

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).

DÉTAILS

ORIGINE DU BOIS

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TYPE DE BOIS

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TYPE DE BOIS CONCERNÉ

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IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITÉ

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EFFET SUR LE REVENU

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POTENTIEL D'EXPLOITATION

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HUB

Centre-Est

IMPACT ÉCONOMIQUE

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CONNAISSANCES SPÉCIFIQUES REQUISES

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POTENTIEL DE MOBILISATION

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POTENTIEL DE DURABILITÉ - VALEUR

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FACILITÉ D'IMPLÉMENTATION

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FACILITÉ D'IMPLÉMENTATION - ÉVALUATION

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PRÉREQUIS CLÉS

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TYPE D'ÉVÉNEMENT OÙ CETTE ICPE A ÉTÉ PRÉSENTÉE

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EFFET SUR L'EMPLOI

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COÛTS D'IMPLÉMENTATION (EURO - €)

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**PLUS DE
DÉTAILS**

DéFI CONCERNé

1. Améliorer la résilience de la forêt et son adaptation au changement climatique

MOTS-CLéS

water management; riparian forests; beavers; drainage ditches

PAYS D'ORIGINE

Finlande

DOMAINE

Gestion forestière, sylviculture, services écosystémiques, résilience

TYPE DE SOLUTION

Conseil, outils de service pour les propriétaires forestiers

SOLUTION DIGITALE

Oui

INNOVATION

Oui

ECHELLE D'APPLICATION

Transfrontalière/Multilatérale

DéBUT ET FIN D'ANNéE

2016 - 2019

**INFORMATIONS
DE CONTACT**

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**REFERENCES
AND RESOURCES**

SITE WEB PRINCIPAL

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

RESSOURCES

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

SITE WEB DU PROJET

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

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

RéFéRENCE DU PROJET

Water Management in Baltic Forests, projekt co-financé par l'Union européenne

LOGO DE LA BONNE
PRATIQUE



LOGO DE L'ORGANISATION
PRINCIPALE

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRéÉE

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

