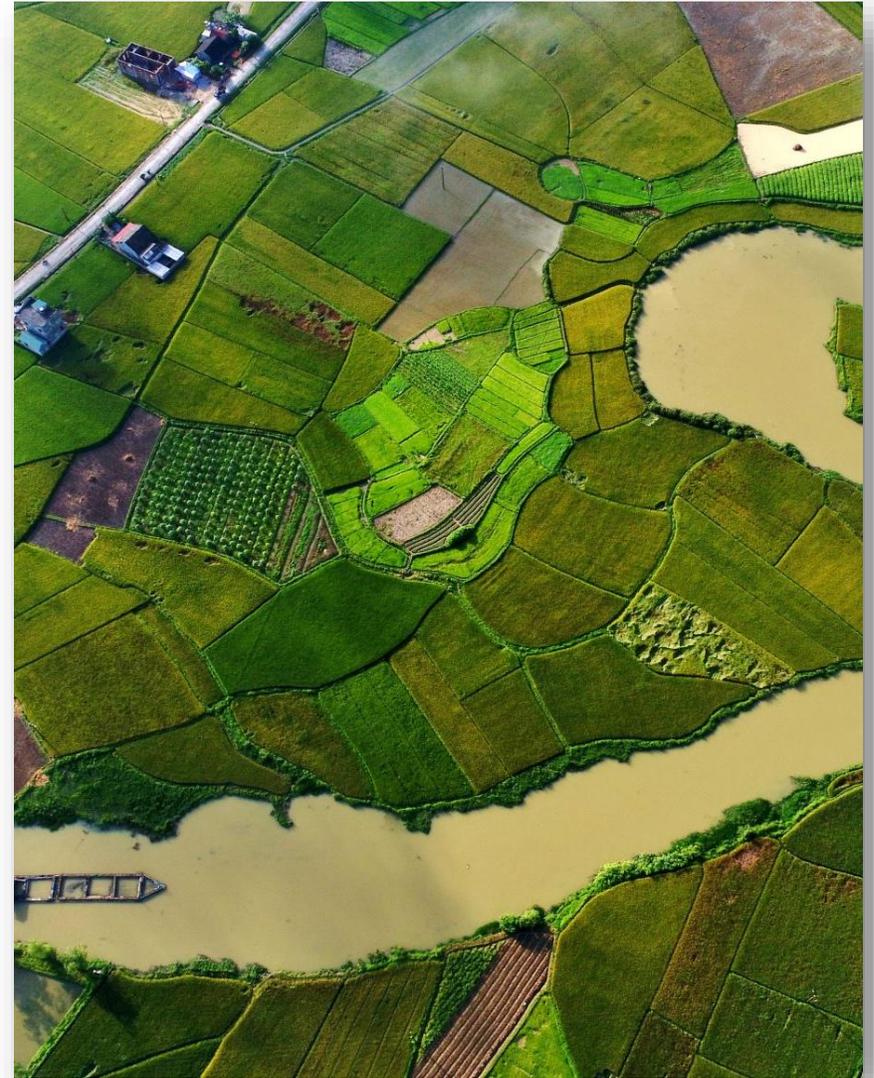
Point source pollution is under control ...

... but we must find new ways to limit diffuse pollution as well as other quality and quantity risks.



# Watershed Safety Plan (WSSP)

- Holistic watershed-based approach that includes social aspects - brings together different actors
- Harmonises catchment area work
- Identification of diffuse load risks in the big picture
- By determining the most significant risk areas, resources can be used wisely
- Municipalities and water utilities main target groups



