

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,
- 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).

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

--

EFFECTO SOBRE LOS INGRESOS

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POTENCIAL DE EXPLOTACIÓN

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HUB

Eje Centro-Este

IMPACTO ECONÓMICO

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CONOCIMIENTOS ESPECÍFICOS NECESARIOS

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POTENCIAL DE MOVILIZACIÓN

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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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EFFECTO 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

PALABRAS CLAVE

water management; riparian forests; beavers; drainage ditches

PAÍS DE ORIGEN

Finlandia

DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

SOLUCIÓN DIGITAL

Sí

ESCALA DE APLICACIÓN

Transfronterizo/multilateral

TIPO DE SOLUCIÓN

propietarios forestales

INNOVACIÓN

Si

AÑO DE INICIO Y FIN

2016 - 2019

DATOS DE CONTACTO

PROPIETARIO O AUTOR

Instytut Badawczy Leśnictwa

Mariusz Ciesielski

m.ciesielski@ibles.waw.pl

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

REPORTADOR

Łukasiewicz Research Network - Wood Technology Institute (ITD)

Dobrochna Augustyniak-Wysocka

dobrochna.augustyniak@itd.lukasiewicz.gov.pl

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

LOGO DE LA BUENA PRÁCTICA

LOGOTIPO DE LA ORGANIZACIÓN PRINCIPAL



WAMBAF Tool Box

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

