

TRACE 2023: PRE-CONFERENCE WORKSHOPS

8th May (Monday)				#	Title	Location
8:30-10:00	WS1	WS2	WS3	WS1	Introducing TreeRingJ: A tool to measure and record tree rings based on the free image-analysis platform ImageJ	Department of Life Sciences, Room 1.3
10:00-10:30	Break				<i>Ignacio García González, University of Santiago de Compostela, Spain</i>	
10:30-12:30	WS1	WS2	WS3	WS2	Sampling roofs: an exchange of sampling procedures and protocols.	Roofs of several buildings
12:30-14:00	LUNCH				<i>Kristof Haneca, Flanders Heritage Agency, Belgium</i>	
14:00-16:00	WS1	WS2	WS3	WS3	Identifying wood	Department of Chemistry, Lab 4.6
16:00-16:30	Break				<i>Alan Crivellaro, Forest Biometrics Laboratory, Faculty of Forestry, "Stefan cel Mare" University of Suceava, Romania</i>	
16:30-18:00	WS1	WS2	WS3			

9th May (Tuesday)				#	Title	Location
8:30-10:00	WS4	WS5		WS4	Tools and techniques for analysis of xylogenes and wood anatomical data	Department of Chemistry, Lab 4.6
10:00-10:30	Break				<i>Emanuele Ziaco and Edurne Martinez del Castillo, University of Mainz, Germany</i>	
10:30-12:30	WS4	WS5		WS5	Design and Deliver Effective Scientific Presentations	Department of Life Sciences, Auditorium
12:30-14:00	LUNCH				<i>Alan Crivellaro, www.presenting-scientist.com</i>	
14:00-16:00	WS4	WS5	WS6	WS6	Tree-ring analysis using X-ray CT: theory, practice and hands-on visualization and analysis	Department of Life Sciences, Room 1.3
16:00-16:30	Break				<i>Jan Van den Bulcke and Tom De Mil, University of Ghent and University of Liège, Belgium</i>	
16:30-18:00	WS4	WS5	WS6			

WIFI ACCESS (workshops and conference)

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TRACE 2023: CONFERENCE ORAL SESSIONS

10th May (Wednesday)					
	08:00	08:30	Registration		
	08:30	08:40	Opening		
Order	CLIMATE RECONSTRUCTION SESSION			Author	P/S
#1	08:40	09:00	Millennia-long perspectives on agroclimatic conditions in central Europe	Max Torbenson	P
#2	09:00	09:12	Central Europe summer temperatures over the past Millennium	Eileen Kuhl	S
#3	09:12	09:24	Records of past temperatures in wood anatomy of high-latitude trees	Julie Edwards	S
#4	09:24	09:36	Towards an enhancing of our understanding of climatic variability in Eastern Europe	Milos Rydval	P
#5	09:36	09:48	Palaeoclimatic potential of the recent oak tree-ring width chronology from western Ukraine	Irena Sochová	S
#6	09:48	10:00	Dating of avalanches in Pirin Moutains in Bulgaria by tree-ring analysis of Pinus peuce and Pinus heldriechii trees	Momchil Panayotov	P
#7	10:00	10:12	A 600-year snowpack duration reconstruction for the southern Alps	Marco Carrer	P
	10:12	10:30	Discussion & summary. Moderator: Jan Esper		
	10:30	11:00	Coffee Break		
Order	CLIMATE CHANGE SESSION			Author	P/S
#8	11:00	11:12	How to improve the comprehension of climate change - an interdisciplinary approach.	Annette Debel	S
#9	11:12	11:24	Structural and Species Diversity Do Not Stabilize Forest Growth Under Climate Change Stress	Héctor Hernández-Alonso	S
#10	11:24	11:36	Global change effects on Mediterranean pine forests: hotspots of dieback	Raúl Sánchez-Salguero	P
#11	11:36	11:48	Growth projections of European beech reveal widespread decline until 2050	Stefan Klesse	P
#12	11:48	12:00	Age-related responses of larch trees to climate warming and the underlying physiological mechanisms in the boreal permafrost region of Northeast China	Xi Qi	S
#13	12:00	12:12	Drought adaptation of Italian silver fir genotypes in a climate change perspective	Silvio Oggioni	S
#14	12:12	12:24	Extracting heritable variation from tree-rings allows for precision breeding in a changing climate	Kelly Swarts	P
	12:24	12:36	Discussion & summary. Moderator: Lea Schneider		
	12:36	14:00	Lunch		
	14:00	15:00	POSTER SESSION: Climate Reconstruction, Climate Change, Ecology (part 1)		

