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

PODROBNOSTI

IZVOR LESA

Gozd

TIP LESA

Okrogli les

VRSTA OBRAVNAVANEGA LESA

Stemwood

VPLIV NA OKOLJE IN BIODIVERZITETO

Positive effects

VPLIV NA PRIHODKE

Possibility to obtain income more frequent during the rotation period

POTENCIAL IZKORIŠČANJA

--

VOZLIŠČE

--

GOSPODARSKI VPLIV

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

POTENCIAL ZA MOBILIZACIJO

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

TRAJNOST - VREDNOST

--

ENOSTAVNOST IZVEDBE

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

ENOSTAVNOST IZVEDBE - OCENJEVANJE

--

KLJUČNI PREDPOGOJI

Awareness of all stakeholders in the supply chain

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

--

VPLIV NA DELOVNA MESTA

Connection to other wood and no-wood chain

STROŠKI IZVEDBE (EURO - €)

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POTREBNO SPECIFIČNO ZNANJE

Forest training

VEČ PODROBNOSTI

IZZIV	DOMENA	TIP REŠITVE
--	Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemske storitve	--

KLJUČNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
--	No	Ne

IZVORNA DRŽAVA	OBSEG UPORABE	ZAČETNO IN KONČNO LETO
Italija	Nacionalni	2010 - 2019

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

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POROČEVALEC

REFERENCES AND RESOURCES

SPLETNA STRAN

http://www.selvicoltura.eu/

SPLETNA STRAN PROJEKTA

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REFERENCA PROJEKTA

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VIRI

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PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood

DATUM OBJAVE

18 Sep 2019

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