

## PROJECT INFORMATION

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**Project title:** Contribution to the Forest Information System for Europe: European Forestry Dynamics Model

**Project ID:** 46

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## PROJECT DESCRIPTION

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Development of the EFDM model initiated in 2012 as a part of the e-Forest Framework contract between the Joint Research Centre (JRC) and the European National Forest Inventory Network (ENFIN). EFDM is a matrix model based on the multiplication of forest initial state, transition probability and activity probability matrices. EFDM runs on a generic, platform-independent, free and open source software (F/OSS) for matrix simulation ingesting tabular data. EFDM is currently under development in close collaboration with MS and their national experts in economics, sociology and policy science in deriving and applying the assumptions on the behaviour of forest owners. A pilot study was carried out by five countries (Austria, Finland, France, Portugal, and Sweden).

Currently, the JRC is working to upscale the model to the European level, with an additional objective to geographically reference the modelling units. Detailed NFI data will not be used for this pan-European, spatial version of the model. The main input of the model are area of given species, volume and age classes and the JRC will have to rely on pan-European datasets in order to guarantee a homogeneous approach and seamless coverage for Europe. The ICP data are being requested for the calibration phase of the model. The JRC has spatial datasets on species probability; growing stock and site potential. To understand the relationship between these input (and possibly others), and the actual situation in the field, data points of field data are required.