

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).

DETTAGLI

ORIGINE DEL LEGNO	POTENZIALE DI MOBILITAZIONE
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TIPO DI LEGNO	POTENZIALE SOSTENIBILITÀ - VALORE
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TIPO DI LEGNO IN QUESTIONE	FACILITÀ DI IMPLEMENTAZIONE
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IMPATTO SULL'AMBIENTE E LA BIODIVERSITÀ	FACILITÀ DI IMPLEMENTAZIONE - VALUTAZIONE
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EFFETTO SUL REDDITO	PREREQUISITI CHIAVE
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POTENZIALE DI SFRUTTAMENTO	TIPO DI EVENTO IN CUI QUESTO BPI È STATO PRESENTATO
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HUB	EFFETTO SUL LAVORO
Polo Centro-Est	--
IMPATTO ECONOMICO	I COSTI DI ATTUAZIONE (EURO - €)
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CONOSCENZE SPECIFICHE NECESSARIE	
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PIÙ DETTAGLI

SFIDA RISOLTA	DOMINIO	TIPO DI SOLUZIONE
1. Migliorare la resilienza delle foreste e l'adattamento ai cambiamenti climatici	La gestione forestale, selvicoltura, i servizi ecosistemici, resilienza	strumenti di consulenza e servizi per i proprietari di foreste
PAROLE CHIAVE	SOLUZIONE DIGITALE	INNOVAZIONE
water management; riparian forests; beavers; drainage ditches	Sì	Sì
PAESE D'ORIGINE	SCALA DI APPLICAZIONE	INIZIO E FINE ANNO
Finlandia	Transfrontaliera / multilaterale	2016 - 2019

CONTATTI

PROPRIETARIO O AUTORE

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REFERENCES AND RESOURCES

SITO PRINCIPALE

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

RISORSE

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

SITO WEB DEL PROGETTO

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

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

PROGETTO DI RIFERIMENTO

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

LOGO DELLE MIGLIORI
PRATICHE



WAMBAF Tool Box

LOGO DELLA PRINCIPALE
ORGANIZZAZIONE

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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