Note: P/S means Professional/Student

10th May (Wednesday)					
Order	ECOLOGY SESSION			Author	P/S
#15	15:00	15:12	Dendroclimatology in the Azores: starting to fill the gap	Diogo Pavão	S
#16	15:12	15:24	Forgotten giants: Robust climate signal in pollarded trees	María A. García-López	S
#17	15:24	15:36	Seasonal temperature signal in treeline Maximum Latewood Density records of Great Basin Bristlecone pine samples from the California White Mountains	Tom De Mil	P
#18	15:36	15:48	Exploring the climatic and non-climatic fingerprints of the hydrogen isotope signals in tree rings.	Valentina Vitali	P
#19	15:48	16:00	Climate modulation of carbon sequestration in Scots Pine stem wood: A Scottish multi-transect approach.	Rory Abernethy	P
#20	16:00	16:12	Divergence in leaf and stem phenology between ring-porous and diffuse-porous species and the impact of phenology on tree growth	Xiaohan Yin	S
#21	16:12	16:24	Plasticity of xylem functional traits contributes to tree performance and survival of Mediterranean conifers under drought stress	Macarena Ferriz	P
#22	16:24	16:36	Intraspecific variations in the radial growth response to drought of Pinus halepensis	Léa VEUILLEN	S
	16:36	17:00	Discussion & summary, Moderators: Isabel Dorado and Maxime Cailleret		
	17:00	17:30	Coffee Break		
	17:30	18:30	ATR MEETING		
11th May (Thursday)					
Order	FOREST HEALTH SESSION			Author	P/S
#23	08:30	08:50	A more physiological dendrochronology to improve Earth system modelling using tree rings	Jonathan Barichivich	P
#24	08:50	09:02	Modelling secondary tree growth of European forests based on high resolution satellite observations and climate data	Jernej Jevšenak	P
#25	09:02	09:14	Combining dendroecology in old-growth forests and dynamic vegetation modelling to infer development and long-term dynamics of beech-fir forests in the Pyrenees.	Dario Martin-Benito	P
#26	09:14	09:26	Using modern day bog pines to understand ancient bog pine growth and decline.	Kayleigh Letherbarrow	S
#27	09:26	09:38	Joint effect of severe heatwaves and droughts likely contributes to a rapid growth decline of silver fir in Central European temperate forests	Peter Marcis	P
#28	09:38	09:50	Species-specific growth responses to local and regional climatic variability support a diversity portfolio effect in Mediterranean tree assemblages.	Lorién Tornos	S
#29	09:50	10:02	A multi-proxy tree-ring approach to identify pine processionary moth defoliations	Hermine Houdas	P

11th May (Thursday)					
Order	FOREST HEALTH SESSION			Author	P/S
#30	10:02	10:14	Monitoring the wood formation of black pine trees to understand the historical fire seasonality in Türkiye	Evrin A. Şahan	P
#31	10:14	10:26	Heading for a fall: predisposition of beech trees to windthrow is detectable in their growth pattern.	Louis Verschuren	S
	10:26	10:38	Discussion & summary. Moderator Daniele Castagneri		
	10:38	11:00	Coffee Break		
Order	WOOD ANATOMY AND CAMBIAL DYNAMICS SESSION			Author	P/S
#32	11:00	11:12	Drought-fluctuated tree water balance modifies the seasonality of differentiation and morphogenesis of newly forming phloem cells in Central European Scots pine	Marek Fajstavr	P
#33	11:12	11:24	Mixing wood anatomy, wood formation monitoring and dendrometry on peatland trees: what can we learn?	Loïc Francon	P
#34	11:24	11:36	Blue rings in trees and shrubs at Europe's most northern treeline in Scandinavia	Agata Buchwal	P
#35	11:36	11:48	Remarkably high blue ring occurrence in Estonian Scots pines in 1976 reveals wood anatomical evidence of extreme autumnal cooling	Ciara Greaves	S
#36	11:48	12:00	Anatomical measurements of Juniperus excelsa wood as a potential hydroclimate archive in the Middle East and North Africa (MENA) region	Mansour Mdawar	S
#37	12:00	12:12	Xylem formation patterns from Mediterranean to subalpine climate conditions on Corsica	Martin Häusser	S
#38	12:12	12:24	Dynamics of cell wall formation of silver fir tracheids: Exploring the sequence of cellulose deposition and lignification using a multimodal imaging approach	Gonzalo Pérez-de-Lis	P
#39	12:24	12:36	Unenriched xylem water contribution during cellulose synthesis modulated by atmospheric water demand governs the intra-annual tree-ring $\delta^{18}O$ signature	Elisabet Martínez-Sancho	P
	12:36	12:48	Discussion & summary. Moderator: Alma Piermatei		
	12:48	14:00	LUNCH		
	14:00	15:00	POSTER SESSION: Ecology (part 2), Forest Health		
	15:00	16:00	Discussion forum		
	16:00	17:00	Film projection "INVISIBLE WOODS"		
	17:00	17:30	Coffe Break		
	20:00	CONFERENCE DINNER			

12th May (Friday)					
Order	HISTORICAL AND FOSSIL WOOD SESSION			Author	P/S
#40	08:30	08:50	Dendroarchaeology in Greece - from humble beginnings to promising future	Anastasia Christopoulou	P
#41	08:50	09:02	Irish Dendrochronological Research: The Final Countdown	David Brown	P
#42	09:02	09:14	A Dendroarchaeology for Anatolian Bronze and Iron Ages - potentials and pitfalls	Ünal Akkemik	P
#43	09:14	09:26	Dendrochronological investigation of subfossil yew trees from the east of England	Tatiana Bebuchuk	S
#44	09:26	09:38	Multicentennial dendrochemical series and dendrogenomics of relict forests in Southern Spain can reveal origin of previously undated historical timber	Linar Akhmetzyanov	P
#45	09:38	09:50	How local is local? Ring-width sequences and strontium isotope ratios of Limoges' construction timbers allow to delve into the history of domestic forests of Central France	Roberta D'Andrea	S
#46	09:50	10:02	Seeing timber provenance through the exploitation of medieval and modern forests in the Mosan basin (Belgium): combined approaches of dendrotypology, growth disturbance and historical records	Vincent Labbas	P
#47	10:02	10:14	Timbers from Late celtic, Roman and late Antiquity wells in SW-Germany: Dendroarchaeology and implications for woodland management practices	Oliver Nelle	P
#48	10:14	10:26	Felling dates as proxies for technological, economic and demographic dynamics in Bruges (c. 1200–1500 CE)	Kristof Haneca	P
	10:26	10:38	Discussion & summary. Moderator: Julia Weidemüller		
	10:38	11:00	Coffee Break		
			METHODS DEVELOPMENT SESSION		
#49	11:00	11:12	Delineating forest vulnerability to drought using a process-based growth model	Cristina Valeriano	S
#50	11:12	11:24	Using dendroprovenance to trace the origin of instream wood at the watershed scale	Javier Gibaja del Hoyo	S
#51	11:24	11:36	Using bias analyses to improve tree-ring ecological data	Rubén D. Manzanedo	P
#52	11:36	11:48	Detrending tree rings in closed-canopy forests for climate and disturbance history reconstructions	Daniel Druckenbrod	P
#53	11:48	12:00	Using RCS and Signal Free RCS to preserve low frequency trends in tree-ring width and density chronologies	Inga Kirsten Homfeld	S
#54	12:00	12:12	Multi-proxy crossdating for chronology improvement	Philipp Römer	S
#55	12:12	12:24	QWA goes AI: towards a deep learning based version of ROXAS	Marc Katzenmaier	S
#56	12:24	12:36	Recording and measuring cambial activity and xylogenesis using XyloJ, a dedicated plugin for ImageJ/FIJI	Ignacio García-González	P

12th May (Friday)

Order	METHODS DEVELOPMENT SESSION			Author	P/S
	12:36	12:48	Discussion & summary. Moderator: Irina Panyushkina		
	12:48	14:00	Lunch		
	14:00	15:00	POSTER SESSION: Wood anatomy and cambial dynamics, Historical and fossil wood, Methods development, Blue intensity		
Order	BLUE INTENSITY SESSION			Author	P/S
#57	15:00	15:12	Using Elevational Transects to Explore Drivers of Divergence: A Scottish Case Study	Rob Wilson	P
#58	15:12	15:24	Does Divergence exist in white spruce tree-ring chronologies in the Yukon?	Emily Reid	S
#59	15:24	15:36	Delta-blue tree-ring chronologies of yellow pines (<i>Pinus jeffreyi</i> and <i>P. ponderosa</i>) in the Tahoe Basin of the Sierra Nevada, USA	Franco Biondi	P
#60	15:36	15:48	Using Blue Intensity on Drought-Stressed Pines <i>Sylvestris</i> from a Northern Swedish Site	Petter Stridbeck	S
#61	15:48	16:00	Impact of disturbance signature on ring width and blue intensity chronology structure and climatic signal in Carpathians Norway spruce	Yumei Jiang	S
#62	16:00	16:12	Blue light from dark flames. Evaluating the potential of subfossil oaks for Blue Intensity analysis	Manuel Broich	P
	16:12	16:30	Discussion & summary. Moderator: Rob Wilson		
	16:30	17:00	Closing		

