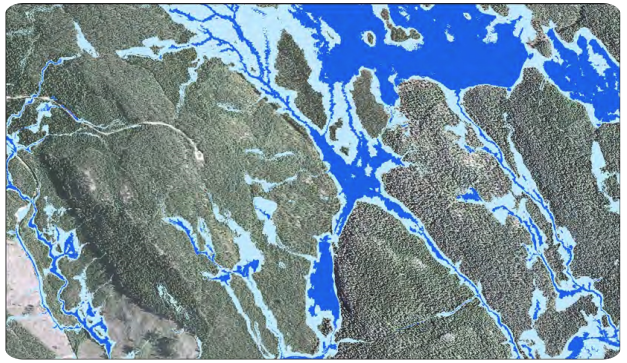
# WAMBAF | Water Management in Baltic Forests



*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).

## DETALLES

ORIGEN DE LA MADERA

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TIPO DE MADERA

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TIPO DE MADERA AFECTADA

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IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

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EFECTO SOBRE LOS INGRESOS

--

POTENCIAL DE EXPLOTACIóN

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HUB

Eje Centro-Este

IMPACTO ECONóMICO

--

CONOCIMIENTOS ESPECíFICOS NECESARIOS

--

POTENCIAL DE MOVILIZACIóN

--

POTENCIAL DE SOSTENIBILIDAD - VALOR

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FACILIDAD DE APLICACIóN

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FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

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PREREQUISITOS CLAVE

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TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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EFECTO SOBRE EL EMPLEO

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COSTES DE IMPLEMENTACIóN (EURO - €)

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## MáS DETALLES

RETO ABORDADO

1. Mejorar la resistencia y la adaptación de los bosques al cambio climático

DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

TIPO DE SOLUCIóN

Herramientas de asesoramiento y servicios para propietarios forestales

PALABRAS CLAVE

water management; riparian forests; beavers; drainage ditches

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

Finlandia

ESCALA DE APLICACIóN

Transfronterizo/multilateral

AñO DE INICIO Y FIN

2016 - 2019

## DATOS DE CONTACTO

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## REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

http://www.wambaf.com/

SITIO WEB DEL PROYECTO

http://www.wambaf.com/

REFERENCIA DEL PROYECTO

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

RECURSOS

**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 DE LA BUENA PRáCTICA

## LOGOTIPO DE LA ORGANIZACIóN PRINCIPAL

### PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

### FECHA DE MENSAJE

20 Dic 2021

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### A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY