

## Targeted silviculture in Drinking Water Protection Zones (DWPZ)



**ROSEWOOD**  
**4.0** Sustainable Wood  
for Europe

In drinking water protection zones (DWPZ) it may be necessary to transform forest stands which are not site-conform into more stable stands. During this process it can occur that the tree species which are not site-conform become a source of wood through the specific silvicultural transformation strategies. The amount of achievable wood is medium, as the timber-cutting activities have to be in line with the requirements for DWPZ. In Austria the main tree species in such situations will be Norway spruce (*Picea abies*). In DWPZ the amount of timber (wood) achievable through forest stand transformation strategies can be given but is limited as the guidelines for silviculture in DWPZ have to be applied. Hence no clear-cut activities are allowed there. Despite this fact it will be necessary to transform homogeneous spruce plantations into more stable forest stands. This process will release a limited amount of timber (wood). Cutting of Norway spruce in DWPZ which grows on sites which are not adequate for it in terms of forest ecosystem stability could yield medium amounts of wood. This process of cutting Norway spruce on sites of e.g. beech forest hydrotopes will last until the forest transformation is fulfilled. In all cases the guarantee of forest ecosystem stability is more important than the amount of timber yield. Hence the quantities of timber released in DWPZ will be limited in all cases.

## DETAILS

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HERKUNFT DES HOLZES	MOBILISIERUNGSPOTENZIAL
Wald	Less
ART DES HOLZES	POTENZIAL FÜR NACHHALTIGKEIT - WERT
Stammholz	--
ART DES BETROFFENEN HOLZES	LEICHTE IMPLEMENTIERUNG
Stemwood	Difficult
AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITÄT	LEICHTE IMPLEMENTIERUNG - BEWERTUNG
Positive	--
EINKOMMENSEFFEKT	WICHTIGE VORAUSSETZUNGEN
Less	Hydrotop model
VERWERTUNGSPOTENZIAL	ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
--	--
NABE	ARBEITSPLATZEFFEKT
--	Positive
WIRTSCHAFTLICHE AUSWIRKUNGEN	KOSTEN DER IMPLEMENTIERUNG (EURO - €)
Less	--
SPEZIFISCHES WISSEN ERFORDERLICH	
High	

## MEHR DETAILS

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ANGESPROCHENE HERAUSFORDERUNG	DOMÄNE	ART DER LÖSUNG
--	Waldmanagement, Waldbau, Ökosystemleistungen, -- Resilienz Waldstörungen, Risiken, Katastrophenschutz	--
SCHLÜSSELWÖRTER	DIGITALE LÖSUNG	INNOVATION
--	Nein	Ja
HERKUNFTSLAND	UMFANG DER ANWENDUNG	ANFANGS- UND ENDJAHR
Österreich	National	2018 -

## KONTAKTDATEN

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## REFERENCES AND RESOURCES

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HAUPT-WEBSITE	RESSOURCEN
<a href="https://boku.ac.at/wabo">https://boku.ac.at/wabo</a>	--
PROJEKT-WEBSITE	--
PROJEKT-REFERENZ	--

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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