

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

PÔVOD DREVA

Les

DRUH DREVA

Kmeňové drevo

UVAŽOVANÝ DRUH DREVA

Stemwood

VPLYV NA ŽIVOTNÉ PROSTREDIE A BIODIVERZITU

Positive effects

DOPAD NA PRÍJMY

Possibility to obtain income more frequent during the rotation period

POTENCIÁL VYUŽITIA

--

ROZBOČOVAČ

--

EKONOMICKÝ VPLYV

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

MOBILIZAČNÝ POTENCIÁL

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

POTENCIÁL UDRŽATEĽNOSTI - HODNOTA

--

UĽAHČENIE IMPLMENTÁCIE

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

UĽAHČENIE IMPLMENTÁCIE - HODNOTENIE

--

Kľúčové PREPOKLADY

Awareness of all stakeholders in the supply chain

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANÝ

--

DOPAD NA ZAMESTNANOSŤ

Connection to other wood and no-wood chain

NáKLADY NA IMPLEMENTÁCIU (EURO - €)

--

POTREBA ŠPECIFICKÝCH ZNALOSTÍ

Forest training

**VIAC
INFORMÁCIÍ**

RIEŠENÁ VÝZVA

--

DOMAIN

Lesné hospodárstvo/hospodárska úprava lesa,
pestovanie lesa, ekosystémové služby, odolnosť

TYP RIEŠENIA

--

Kľúčové SLOVÁ

--

DIGITALNE RIEŠENIE

Nie

INOVÁCIE

Nie

KRAJINA PôVODU

Taliansko

ROZSAH APLIKÁCIE

Národný

ZAČIATOK A KONIEC ROKA

2010 - 2019

**KONTAKTNÉ
ÚDAJE**

VLASTNÍK ALEBO AUTOR

francesco.pelleri@crea.gov.it

REPORTÉR

**REFERENCES
AND RESOURCES**

HLAVNÁ WEBSTRÁNKA

<http://www.selvicoltura.eu/>

PROJEKTOVÁ WEBSTRÁNKA

--

ZDROJE

--

REFERENCIA PROJEKTU

--

PROJEKT, V RÁMCI KTORÉHO BOL TENTO INFORMAČNÝ PREHĽAD VYTVORENÝ

Rosewood

DÁTUM ODOSLANIA

18 sep 2019



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.

862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY



□