**Project Database of ICP Forests**
**PROJECT DESCRIPTION**

## PROJECT INFORMATION

**Project title:** Fire Severity Reduction through New Tools and Technologies for Integrated Forest Fire Protection Management "GEPRIF"

**Project ID:** 116

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## PROJECT DESCRIPTION

With the aim of evaluating the effects of prescribed burning on the tree canopy, litterfall is being monitored in a network of experimental plots located in mixed (Pinus nigra and Pinus pinaster) and pure (Pinus nigra) stands (El Pozuelo and Beteta, respectively) located in the Cuenca Mountains (Castilla-La Mancha, Spain). The study has been applied to determine the effect of the season of burning, by considering 3 treatments. In each plot, 8 litterfall traps were installed at regular intervals, according to international protocols (ICP Forests). All the biomass that falls into the traps is being monitored monthly (from 2016). The main aim of the study is to assess how the different treatments affect the rate of generation of foliar and non-foliar litterfall biomass via the convection processes generated by the fire.

Further, we study the autocorrelated time series across the different *Pinus* species, latitude, litterfall fractions,... to identified biomass and fractions litterfall differences amongst species. Biomass and their fractions model will be fitted to characterize the different relationships between nutrients and species.