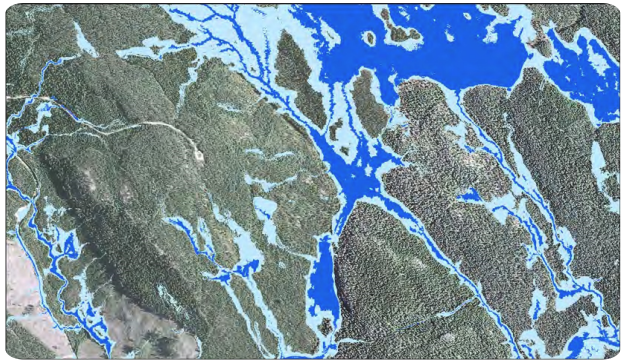
WAMBAF | Water Management in Baltic Forests



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 Balitc 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,
- 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 occurence 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).

DETALJER

VEDENS URSPRUNG

--

TRäTYP

--

TYP AV TRä

--

PåVERKAN På MILJö & BIOLOGISK MåNGFALD

--

EKONOMISK EFFEKT

--

KOMMERSIELL POTENTIAL

--

NAV

Centrala och östra navet

EKONOMISK PåVERKAN

--

SPECIFIKA KUNSKAPSBEHOV

--

MOBILISERINGSPOTENTIAL

--

HåLLBARHETS POTENTIAL - VäRDE

--

ENKEL IMPLEMENTERING

--

ENKEL IMPLEMENTERING - UTVäRDERING

--

NYCKEL FöRUTSäTTNINGAR

--

TYP AV EVENEMANG DäR DENNA BPI HAR PRESENTERATS

--

EFFEKT ANTAL ANSTäLLDA

--

KOSTNADER FöR IMPLEMENTERING (EURO - €)

--

MER INFORMATION

UTMANING SOM ADRESSERAS

1. Förbättra skogens motståndskraft och anpassning till klimatförändringar

NYCKELORD

water management; riparian forests; beavers; drainage ditches

UPPHOVSLAND

Finland

DOMäN

Skogsförvaltning, skogskjötsel, ekosystemtjänster

DIGITAL LöSNING

Ja

POTENTIAL

Gränsöverskridande/transnationell

TYPE AV LöSNING

Rådgivning og serviceverktyg för skogsägare

INNOVASION

Ja

START OCH SLUTåR

2016 - 2019

KONTAKT INFORMASION

ÄGARE ELLER FöRFATTARE

Instytut Badawczy Leśnictwa

Mariusz Ciesielski

m.ciesielski@ibles.waw.pl

https://www.ibles.pl/en/web/guest/home

RAPPORTöR

Łukasiewicz Research Network - Wood Technology Institute (ITD)

Dobrochna Augustyniak-Wysocka

dobrochna.augustyniak@itd.lukasiewicz.gov.pl

REFERENCES AND RESOURCES

HEMSIDA (HUVUDSIDA)

http://www.wambaf.com/

PROJEKTETS HEMSIDA

http://www.wambaf.com/

PROJEKTREFERENS

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

RESURSER

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

Development Fund, Interreg Baltic Sea Region

LOGO FöR BEST PRACTICE

LOGO, HUVUDORGANISATION

PROJEKT SOM DETTA FACTSHEET SKAPATS INOM

Rosewood 4.0

DATUM FöR INLäGG

20 dec 2021

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY