

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



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.

## DETALHES

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### ORIGEM DA MADEIRA

Floresta

### TIPO DE MADEIRA

Tronco

### TIPO DE MADEIRA EM CAUSA

Stemwood

### IMPACTE NO AMBIENTE E BIODIVERSIDADE

Positive

### IMPACTE NAS RECEITAS

Less

### POTENCIAL DE EXPLORAÇÃO

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### HUB

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### IMPACTE ECONOMICO

Less

### CONHECIMENTOS ESPECIFICOS NECESSÁRIOS

High

### POTENCIAL DE MOBILIZAÇÃO

Less

### SUSTENTABILIDADE POTENCIAL - VALOR

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### FACILIDADE DE IMPLEMENTAÇÃO

Difficult

### FACILIDADE DE IMPLEMENTAÇÃO

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### PRE-REQUISITOS CHAVE

Hydrotop model

### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

Positive

### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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## MAIS DETALHES

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### DESAFIO ABORDADO

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### DOMÍNIO

Gestão florestal, silvicultura, serviços do  
ecossistema, resiliencia  
Perturbações florestais, riscos e resposta a  
catástrofes

### TIPO DE SOLUÇÃO

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### PALAVRAS-CHAVE

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### SOLUÇÃO DIGITAL

Não

### INOVAÇÃO

Sim

### PAÍS DE ORIGEM

Áustria

### ESCALA DE APLICAÇÃO

Nacional

### ANO DE INÍCIO E FIM

2018 -

### DADOS DE CONTACTO

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### PROPRIETÁRIO OU AUTOR

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### REPÓRTER

### REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

<https://boku.ac.at/wabo>

### WEBSITE DO PROJETO

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### REFERÊNCIA AO PROJETO

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### RECURSOS

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood

DATA DE ENTRADA

27 Set 2019

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Link to Rosewood 4.0



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



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