

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Mercedes GUIJARRO
Research organization	INIA - CIFOR
Position in the organization	Researcher
Country	SPAIN
E-mail	guijarro@inia.es
EXPERIMENTAL SITE ¹	
Name of the site	Monte "Fraguas", Guadalajara, España - "Fraguas" stand, Guadalajara, Spain
Location of the site	Spain
	X = 490.000 m; Y = 4.540.200 m; Z = 1.150 m (Huso 30, Elipsoide Hayford, Datum EUR50)
Start date	1999
Characteristics of the forest ecosystem where it is located	Vegetation: <i>Pinus pinaster</i> stand; understory shrub species: <i>Cistus ladanifer</i> , <i>Cistus laurifolius</i> , <i>Lavandula stoechas</i> and <i>Daphne gnidium</i> . Soil characteristics: granitic soil, pH between 6.5 and 6. Mean annual temperature: 10.4°C. Mean annual rainfall: 766 mm. Altitude: 1150 m. Slope: 10 %. Aspect: North
Keywords	<i>Pinus pinaster</i> , post-fire regeneration, silvicultural treatments, crown fire potential
Scientific characteristics	<p>To quantify the effects of two heavy pine seedling mechanical thinnings and no treatment on crown fire initiation risk on a <i>Pinus pinaster</i> stand</p> <p>To obtain data about the effects of silvicultural treatments on crown fire initiation risk on post-fire <i>Pinus pinaster</i> seedlings</p> <p>Permanent plots to monitor the evolution of fuel models and crown fire initiation risk on post-fire <i>Pinus pinaster</i> seedlings, according to different silvicultural treatments</p> <p>RTA2009-00153-C03-02. "Forest fire protection: initiation, propagation and socio-economical impacts of crown fires in pine stands" (http://wwwsp.inia.es/Investigacion/centros/CIFOR/areas/protfor/ProyectosProtFor/Documents/RTA2009-00153-C03%20INFOCOPAS.pdf)</p>
Technical characteristics	<p>The study area is a <i>Pinus pinaster</i> stand, affected by a wildfire in 1992 (11.6 ha). Nine plots (20 m x 20 m) were installed in 2000: 3 plots were treated with a heavy pine seedling thinning, 3 plots were treated with a very heavy pine seedling thinning and the other 3 remained as control.</p> <p>Fuel characteristics at particle level (S/V ratio, gross heat of combustion and flammability (measured in Mass Loss Calorimeter) of dead and live needles of <i>P. pinaster</i> and leaves and fine twigs of <i>C. ladanifer</i>, <i>C. laurifolius</i>, <i>L. stoechas</i> and <i>D. gnidium</i>); fuel characteristics at complex level (biomass distribution in <i>Pinus</i> canopy and shrubs); micrometeorology and fuel moisture content.</p> <p>Madrigal et al. 2006, Biomass accumulation and carbon sequestration after heavy mechanical thinning on post-fire <i>Pinus pinaster</i> seedlings (Monte "Fraguas", Guadalajara, Central Spain) http://revistas.inia.es/index.php/fs/article/view/967</p>

¹ Note: This information could be published in the webpage of FORESTERRA.



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SCIENTISTS AND/OR TECHNICIANS IN CHARGE OF THE INFRASTRUCTURE

Principal investigator	Carmen HERNANDO – lara@inia.es
One line for each additional person	Javier MADRIGAL – incendio@inia.es Mercedes GUIJARRO – guijarro@inia.es

ADMINISTRATIVE INFORMATION

Availability for participating in mutual measurements	Yes Javier MADRIGAL – incendio@inia.es
	Conditions: In the frame of research projects or agreements between involved institutions.
Availability for accessing the data collected	Yes Javier MADRIGAL – incendio@inia.es
	Conditions: In the frame of research projects or agreements between involved institutions.
Institution that manages the site	Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria – Centro de Investigación Forestal National Institute for Agricultural and Food Research and Technology – Forest Research Centre
	Junta de Comunidades de Castilla-La Mancha – Servicio Periférico de Agricultura en Guadalajara Autonomous Government of Castilla-La Mancha – Peripheral Unit of Agriculture in Guadalajara
	http://www.inia.es http://www.inia.es/IniaPortal/goUrlDinamica.action?url=http://wwwsp.inia.es/en-us/Investigacion/centros/CIFOR
	http://www.castillalamancha.es/gobierno/agricultura
Institution that manages the data	Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria – Centro de Investigación Forestal National Institute for Agricultural and Food Research and Technology – Forest Research Centre
	http://www.inia.es http://www.inia.es/IniaPortal/goUrlDinamica.action?url=http://wwwsp.inia.es/en-us/Investigacion/centros/CIFOR
Is the site participating in a national or international Network?	NO
Is the facility open for transnational collaboration?	Yes. Conditions: In the frame of research projects or agreements between involved institutions.