



Joint conference of two IUFRO units: 1.01.09 Ecology and Silviculture of Fir and
1.01.10 Ecology and Silviculture of Pine

Fir and pine management in the changeable environment: risks and opportunities

International IUFRO Conference

Sarajevo, Bosnia and Herzegovina, September 19th – 22nd, 2022.

PROGRAMME

MONDAY, SEPTEMBER 19TH, 2022	
Participants arrival and registration	
17:00- 20:00	Welcome party Hotel Hollywood Ilidža
TUESDAY, SEPTEMBER 20TH, 2022	
08:00- 09:00	Registration
09:00- 09:50	Opening and welcome addresses Minister prof. dr. Aleksandra Nikolić Minister Adnan Delić Rector prof. dr. Rifat Škrijelj Dean prof. dr. Ahmet Lojo Andrej Bončina (IUFRO 1.01.09), Teresa de Jesus Fidalgo Fonseca (IUFRO 1.01.10)
09:50- 11:10	Plenary session Moderator: Raphael Klumpp
09:50-	Senka Barudanović Key note 1 Biodiversity of Bosnia and Herzegovina: challenges of wealth

10:30				
10:30-10:50	Marijana Andabaka, Ernest Goršič, Mario Božić, Krunoslav Teslak, Mislav Vedriš, Karlo Beljan, Stjepan Posavec, Tom Levanič, Andrej Bončina, Jura Čavlović		Growth recovery of silver fir in uneven-aged Dinaric forests in Croatia during the last four decades	
10:50-11:10	Emily Von Blon, Matt Powers, Carlos A. Gonzalez-Benecke		Variation in productivity, wood quality, and climate sensitivity of ten conifer species across a gradient in water deficit in the Pacific Northwest, USA	
11:10-11:40	Break			
11:40-12:40	Parallel Session - ABIES Moderator: Andrej Bončina		Parallel Session - PINUS Moderator: Teresa de Jesus Fidalgo Fonseca	
11:40-12:00	R. Motta, A. Bono, S. Bilić, R. Berretti, G. Alberti, M. Curovic, V. Dukić, M. Garbarino, S. Keren, P. Nola, F. Petruzzellis, F. Ruffinatto	The old-growth forest of the Dinaric Alps and their fundamental role as a reference for management and as a sentinel for the climate change	Sergio de Frutos, Ricardo Ruiz-Peinado, José A. Bravo-Fernández, Sonia Roig-Gómez, Miren del Río	Group selection system to diversify regeneration of natural <i>Pinus sylvestris</i> stands in Northern Spain
12:00-12:20	Pia Caroline Adamič, Tom Levanič, Matjaž Čater	Growth response of <i>Abies alba</i> Mill. and <i>Fagus sylvatica</i> L. along the Carpathian region	Nella Waszak, Filipe Campelo, Iain Robertson, Radosław Puchałka, Ali Boularbach, Marcin Koprowski	Effect of application of potato starch on wood cell parameters of Scots Pine (<i>Pinus Sylvestris</i> L.)
12:20-12:40	Dorota Dobrowolska, Bogdan Pawlak, Leszek Bolibok	Spatial structure of mixed stands in the lowlands – how does silver fir coexist with other tree species?	Emma Holmström, Lisa Petersson, Urban Nilsson, Euan Mason	Climate sensitive site index models for Scots pine
12:40-14:10	Lunch, break			
14:10-16:10	Joint Session – ABIES & PINUS Moderator: Dorota Dobrowolska			
14:10-14:30	Toshiaki Owari, Masaki Matsui, Satoshi N. Suzuki, Eiichi Nobu, Noriyuki Kimura		Survival and height growth of <i>Abies sachalinensis</i> seedlings planted around cut stumps after single-tree selection harvest	
14:30-14:50	Matija Klopčič, Suzana Podvinšek, Jurij Beguš, Hana Štraus		The role of silver fir in carbon sequestration in mixed mountain silver fir-European beech-Norway spruce forests depends on site productivity	
14:50-15:10	Wooseok Kong, Hyunhee Kim, Jaegyun Koo		Time-spatial distribution and projected range shift of cold-tolerant conifers in the Korean peninsula under global warming	
15:10-15:30	Teresa F. Fonseca, André Sandim, Maria Emília C. Silva		Forest management proposals for post-fire regenerated maritime pine forests in early stages of development	
15:30-15:50	Berthold Heinze, Barbora Balusková		Composition of fatty acids and genes responsible for fatty acid biosynthesis in seeds of silver Fir (<i>Abies alba</i>)	
15:50-16:10	Friday N. Ogana, Fredrik Sjödin, Emma Holmström, Clas Fries, Urban Nilsson		Effect of aspect-slope on the growth of conifers in a harsh boreal climate of Northwest Sweden	
16:10-	Break			