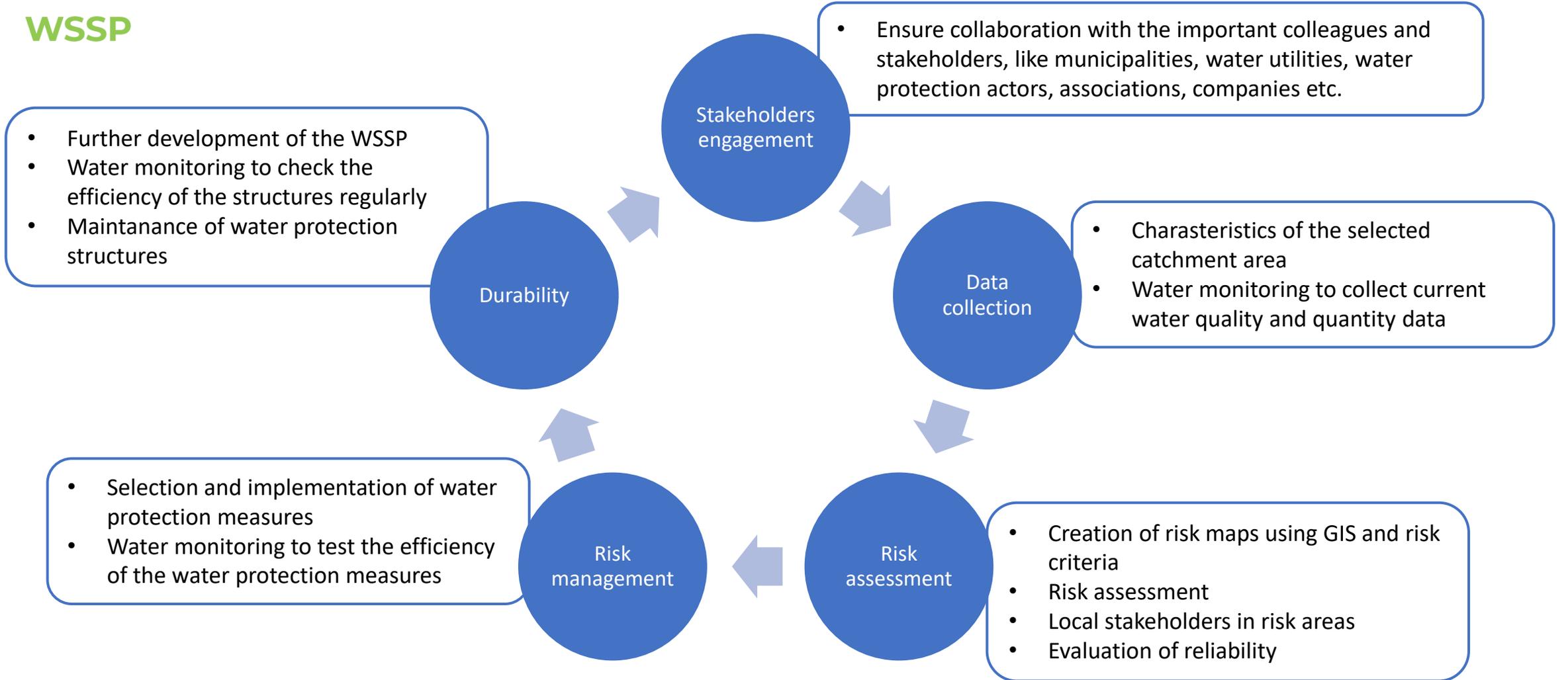
# Watershed Safety Plan (WSSP)



- Not a complicated empirical model – WSSP is an operating model that helps to consider water protection in land use planning and decision-making processes

