



National Research Council (CNR)  
Institute for Agriculture and Forest  
Systems in the Mediterranean

Dear User,

in this file you will find some useful info to get yourself oriented among the 3D-CMCC-FEM forest ecosystem model workflow. Firstly, we warmly suggest to take a deep dive into your website <https://www.forest-modelling-lab.com/>. Check over the model's section and go through the list of papers (you can download them freely), to have an overview of the scientific works performed with the model and the projects where the model has a key role.

Then:

1. Get a deep look into the 3D-CMCC-FEM model's user guide and the theoretical book! <https://www.forest-modelling-lab.com/download>
2. From Forest Modelling Laboratory github repository, clone the 3D-CMCC-FEM branch v.5.6.06 Other versions are not in use anymore or under development.
3. In the repository MODEL\_STARTUP you will find information and file exemplars to help preparing the input files and navigate the output files.
4. For a first meet up with the code and play-around:

To use directly the exe

<https://github.com/Forest-Modelling-Lab/R3DFEM>

(currently the Rpackage works with the version 5.6.06)

Reference: **Vangi, E., Dalmonech, D., & Collalti, A. (2025). R3DFEM: an R package for running the 3D-CMCC-FEM model. *Earth Science Informatics*, 18(3), 1-17.**

IMPORTANT: Code Versions:

- The v.5.7 version (soil module and management module) is still under development and testing. Additionally, the package [R3DFEM](#) has not yet updated for v.5.7.
- For questions, please contact Daniela Dalmonech [daniela.dalmonech@cnr.it](mailto:daniela.dalmonech@cnr.it)

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