Poster

Woody Debris and Mediterranean Forestry

Bravo, F[1], Gómez, N.[2], Herrero, C.[1]
[1]Sustainable Forestry Research Institute, University of Valladolid, Spain
[2]Basartea, Spain

Dead wood plays an important role in the ecological processes of forest ecosystems. However, little is known about woody debris dynamics in Mediterranean forests, where factors such as biodiversity conservation and carbon sequestration are of great importance. Woody debris (WD) contribute to the total amount of organic matter in the forest soil, thereby affecting energy flow, soil development and nutrient cycles and represent a substratum for many processes (humification, seedling establishments and structural habitat features)

The objective of this contribution is to characterized the woody debris abundance and dynamic in Mediterranean managed forests. Data from pine plantation and natural forests in northern Spain have been used. An inventory method and a model approach are presented. Woody debris management (size, amount, density, decomposition status and spatial distribution) is currently one of the most important questions to be resolved for forest management in the context of sustainability and biodiversity conservation. Implications for forest management in Mediterranean forests are also presented and discussed.

Bravo, Felipe, Sustainable Forestry Research Institute, University of Valladolid, Avd. Madrid, s/n, 34004 Palencia, Spain, tel. +34 979 108 424, fax +34 979 108 440, email fbravo@pvs.uva.es