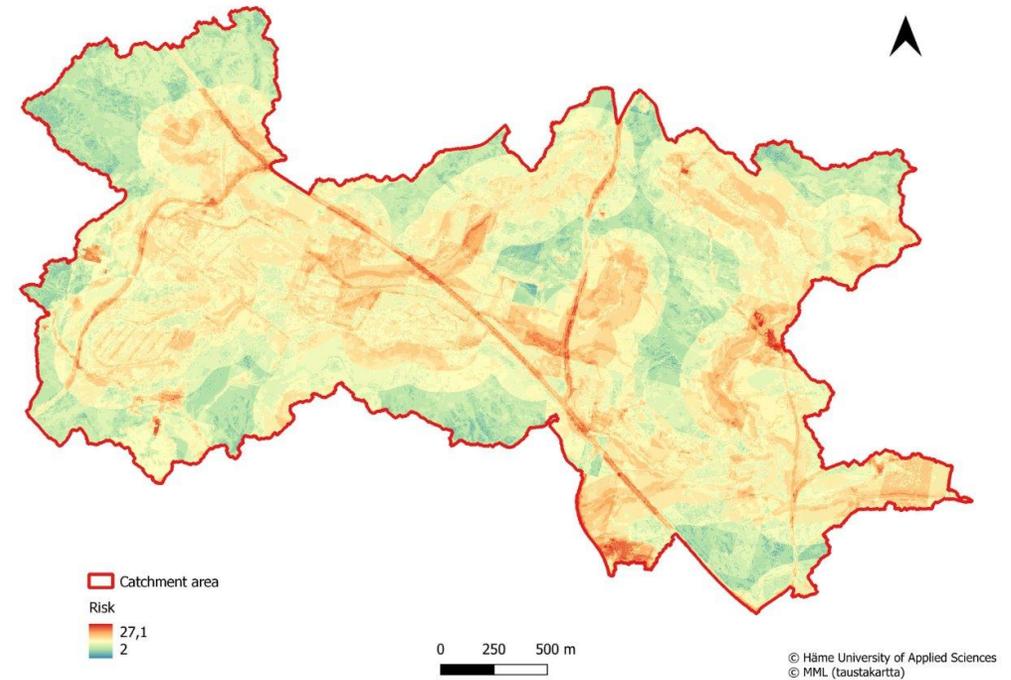
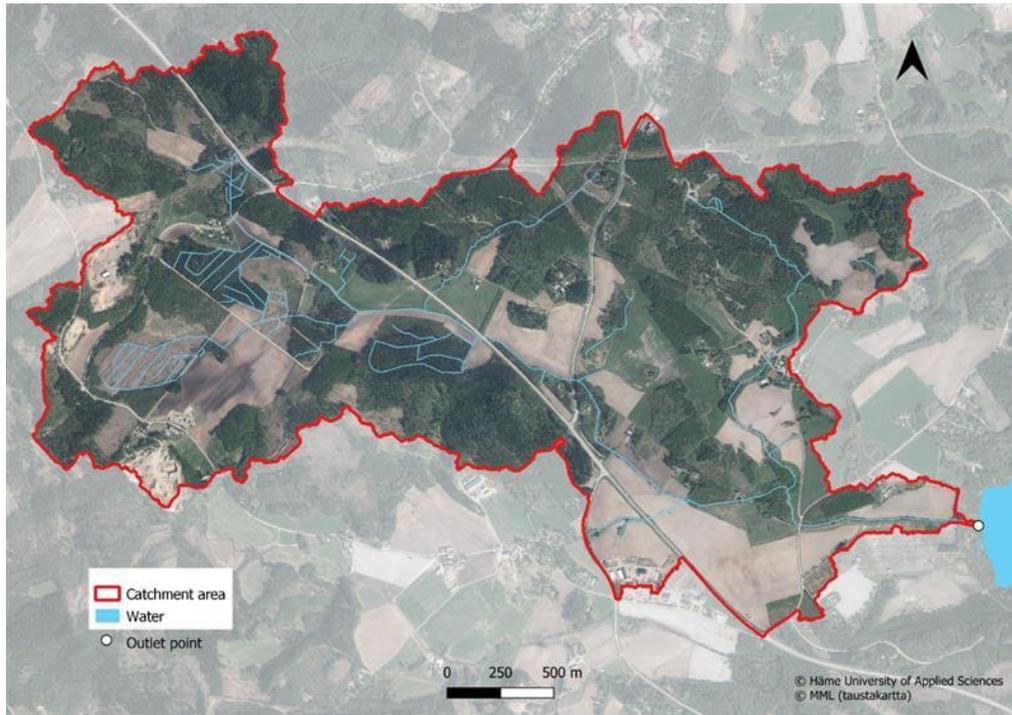
# WSSP operational model

## WSSP



# Example of WSSP risk map

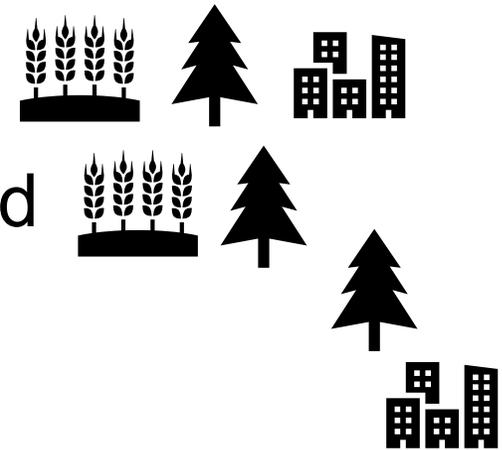
## WSSP



Satellite image and risk map of the Koiransuolenoja pilot area, where WSSP risk assessment has been tested

# Pilot areas

- Tavastfjärden 95 km<sup>2</sup>, Kirkkonummi, Finland
- Koiransuolenoja 7 km<sup>2</sup>, Hämeenlinna, Finland
- Utö 10 ha, Haninge, Sweden
- Motala 79 ha, Norrköping, Sweden
- Konnaoja 8 km<sup>2</sup>, Valga, Estonia
- Liepaja 68 km<sup>2</sup>, Latvia



