

## 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

## DETALHES

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### ORIGEM DA MADEIRA

Floresta

### TIPO DE MADEIRA

Tronco

### TIPO DE MADEIRA EM CAUSA

Stemwood

### IMPACTE NO AMBIENTE E BIODIVERSIDADE

Positive effects

### IMPACTE NAS RECEITAS

Possibility to obtain income more frequent during the rotation period

### POTENCIAL DE EXPLORAÇÃO

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### HUB

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### IMPACTE ECONOMICO

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

### POTENCIAL DE MOBILIZAÇÃO

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

### SUSTENTABILIDADE POTENCIAL - VALOR

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### FACILIDADE DE IMPLEMENTAÇÃO

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

### FACILIDADE DE IMPLEMENTAÇÃO

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### PRE-REQUISITOS CHAVE

Awareness of all stakeholders in the supply chain

### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

Connection to other wood and no-wood chain

### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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## CONHECIMENTOS ESPECIFICOS NECESSÁRIOS

Forest training

## MAIS DETALHES

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### DESAFIO ABORDADO

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### DOMÍNIO

Gestão florestal, silvicultura, serviços do  
ecossistema, resiliencia

### TIPO DE SOLUÇÃO

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### PALAVRAS-CHAVE

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### SOLUÇÃO DIGITAL

Não

### INOVAÇÃO

Não

### PAÍS DE ORIGEM

Itália

### ESCALA DE APLICAÇÃO

Nacional

### ANO DE INÍCIO E FIM

2010 - 2019

### DADOS DE CONTACTO

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### PROPRIETÁRIO OU AUTOR

### REPÓRTER

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### REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

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

### RECURSOS

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### WEBSITE DO PROJETO

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### REFERÊNCIA AO PROJETO

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood

DATA DE ENTRADA

18 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