16:40				
16:40-18:00	Poster session Moderator: Mirzeta Memišević Hodžić			
18:00-19:30	Free time			
19:30	Official Conference dinner			
WEDNESDAY, 21TH SEPTEMBER, 2022				
09:00-10:20	Plenary session Moderator: Emily Von Blon			
09:00-09:40	Miren del Rio	Key note 2 Pine mixtures as a strategy for adaptation to climate change: productivity, stability and silvicultural insights		
09:40-10:00	Christian Rosset	Added value of digitalization to enhance knowledge and skills in the field of close-to-nature silviculture		
10:00-10:20	Harshi Jain	Mapping change in the spatial distribution of Chir pine forests in the Indian Western Himalayas using machine learning techniques		
10:20-11:00	Coffee break and abstract ranking			
11:00-12:20	Parallel Session - ABIES Moderator: Christian Rosset		Parallel Session - PINUS Moderator: Berthold Heinze	
11:00-11:20	David Janeš, Andreja Đuka, Ivica Papa, Ivan Žarković, Kristijan Tomljanović, Milivoj Franjević	Spatial and temporal dynamics of sanitary felling in the selective forest caused by bark beetle outbreaks	Aleš Poljanec, Tina Simončič, Valerija Babij, Matjaž Guček	The importance and management of pine forests in Slovenia under changing climatic and social conditions
11:20-11:40	Andreja Nève Repe, Rok Pisek, Miha Varga, Jernej Javornik, Rok Černe, Aleš Poljanec	The role of large fir beech forest complexes to ensure ecological connectivity between the Dinarides and the Alps	Amanda de Castro Segtowich, Emma Holmström	Stand-level comparison between selective and systematic thinning in Scots pine stands
11:40-12:00	Ernest Goršič, Mario Božić, Jura Čavlović, Tom Levanič	Comparison of intra annual Silver fir growth dynamic in central and marginal distribution area in Croatian Dinarides	Mehmet Özdemir, İbrahim Kaya, Ramazan Akbulut, Lionel Constantin Fosso, Uzay Karahalil	Determination of applicable silvicultural interventions against the impact of climate change for Anatolian Black Pine (<i>Pinus nigra subsp. pallasiana</i> Arn.), in Marmara Region, Turkey
12:00-12:20	Branko Ursić, Dinko Vusić, Ivica Papa, Mihael Lovrinčević, Milivoj Franjević, Andreja Đuka	Bark beetles influence on wood quality determination of Silver fir and Norway spruce according to the HRN EN Standard	Matjaž Guček, Aljoša Žnidaršič, Aleš Poljanec	Black pine (<i>Pinus nigra</i>) forest management in Istria and Littoral Karst
12:20-13:30	Lunch break			

13:30-19:00	Field trip to Trebević and Igman Moderators: Sead Vojniković & Admir Avdagić			
THURSDAY, 22ND SEPTEMBER, 2022				
09:00-10:20	Plenary session Moderator: Toshiaki Owari			
09:00-09:40	Dušan Rožembergar, Jurij Diaci, Thomas A. Nagel, Mirzeta Memišević Hodžić, Dalibor Ballian	Key note 3 The ecology and silviculture of silver fir in the Dinaric Mountain region		
09:40-10:00	Charalambos Neophytou, Barbara Fussi, Nick Lamprecht, Hans-Gerhard Michiels, Muhidin Šeho, Karl-Heinz Mellert	Exploring the gene pool of silver fir in Southern Germany on the search for climate-smart seed sources		
10:00-10:20	Begoña Abellanas, Rosario Sierra-de-Grado, Gianluca Segalina, Simon Cuadros, Felipe Bravo	Habitat hosting as ecosystem service in pine and fir forests: integrating ecological value in multipurpose silviculture. (Designing and training with martellosopes).		
10:20-10:50	Coffee break			
10:50-12:30	Parallel Session - ABIES Moderator: Matt Powers		Parallel Session - PINUS Moderator: Carlos A. Gonzalez-Benecke	
10:50-11:10	R. Th. Klumpp, P. Klumpp, S. Schoerghuber	The Austrian "Poeggstall" test site of the international IUFRO silver fir test series 1 (1987): results from an unknown provenance test site at trial age of 35 years	Mar Pallarés, Míriam Piqué	Management for the conservation of dune pine forests in north-east Spain in the context of climate change
11:10-11:30	Dalibor Ballian, Mirzeta Memišević Hodžić, Bruno Marić	Variability of morphological traits of <i>Abies alba</i> cones in Bosnia and Herzegovina	Marcin Koprowski, Hazem M. Kalaji, Iain Robertson, Radosław Puchałka, Bartłomiej Igliński, Piotr Sewerniak, Nella Waszak, Mariusz Gławenda, Werner Ulrich	Gas exchange is controlled by environment but not by specific leaf area on the degraded pine forest sites
11:30-11:50	Srdjan Keren, Vojislav Dukić, Srdjan Bilić	Recent structural and compositional changes of the old-growth forest Janj in Bosnia and Herzegovina	Sanna Olsson, David Macaya-Sanz, Delphine Grivet, Carlos Guadaño, David Leon Carbonero, Sara Pinosio, Francesca Bagnoli, Giovanni G. Vendramin, Santiago C. González-Martínez, Ricardo Alía, Sven Mutke	Mediterranean stone pine provenances: a natural and cultural story
11:50-12:30	IUFRO Unit 1.01.09 meeting		IUFRO Unit 1.01.10 meeting	
12:30-13:15	General discussion. Conference Conclusions, Closing Remarks			
13:15-14:30	Farewell Lunch			