

MEDPINE 5 Final program SOLSONA, 22 – 26 SEPTEMBER 2014

September 15th, 2014

MONDAY 22th SEPT

20:00

Registration and Welcome Icebreaker (Consell Comarcal)

Free dinner

TUESDAY 23th SEPT

TIME	TUESDAY 23 th SEPT			
08:00 – 8:45	Registration (CTFC's Hall)			
08:45 – 9:10	OPENING CEREMONY (Conference Room)			
09:10 – 09:50	KEYNOTE #1 A. MÄKELÄ "Modelling stand growth for optimal management under climate change: experiences from Scots pine stands in Finland "			
09:50 – 10:10	Abiotic interactions and Climate change	How do climate, competition and site quality affect radial growth and fruiting in young post-fire Aleppo pines? ALFARO <i>et al.</i>		
10:10 – 10:30		Attribution of growth to global-change drivers in Iberian pine species: scarce evidence of any CO ₂ -fertilization effect CAMARERO <i>et al.</i>		
10:30 – 10:50		Resource use efficiency: Lower stand density can mitigate damages by extreme climate events in Mediterranean pine forests DEL RÍO <i>et al.</i>		
10:50 – 11:20		COFFEE BREAK		
11:20 – 11:40		Ecophysiological responses of <i>Pinus uncinata</i> , <i>Betula pendula</i> and <i>Rhododendron ferrugineum</i> to environmental factors associated with climate change FERNÁNDEZ <i>et al.</i>		
11:40 – 12:00		Comparison of the root, needle and xylem cold tolerance in four Iberian pines OLIET PALÁ <i>et al.</i>		
12:00 – 12:20		Spatial patterns and dynamics of <i>Pinus nigra</i> at the treeline ecotone in central Apennines (Italy) PIERMATTEI <i>et al.</i>		
12:20 – 12:40		Regional variation in tree functional traits along wide climatic and forest structural gradients VILÀ-CABRERA <i>et al.</i>		
12:40 – 13:00		Differences in seedling field performance, water use efficiency, and root structure and function explains the distribution of four Iberian pines VILLAR-SALVADOR <i>et al.</i>		
13:10 – 14:20		LUNCH (<i>Can Mascaró</i>)		
14:20 – 15:40	POSTER SESSION A			
15:40 – 16:20	KEYNOTE #2 F. LEFEVRE "Adaptation: where functional ecology and evolutionary biology meet"			
16:20 – 16:40	Abiotic interactions and Climate change	Evolution and adaptation	Water shortage is mitigated by elevated atmospheric CO ₂ only in severely drought stressed <i>P. nigra</i> and <i>P. Sylvestris</i> BACHOFEN <i>et al.</i>	Genetic, environmental and ontogenetic effects on cone serotiny in Aleppo pine (<i>Pinus halepensis</i> Mill.) CLIMENT <i>et al.</i>
16:40 – 17:00			Decline analysis of Aleppo Pine in Natural Senalba Forest (Djelfa-Algeria) CHAKALI & GUIT	Using different molecular approaches to resolve the phylogeny and taxonomic complexity of the European black pine, <i>Pinus nigra</i> Arnold GIOVANNELLI <i>et al.</i>
17:00 – 17:20			Subsoil properties as the main factors in drying and mortality of <i>Pinus halepensis</i> at the Yatir forest, northern Negev, Israel HERR <i>et al.</i>	Species and provenances differences in the sensitivity of seed to frosts in six Iberian pines HERRERO SIERRA <i>et al.</i>
17:20 – 17:40			The process of drought-induced tree mortality in Mediterranean Scots pine populations MARTÍNEZ-VILALTA <i>et al.</i>	Use of grafted <i>Pinus pinea</i> for the restoration of degraded areas and the early production of fruit in Tunisia AMMARI <i>et al.</i>
17:40 – 18:00			COFFEE BREAK	COFFEE BREAK
18:00 – 18:20			A long term history of pinewoods in central Iberia: lessons from the Holocene macrofossil record RUBIALES	Trade-offs among life history and ecophysiological traits underlying population differentiation in Aleppo pine SAMPEDRO <i>et al.</i>
18:20 – 19:40	<i>Pinus halepensis</i> : a masting pine too? THANOS <i>et al.</i>	First insights into Aleppo pine population genomics VENDRAMIN <i>et al.</i>		
18:40 – 19:00	Age- related radial growth patterns of <i>Pinus pinaster</i> Ait. in response to climate variability in the south-central Spain RIOFRÍO <i>et al.</i>	Ecotypic differentiation in water uptake patterns of <i>Pinus halepensis</i> as inferred by stable isotopes of xylem water VOLTAS <i>et al.</i>		
20:00 – 20:40	CITY TOUR (Solsona city centre)			
	Free dinner			

