

INFORMATION ABOUT THE PERSON FILLING THE FORM	
Name and family name	Mercedes GUIJARRO
Research organization	INIA - CIFOR
Position in the organization	Researcher
Country	SPAIN
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EXPERIMENTAL SITE ¹	
Name of the site	"Rodenal de Molina", Guadalajara, España - "Rodenal de Molina", Guadalajara, Spain
Location of the site	Spain
	2°08'2'' - 2°18'16'' O / 41°0'10'' - 41°56'18'' N
Start date	2005
Characteristics of the forest ecosystem where it is located	Vegetation: <i>Pinus pinaster</i> as dominant species, <i>Quercus pyrenaica</i> and <i>Q. faginea</i> ; understory shrub species: <i>Cistus laurifolius</i> , <i>C. ladanifer</i> , <i>C. populifolius</i> , <i>Lavandula stoechas</i> , <i>Erica arborea</i> , <i>Halimium sp.</i> , <i>Genista sp.</i> Soil characteristics: lower bunter sandstone. Mean monthly temperatures: 2 to 20°C. Mean annual rainfall: 570 mm. Altitude: 1100-1200 m.
Keywords	<i>Pinus pinaster</i> , post-fire regeneration, salvage logging, flammability, fuel complex
Scientific characteristics	<p>To quantify the effects of salvage logging vs no treatment on <i>Pinus pinaster</i> post-fire regeneration and on flammability and fire risk of resulting fuel complexes.</p> <p>To obtain data about the effects of salvage logging on <i>Pinus pinaster</i> post-fire regeneration and on flammability and fire risk of resulting fuel complexes.</p> <p>Permanent plots to monitor the evolution of fuel models, analyzing the effects of salvage logging on <i>Pinus pinaster</i> post-fire regeneration.</p> <p>RTA2011-0065-C02-02 "Post-fire rehabilitation and restoration: Effects in time on vegetation recovery, its flammability and on soil quality" http://wwwsp.inia.es/Investigacion/centros/CIFOR/areas/protfor/ProyectosProtFor/Documents/RTA2011-00065-C02-02.pdf</p>
Technical characteristics	<p>The study area is a <i>Pinus pinaster</i> stand, affected by a wildfire in 2005 (12 874 ha). Eighteen plots (40 m x 40 m) were installed in 2005, belonging to two types of stand previous to fire: high polewood (25-30 years old, mean density 700 trees/ha) and high forest (more than 80 years old, mean density 300 trees/ha). Nine plots were treated with salvage logging and the other ten remained as control.</p> <p><i>Pinus pinaster</i> post-fire regeneration monitored since 2006.</p> <p>Flammability (measured in Mass Loss Calorimeter) of fine twigs of shrub species.</p> <p>Characteristics at dead and live fuel complex level.</p> <p>Madrigal et al. 2009. Efecto de la corta a hecho y la edad de la masa en la supervivencia de regenerado de <i>Pinus pinaster</i> Ait. tras el gran incendio del Rodenal de Guadalajara. http://www.congresoforestal.es/index.php?men=100</p>

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



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Guijarro et al. 2013. *Recuperación de la vegetación tras el gran incendio del Rodenal de Guadalajara: evaluación de la inflamabilidad de los complejos de combustible a medio y largo plazo y riesgo de incendio asociado.*
<http://www.congresoforestal.es/index.php?men=400>

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	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
	Empresa de Transformación Agraria S.A. (TRAGSA) - Company of Agrarian Transformation Ltd. (TRAGSA)
	http://www.castillalamancha.es/gobierno/agricultura http://www.tragsa.es
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.