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.

DETAILS

HERKUNFT DES HOLZES

Wald

ART DES HOLZES

Stammholz

ART DES BETROFFENEN HOLZES

Stemwood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT

Positive

EINKOMMENSEFFEKT

Less

VERWERTUNGSPOTENZIAL

--

NABE

--

WIRTSCHAFTLICHE AUSWIRKUNGEN

Less

SPEZIFISCHES WISSEN ERFORDERLICH

High

MOBILISIERUNGSPOTENZIAL

Less

POTENZIAL FüR NACHHALTIGKEIT - WERT

--

LEICHTE IMPLEMENTIERUNG

Difficult

LEICHTE IMPLEMENTIERUNG - BEWERTUNG

--

WICHTIGE VORAUSSETZUNGEN

Hydrotop model

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE

--

ARBEITSPLATZEFFEKT

Positive

KOSTEN DER IMPLEMENTIERUNG (EURO - €)

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MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

--

DOMäNE

Waldmanagement, Waldbau, Ökosystemleistungen, Resilienz

Waldstörungen, Risiken, Katastrophenschutz

ART DER LöSUNG

--

SCHLüSSELWöRTER

--

DIGITALE LöSUNG

Nein

INNOVATION

Ja

HERKUNFTSLAND

Österreich

UMFANG DER ANWENDUNG

National

ANFANGS- UND ENDJAHR

2018 -

KONTAKTDATEN

EIGENTüMER ODER AUTOR

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REPORTER

REFERENCES AND RESOURCES

HAUPT-WEBSITE

https://boku.ac.at/wabo

PROJEKT-WEBSITE

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PROJEKT-REFERENZ

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RESSOURCEN

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PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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