Single tree silviculture (STS)



Silvicultural approach that early selects a limited number of target trees to which ensure a free and harmonious development of crown and trunk. The thinnings are selective or from above and they are oriented to remove the direct competitors of the target trees, preserving the remaining stand. The target trees are chosen as a function of vigor, stability, tree morphology, spatial distribution. The number of released target trees (from 50 to 120 per hectare) depends on the site characteristics, the species, the biotic and abiotic risks, the type of owner, the silvicultural goal. · This approach can be applied in high forests and in coppices, in conifers (as Pinus nigra and Pseudotsuga Douglasii) and broad-leaved species, to social (Fagus sylvatica and Quercus sp.) and valuable (Castanea sativa) or sporadic tree (Prunus avium, Sorbus sp., Fraxinus sp., …) species, in public or private property. To apply this method is necessary: Specific training and care of technicians and workers from tree marker to logging Specific training of people involved in the control of the forest utilization. · From an economic and productive point of view: decreasing the management costs reduction of rotation time increasing of quantity and quality of assortments production of high-quality timber relatively quickly enhancement of phenotypes and / or species potentially able to produce quality timber - From an ecological and environmental point of view: increase of individual and stand stability increase of biodiversity increase of structural complexity maintenance of an irregular canopy cover protection of sporadic species - From a social point of view: integration with the traditional forestry increase of non-wood products increase of landscape value

DETALJER

OPPRINNELSE FOR TRE
Skog

TYPE TRE
Tre fra rundtvirke

TYPE TRE INVOLVERT
Stemwood

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD
Positive effects

INNTEKTSEFFEKT
Possibility to obtain income more frequent during the rotation period

UTNYTTELSESPOTENSIAL
--

HUB
--

ØKONOMISK PåVIRKNING
Enhancement of valuable assortments; decrease of management cost but increase of expertise of forest companies

MOBILISERINGSPOTENSIAL
Similar to traditional silviculture but with a higher amount of big and more valuable assortments

BæREKRAFTPOTENSIAL - VERDI
--

ENKEL IMPLEMENTERING
Medium implementation due to the great attention during the cutting and logging phases

ENKEL IMPLEMENTERING - EVALUERING
--

VIKTIGE FORUTSETNINGER
Awareness of all stakeholders in the supply chain

TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT
--

EFFEKT På ARBEIDSPLASSER
Connection to other wood and no-wood chain

KOSTNADER MED IMPLEMENTERING (EURO - €)
--

SPESIFIKKE KUNNSKAPSBEHOV

Forest training

MER INFORMASJON

UTFORDRING ADRESSERT

--

DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester

TYPE LøSNING

--

NøKKELORD

--

DIGITAL LøSNING

Nei

INNOVASJON

Nei

OPPRINELSESLAND

Italia

POTENSIALE

Nasjonal

START OG SLUTT åR

2010 - 2019

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTøR

REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

http://www.selvicoltura.eu/

PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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RESSURSER

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

18 sep 2019

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