TIME	WEDNESDAY 24th SEPT	
08:30 - 9:10	KEYNOTE #3 J.G. PAUSAS "Evolutionary fire ecology: lessons learned from pines"	
9:10 - 9:30	Adaptive management of <i>Pinus nigra</i> Arn. stands when fire risk is present. GONZÁLEZ-OLABARRÍA <i>et al.</i>	Degree of susceptibility of six European <i>Pinus</i> spp. to the pinewood nematode (<i>Bursaphelenchus xylophilus</i>) DÍAZ <i>et al.</i>
9:30 - 9:50	Heritability and quantitative genetic divergence of serotiny, a fire persistence plant trait HERNÁNDEZ-SERRANO <i>et al.</i>	Defensive strategies in <i>Pinus pinaster</i> : interprovenance variation in constitutive and induced allocation to chemical defences LÓPEZ-GOLDAR <i>et al.</i>
9:50 - 10:10	What happens to pine roots after fire and logging? Cicadas offer an answer PONS & PUIG-GIRONÈS	Contrasted functioning of fungal communities in forests of two Mediterranean pine species PÉREZ-IZQUIERDO <i>et al.</i>
10:10 - 10:30	Assessing the impact of prescribed burning on the growth of four pine species VALOR IVARS <i>et al.</i>	Tritrophic interactions: population responses of herbivores when the host pine is parasitized by mistletoe ZAMORA <i>et al.</i>
10:30 - 10:50	Post-fire salvage logging versus non-intervention: effects on dead fuel accumulation and fire behaviour in a <i>Pinus pinaster</i> forest GUIJARRO <i>et al.</i>	Importance of nests of pine processionary moth <i>Thaumetopoea pityocampa</i> Schiff (Lepidoptera: Thaumetopoeidae) in the Aleppo pine forests of semi-arid zone (Djelfa, Algeria) HEZIL & CHAKALI
10:50 - 11:20	COFFEE BREAK	COFFEE BREAK
11:20 - 11:40	Post-fire genetic structure of <i>Pinus halepensis</i> BEN-SHLOMO <i>et al.</i>	Brutian and Stone Pine stands in the upper Metn region (central Lebanon): a functional typology for forest conservation and management VARESE <i>et al.</i>
11:40 - 12:00	Long-term patterns of post-fire recovery in <i>Pinus brutia</i> forests TAVŞANOĞLU & GÜRKAN	Evolution of species richness and turnover rate of pine forests under climate change GARCÍA CALLEJAS <i>et al.</i>
12:00 - 12:20	Forest fires impacts on landslides ABDALLAH <i>et al.</i>	Functional diversity influence the balance between tree growth and mortality in Iberian pinewoods HERRERO MÉNDEZ <i>et al.</i>
12:20 - 13:20	DYNAMIC SESSION 1	DYNAMIC SESSION 2
13:20 - 14:30	LUNCH (<i>Can Mascaró</i>)	
14:30 - 15:30	POSTER SESSION B	
15:30 - 19:45	CONFERENCE FIELD-TRIP	
20:30 =>	SOCIAL DINER (Restaurant Gran Sol) AND JAM SESSION (Sputnik Bar)	

TIME	THURSDAY 25th SEPT	
08:30 - 9:10	KEYNOTE #4 R. ZAS "Can we improve the health of our pine forests by managing tree investment in resistance traits?"	
09:10 - 09:30	Optimizing <i>Pinus sylvestris</i> management for the provision of multiple goods and ecosystem services under fire risk in a Mediterranean context GRACIA <i>et al.</i>	
09:30 - 09:50	A model-based analysis of climate change vulnerability of <i>Pinus pinea</i> stands under a multi-objective management in the Northern Plateau of Spain PARDOS <i>et al.</i>	
09:50 - 10:10	Identifying the roles of emergence, survival and growth in a regenerating pine forest submitted to a range of disturbance intensities PRÉVOSTO <i>et al.</i>	
10:10 - 10:30	Using remote sensing data for assessing mid-term post-fire regeneration trajectories in sub-Mediterranean black pine forests MARTÍN-ALCÓN <i>et al.</i>	
10:30 - 10:50	Availability of maritime pine wood in Portugal in the period 2015-2105 SOARES <i>et al.</i>	
10:50 - 11:20	COFFEE BREAK	
11:20 - 11:40	Growth response and competition mode as modulated by climate and thinning intensity in Mediterranean pinewoods BRAVO-OVIEDO <i>et al.</i>	
11:40 - 12:00	Estimation of leaf area index in a Mediterranean pine (<i>Pinus pinea</i> L.): from the needle to the stand level CORREIA & FREIRE	
12:00 - 12:20	Impact of forest management intensity on landscape-level mushroom productivity in Mediterranean pine forests: a regional model-based scenario analysis DE MIGUEL <i>et al.</i>	

12:20 – 12:40		PINEA Project: Modelling growth and pine nuts production for Pinus pinea under changing environmental conditions FONTES <i>et al.</i>	
12:40 – 13:00		Effect of Aleppo pine thinning on development of introduced hardwood species: a comparison between SE France and SE Spain GAVINET <i>et al.</i>	
13:10 – 14:20		LUNCH (<i>Can Mascaró</i>)	
14:20 – 15:40		POSTER SESSION C	
15:40 – 16:20		KEYNOTE #5 D. PETTENELLA "Markets development for pine products: actors and patterns of trade in a changing market condition"	
16:20 – 16:40	Stand dynamics and forest management	Competition and productivity of Mediterranean Pinus species in mixed forests: basing a particularised silviculture VERICAT <i>et al.</i>	Scenarios for payment of forest ecosystem services provision in Aleppo pine in Catalonia (Northeastern Spain) GÓRRIZ <i>et al.</i>
16:40 – 17:00		Height and diameter growth modeling of young Pinus pinea trees elevated on various substrates in forest nursery: Results after 15 years of growth in field trial SGHAIER <i>et al.</i>	Social preferences for key externalities provided by actively managed Aleppo pine forests in Catalonia: an economic valuation perspective VARELA <i>et al.</i>
17:00 – 17:20		Pinus nigra Arn. ssp salzmannii seedling recruitment is affected by stand basal area, shrub facilitation and climate interactions LUCAS BORJA <i>et al.</i>	The Stone pine (Pinus pinea L.) in Southern Latin-America LOEWE <i>et al.</i>
17:20 – 17:45		CONCLUDING REMARKS	
		Free afternoon / Free dinner	

TIME	FRIDAY 26th SEPT
08:30	DEPARTURE
11:00 - 17:30	Optional field visit to experimental sites (Prades Mountains)