

A decision support system tool for Forest Managers

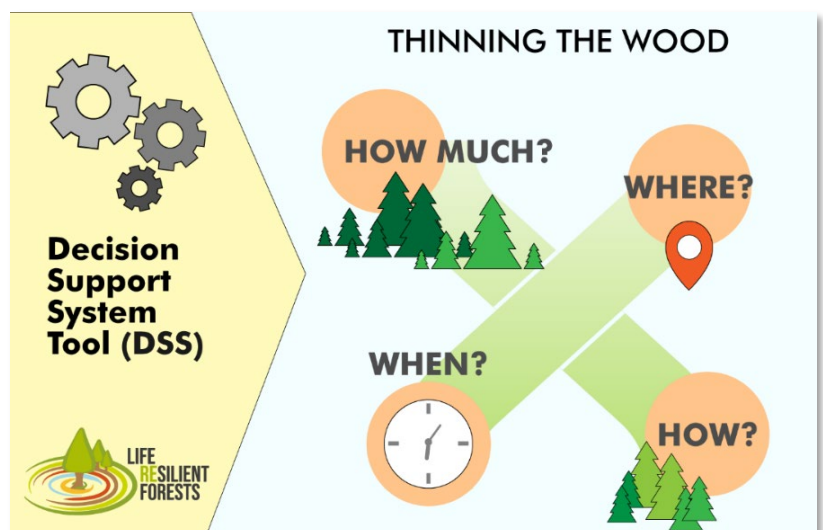
Sustainable Forest Management

Forest management usually addresses only one main goal or ecosystem service. However, it is possible to reach multiple objectives thanks to the support of technological tools. The Decision Support System “C.A.F.E” developed in the Resilient Forests project, allows you to achieve multiple goals and increase the health of your forest.



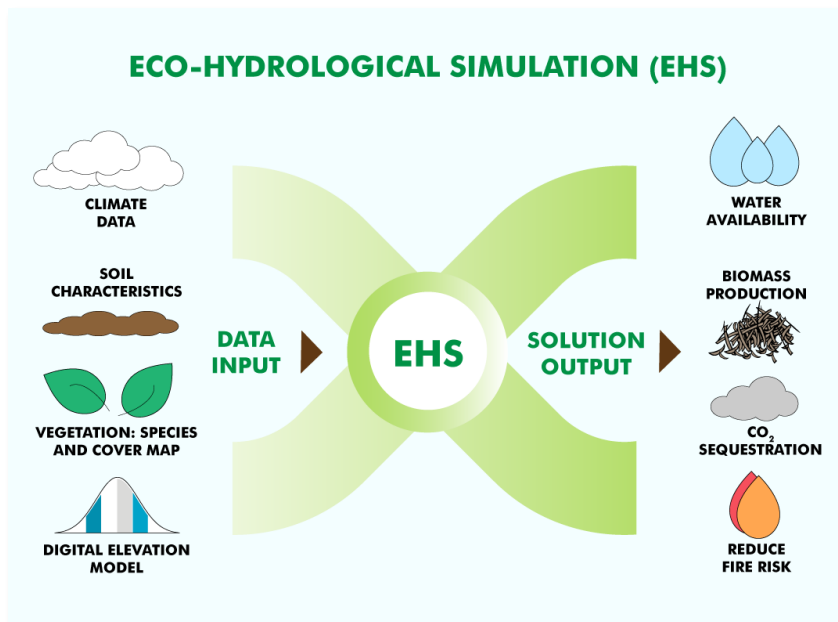
A DSS tool for Forest Managers

C.A.F.E. is a tool that combines eco-hydrologic dynamic simulation with many criteria optimization, where the user can carry out forest management according to more than one product at the same time, and choose the relevance of each objective.



In addition to optimizing up to 5 metrics, it also allows quantifying the rest of them to assess how management affects these goods and services, even if they are not optimised.

Advantages



1. Open source and free to use
2. Works in different climatic regions and forests
3. Uses current climate data or future climate scenarios
4. Works at any spatial scale (plot, catchment)
5. Answers the classical Forest Management questions (how much, where, when and how).

Outputs of the DSS tool

1. Delivers set of possible equally valid solutions and shows the trade-off among metrics.
2. For each solution, the type of action needed is displayed (intensity of thinning per stand, date of new action or on which stands to act, etc.)
3. Solutions are shown in a dynamic and interactive visualizer.
4. The user manages according to the weight or relevance given to each of the objectives.

On the [RESILIENT FORESTS website](#), you can download the DSS tool software and the user guides. You can also watch the video tutorials



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