

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

--

TYPE DE BOIS

--

TYPE DE BOIS CONCERNÉ

--

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITÉ

--

EFFET SUR LE REVENU

--

POTENTIEL D'EXPLOITATION

--

HUB

Centre-Est

IMPACT ÉCONOMIQUE

--

CONNAISSANCES SPÉCIFIQUES REQUISES

--

POTENTIEL DE MOBILISATION

--

POTENTIEL DE DURABILITÉ - VALEUR

--

FACILITÉ D'IMPLEMENTATION

--

FACILITÉ D'IMPLEMENTATION - ÉVALUATION

--

PRÉREQUIS CLÉS

--

TYPE D'ÉVÉNEMENT OÙ CETTE ICPE A ÉTÉ PRÉSENTÉE

--

EFFET SUR L'EMPLOI

--

COÛTS D'IMPLEMENTATION (EURO - €)

--

PLUS DE DÉTAILS

DÉFI CONCERNÉ	DOMAINE	TYPE DE SOLUTION
1. Améliorer la résilience de la forêt et son adaptation au changement climatique	Gestion forestière, sylviculture, services écosystémiques, résilience	Conseil, outils de service pour les propriétaires forestiers
MOTS-CLÉS	SOLUTION DIGITALE	INNOVATION
water management; riparian forests; beavers; drainage ditches	Oui	Oui
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DÉBUT ET FIN D'ANNÉE
Finlande	Transfrontalière/Multilatérale	2016 - 2019

INFORMATIONS DE CONTACT

PROPRIÉTAIRE OU AUTEUR

Instytut Badawczy Leśnictwa

Mariusz Ciesielski

m.ciesielski@ibles.waw.pl

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

RAPPORTEUR

Łukasiewicz Research Network - Wood Technology Institute (ITD)

Dobrochna Augustyniak-Wysocka

dobrochna.augustyniak@itd.lukasiewicz.gov.pl

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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

SITE WEB DU PROJET

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

RÉFÉRENCE DU PROJET

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

RESSOURCES

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 BONNE PRATIQUE

LOGO DE L'ORGANISATION PRINCIPALE



WAMBAF Tool Box

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRééE

Rosewood 4.0

DATE DE PUBLICATION

20 déc 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

