

# 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).

## DETAILS

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HERKUNFT DES HOLZES

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ART DES HOLZES

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MOBILISIERUNGSPOTENZIAL

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POTENZIAL FÜR NACHHALTIGKEIT - WERT

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ART DES BETROFFENEN HOLZES

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LEICHTE IMPLEMENTIERUNG

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AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT

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LEICHTE IMPLEMENTIERUNG - BEWERTUNG

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EINKOMMENSEFFEKT

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WICHTIGE VORAUSSETZUNGEN

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VERWERTUNGSPOTENZIAL

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ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

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NABE

Drehscheibe Mitte-Ost

ARBEITSPLATZEFFEKT

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WIRTSCHAFTLICHE AUSWIRKUNGEN

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KOSTEN DER IMPLEMENTIERUNG (EURO - €)

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SPEZIFISCHES WISSEN ERFORDERLICH

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## MEHR DETAILS

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ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
1. Verbesserung der Widerstandsfähigkeit der Wälder und ihrer Anpassung an den Klimawandel	Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz	Beratungs- und Servicetools für Waldbesitzer
SCHLÜSSELWÖRTER	DIGITALE LÖSUNG	INNOVATION
water management; riparian forests; beavers; drainage ditches	Ja	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Finnland	Grenzüberschreitend/multilateral	2016 - 2019

## KONTAKTDATEN

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### EIGENTÜMER ODER AUTOR

Instytut Badawczy Leśnictwa

Mariusz Ciesielski

m.ciesielski@ibles.waw.pl

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

### REPORTER

Łukasiewicz Research Network - Wood Technology Institute (ITD)

Dobrochna Augustyniak-Wysocka

[dobrochna.augustyniak@itd.lukasiewicz.gov.pl](mailto:dobrochna.augustyniak@itd.lukasiewicz.gov.pl)

## REFERENCES AND RESOURCES

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### HAUPT-WEBSITE

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

### RESSOURCEN

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

### PROJEKT-WEBSITE

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

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

### PROJEKT-REFERENZ

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



LOGO DER BEST PRACTICE

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LOGO DER HAUPTORGANISATION

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood 4.0

BEITRAGSDATUM

20 Dez. 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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