

**File name**

TM<sub>exp</sub>lots<sub>B1</sub>

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**Metadata Standard Name**

ISO19115

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**Title**

Experimental Plots in Muga basin (Catalonia - Spain)

**Citation Identifier Code**

TM<sub>snfi</sub>plots<sub>B1</sub>

**Identifier Code**

Thematic Map: Experimental Plots. Basin: 1 (Muga)

**Description**

This map locates the forest experimental plots in the Muga basin. These plots are located in a Holm oak forest in the lower part of the Eastern Pyrenees (Protected Natural Area of lAlbera), specifically, in the Requesens estate. The objective of the pilot experiment is to demonstrate and quantify the impacts of management which makes forests less vulnerable to climate change. In the case of the Muga basin, management practices pursue to reduce the fire risk through the reduction of tree density and the promotion of mature structures with bigger trees and fuel discontinuity. In the selected area, three pilot plots of approximately 1 hectare were implemented: Control plot, with no intervention. Treatment 1 plot: Application of a selection treatment in order to adapt forest to an irregular structure and to stimulate forest regeneration. Irregular forests are supposed to preserve better the soil, its quality and nutrients. Treatment 2 plot: Application of low thinning with the objective to adapt the forest to a regular structure. Regular forests are, in general, more efficient in the water use and in fire prevention.

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**Keyword (1)**

Experimental Plots in Muga basin

**Thesaurus Name (1)**  
Experimental Plots in Muga basin

**Use Limitation (1)**  
geossNonCommercial

**Legal Constraints**  
no limitation

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**Data Quality (Citation title)**  
Experimental Plots in Muga basin

**Data Quality (Explanation)**  
See the referenced specification