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.

DETALLES

ORIGEN DE LA MADERA

Bosque

TIPO DE MADERA

Madera en rollo

TIPO DE MADERA AFECTADA

Stemwood

IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

Positive

EFECTO SOBRE LOS INGRESOS

Less

POTENCIAL DE EXPLOTACIóN

--

HUB

--

IMPACTO ECONóMICO

Less

CONOCIMIENTOS ESPECíFICOS NECESARIOS

High

POTENCIAL DE MOVILIZACIóN

Less

POTENCIAL DE SOSTENIBILIDAD - VALOR

--

FACILIDAD DE APLICACIóN

Difficult

FACILIDAD DE IMPLEMENTACIóN - EVALUACIóN

--

PREREQUISITOS CLAVE

Hydrotop model

TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

--

EFECTO SOBRE EL EMPLEO

Positive

COSTES DE IMPLEMENTACIóN (EURO - €)

--

MáS DETALLES

RETO ABORDADO

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DOMINIO

Gestión forestal, silvicultura, servicios ecosistémicos, resiliencia

Perturbaciones forestales, riesgos, respuesta a desastres

TIPO DE SOLUCIóN

--

PALABRAS CLAVE

--

SOLUCIóN DIGITAL

No

INNOVACIóN

Si

PAíS DE ORIGEN

Austria

ESCALA DE APLICACIóN

Nacional

AñO DE INICIO Y FIN

2018 -

DATOS DE CONTACTO

PROPIETARIO O AUTOR

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REPORTADOR

REFERENCES AND RESOURCES

SITIO WEB PRINCIPAL

https://boku.ac.at/wabo

SITIO WEB DEL PROYECTO

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REFERENCIA DEL PROYECTO

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RECURSOS

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood

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