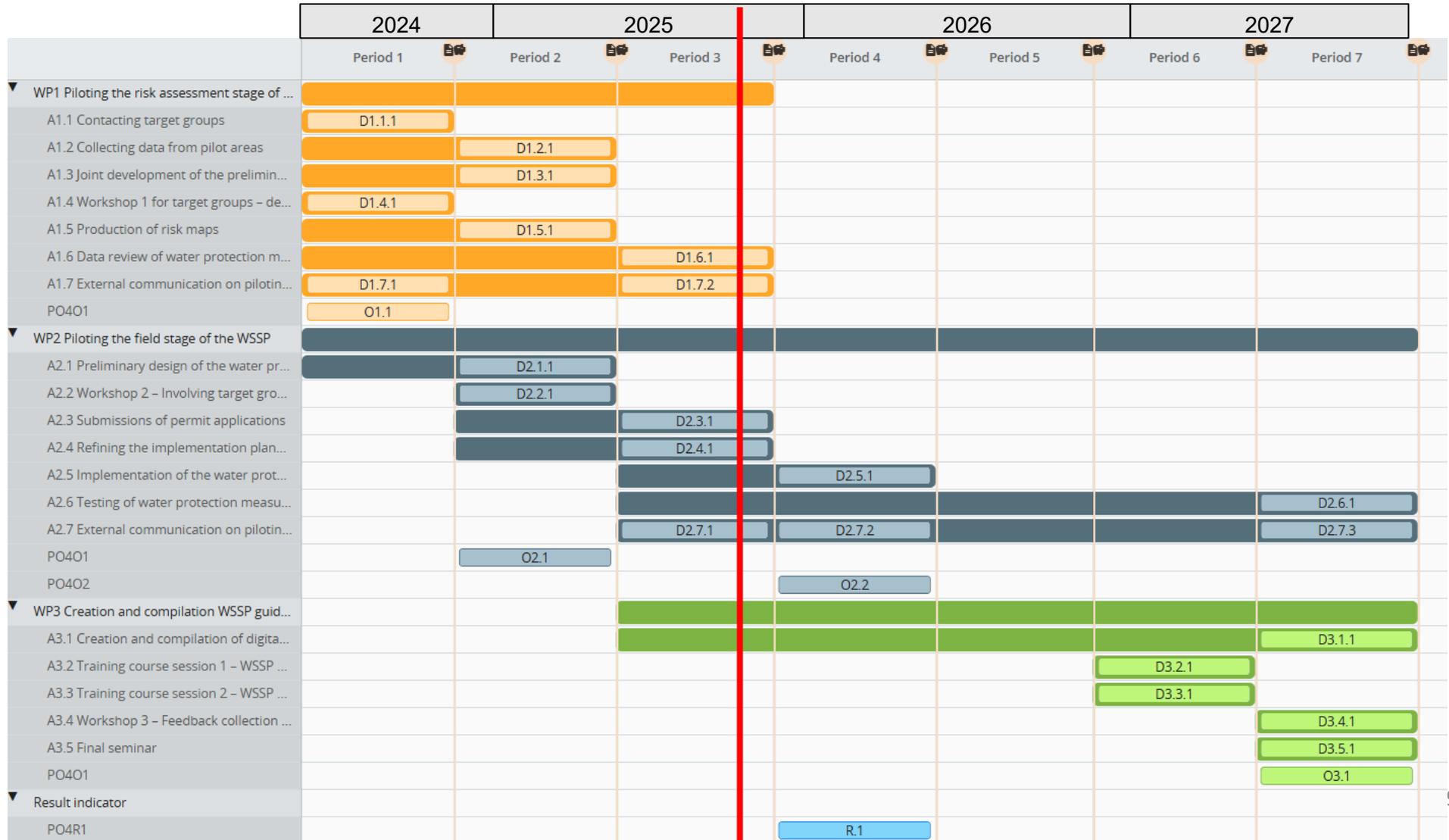


# Project timeline

1.5.2024

We are here

31.10.2027



# Availability of the WSSP operating model

- Existing version designed for urban areas was produced in a previous project: <https://www.hamk.fi/projektit/hulvattu/>
- The updated version will be released in 2027
- Two training sessions on the use of the WSSP operating model will be held in spring 2027
- The WSSP website will include instructions for implementing the WSSP process, interactive simulation models, e.g. water protection solutions and other useful additional material



Thank you!