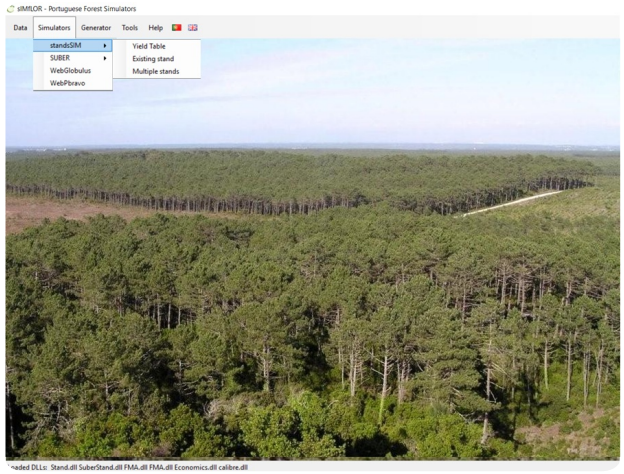
sIMfLOR | Platform for the Portuguese forest simulators



Forest growth simulators are essential tools for assisting forest management decision making. sIMfLOR was developed to integrate forest growth simulations for the main tree species in Portugal under the same interface where input files and outputs present the same structure regardless of the species.

sIMfLOR is a platform that integrates several simulators developed for the main portuguese forests species. The platform aims to encourage users from research fields, managers and forest owners to make use of the forest growth and yield models available for the Portuguese tree species in a user-friendly way. Different stand and regional level simulators have been integrated in a common environment alongside with other tools. The platform has been developed and continuosly improved over the years under the scope of several EU projects. The platform combines several simulators integrating growth models for the most relevant tree species in Portugal: eucalypt, maritime and umbrella pines, cork and holm oaks. Within sIMfLOR, simulators are grouped under stand level simulators (SUBER, WEBPBRAVO, WEGLOBULUS) and wide-range simulators (StandsSIM) that cover simulations from stand to regional level. sIMfLOR platfrom can be freely downloaded from the FCTools website after registering. This will enable the use of SUBER and the management driven StandsSIM (StandsSIM.md), both these tools allow simulating new plantations, an existing single stand and multiple stands. The scenario driven version of StandsSIM (StandsSIM.sd, former SIMPLOT) is only made available upon request. Over the years, several training workshops have been organized with attendees from researchers to private owners and forest owners associations. Forestry master students from ISA are also trained to use the tool.

MAIS DETALHES

DESAFIO ABORDADO

4. Assegurar uma mão-de-obra bem treinada através do desenvolvimento atractivo de competências e educação

DOMíNIO

Gestão florestal, silvicultura, serviços do ecosistema, resiliencia

Educação e formação

TIPO DE SOLUçãO

Modelação, sistemas de apoio à decisão, simulaçã, optimização

PALAVRAS-CHAVE

Growth models; forest simulators; DSS; forest management; training

SOLUçãO DIGITAL

Sim

INOVAçãO

Sim

PAíS DE ORIGEM

Portugal

ESCALA DE APLICAçãO

Regional/ sub-nacional

ANO DE INíCIO E FIM

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http://www.isa.ulisboa.pt/cef/forchange/fctools/pt/PlataformasIMfLOR_

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

http://www.isa.ulisboa.pt/cef/forchange/fctools/pt/PlataformasIMfLOR_

RECURSOS

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WEBSITE DO PROJETO

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REFERêNCIA AO PROJETO

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LOGOTIPO DA BOA PRáTICA

LOGOTIPO DA ORGANIZAçãO PRINCIPAL

PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

28 Dez 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY