

# WAMBAF | Water Management in Baltic Forests



*The aim of the WAMBAF and WAMBAF ToolBox projects was to determine the methods and tools of water management in forests, which would influence the quality of water flowing into the Baltic Sea.*

The scope of the projects included issues related to:

- operation and maintenance of drainage equipment,
- the beaver's impact on water quality,
- forest management in the vicinity of surface waters,
- modern tools supporting water management in forests.

Among the main practical results of the projects there are:

- Mobile apps:

- WAMBAF (available on Android and iOS), developed to support the ditch inventorying and ditch management in forests. Application is connected to the GIS system available on: [http://www.wambaf.com/?page\\_id=154&lang=en](http://www.wambaf.com/?page_id=154&lang=en),
- Blue Targeting (available on Android and iOS), a forestry planning tool which helps you design a riparian forest buffer. The aim is to protect water quality and biodiversity by proposing the right measure, at the right place, to the right extent.

- Wet Area Maps – available for Sweden, Poland, Finland and Latvia, based on airborne laser scanning data. Maps illustrate the occurrence of groundwater and may be used in the planning of wood harvesting operations.

- Developing the algorithm for drainage ditches detection basing on airborne laser scanning data. It will be published as open source in 2022.

In the projects several Good Practice Manuals have been developed, regarding: water management in riparian forests, structures for water retention in forests and beaver population management. The manuals are available in several language versions. Main target groups were: forest managers, harvesting machines' operators, land owners, hunters and nature conservation units. The coordinator of the projects was Swedish Forest Agency (Skogsstyrelsen).

## DETALJI

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PODRIJETLO DRVA

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VRSTA DRVA

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ODGOVARAJUĆA VRSTA DRVA

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UTJECAJ NA OKOLIŠ I BIORAZNOLIKOST

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UČINAK NA PRIHOD

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POTENCIJAL ISKORISTIVOSTI

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SREDIŠTE

Centralno-istočno čvorište

GOSPODARSKI UČINAK

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POTREBNA POSEBNA ZNANJA

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POTENCIJAL ZA POVEĆANJE UPORABE DRVA

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POTENCIJAL ODRŽIVOSTI - VRIJEDNOST

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JEDNOSTAVNOST PROVEDBE

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JEDNOSTAVNOST PROVEDBE - EVALUACIJA

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KLJUČNI PREDUVJETI

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VRSTA DOGAĐAJA NA KOJEM JE PRIKAZAN OVAJ BPI

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UČINAK NA ZAPOŠLJIVOST

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TROŠKOVI PROVEDBE (EURO - €)

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## VIŠE DETALJA

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### IZAZOV

1. Poboljšanje otpornosti šuma i prilagodbe klimatskim promjenama

### KLJUČNE RIJEČI

water management; riparian forests; beavers; drainage ditches

### ZEMLJA PODRIJETLA

Finska

### DOMENA

Upravljanje šumama, uzgoj šuma, usluge ekosustava, otpornost

### DIGITALNO RJEŠENJE

Da

### PODRUČJE PRIMJENE

Prekogranična / multilateralna

### VRSTA RJEŠENJA

Savjetodavni i uslužni alati za vlasnike šuma

### INOVACIJA

Da

### POČETAK I KRAJ GODINE

2016 - 2019

## KONTAKT PODATCI

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### IZVJESTITELJ

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## REFERENCES AND RESOURCES

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### GLAVNA WEB STRANICA

<http://www.wambaf.com/>

### WEB STRANICA PROJEKTA

<http://www.wambaf.com/>

### REFERENCA PROJEKTA

Water Management in Baltic Forests, projekt co-financed by European regional

### IZVORI

**Good practices for management of beavers and beaver ponds in the Baltic Sea Region**

**Manual for constructing water protection structures at ditch network maintenance sites and for water retention in forests**



LOGO PRIMJERA DOBRE PRAKSE

LOGO GLAVNE ORGANIZACIJE



WAMBAF Tool Box

PROJEKT U OKVIRU KOJEG JE INFORMATIVNI LIST KREIRAN

Rosewood 4.0

DATUM UNOSA

20 pro 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