TRACE 2023: CONFERENCE POSTER SESSIONS

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Qiufang	Qiufang Cai	P	Evaluation of the current status of precipitation in North China over the past two centuries from tree rings	1	Climate reconstruction	10th	1
Yu	Yu Liu	P	Recent anthropogenic curtailing of Yellow River runoff and sediment load is unprecedented over the past 500 years	1	Climate reconstruction	10th	2
Miyahara	Augusto Akio Lucchezi Miyahara	S	Intra-Annual Isotope Signatures In Tree-Rings For High-Resolution Climate And Physiology Reconstruction – A Systematic Review	1	Climate Reconstruction	10th	3
Kolář	Tomáš Kolář	P	Predicted sea-ice loss affects Arctic driftwood supply	2	Climate change	10th	4
Arizpe	Alexis Arizpe	P	Identifying deviant population responses across Europe from public repository data	2	Climate change	10th	5
Bosela	Michal Bosela	P	A multimodel approach exposed an enhanced beech growth in European mountains under climate change scenarios	2	Climate change	10th	6
Myśkow	Elżbieta Myśkow	P	The role of contemporary climate changes in the shaping of growth response and stability of spruce ecosystems in the Western Sudetes	2	Climate change	10th	7
Kašpar	Jakub Kašpar	P	Growth trends of the main Central European tree species	2	Climate change	10th	8
Tsvetanov	Nickolay Tsvetanov	P	Response of coniferous species to past extreme climate events	2	Climate change	10th	9
Roibu	Catalin-Constantin Roibu	P	An overview of extreme years in Quercus sp. tree-ring records from the northern Moldavian Plateau	2	Climate change	10th	10
Opała-Owczarek	Magdalena Opała-Owczarek	P	Extreme climate signals recorded in Icelandic shrub growth-ring chronologies: A multi-species approach in sub-Arctic climate	2	Climate change	10th	11
Maselli Locosselli	Giuliano Maselli Locosselli	P	Response Of Urban Trees To Extreme Drought Events	2	Climate change	10th	12
Ferdous	Zannatul Ferdous	S	The Interplay between Climate Change, Tree Defense, and Growth in Picea abies	2	Climate change	10th	13

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Reiter	Ernesto Juan Reiter	S	Recent climate warming differently affects dominant broadleaf and conifer species in northern Patagonian forests	2	Climate change	10th	14
Rudley	Danielle Rudley	S	Analysis of divergent trends in radial growth and functional traits in cork oak (<i>Quercus suber</i>)	2	Climate change	10th	15
Almagro Fernández-Tostado	David Almagro Fernández-Tostado	S	Intra-annual growth dynamics to global change of <i>Pinus sylvestris</i> and <i>Quercus pyrenaica</i> mixed forests in central Spain during the last decade	2	Climate change	10th	16
Niccoli	Francesco Niccoli	P	Climate change in the Mediterranean region promotes formation of intra-annual density fluctuations in <i>Pinus pinaster</i> Aiton influencing its growth and water use dynamics.	2	Climate change	10th	17
Begović	Krešimir Begović	S	Spatiotemporal changes in drought sensitivity captured by multiple tree-ring parameters of Central European conifers	2	Climate change	10th	18
Lange	Jelena Lange	S	White spruce under climate change - winter-spring water availability becomes more important for earlywood dimensions at treeline as temperatures rise	2	Climate change	10th	19
Zeoli	Lorna Zeoli	S	Assessing the growth response of silver birch to climate change through a combined tree-centered approach based on dendroecology, dendroanatomy and daily stem size variations monitoring	2	Climate change	10th	20
Cedro	Anna Cedro	P	A new species in dendrochronological research - <i>Prunus avium</i> L.	3	Ecology	10th	21
Lukac	Ljubica Lukac	S	Tree-ring chronology in the subalpine belt of the southeastern Dinaric Mountain of Austrian pine (<i>Pinus nigra</i> J.F. Arnold) and bosnian pine (<i>Pinus heldreichii</i> H. Christ)	3	Ecology	10th	22

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Matulewski	Paweł Matulewski	S	Radial growth comparison between <i>Pinus sylvestris</i> and <i>Juniperus</i> spp. shrubs from northern Scandinavia	3	Ecology	10th	23
Metāle	Madara Margita Metāle	P	<i>Betula nana</i> : tree ring chronologies at its southern range border	3	Ecology	10th	24
Owczarek	Piotr Owczarek	P	Dendrochronology of <i>Rhododendron myrtifolium</i> from the high alpine site in the Eastern Carpathians, Ukraine	3	Ecology	10th	25
Vērpēja	Vineta Vērpēja	S	"Tree ring" chronologies in perennial herbs from semi-natural grasslands in Latvia.	3	Ecology	10th	26
Prokopuk	Yulia Prokopuk	P	Scots pine growth and climatic sensitivity in Chernobyl exclusion zone	3	Ecology	10th	27
Obojes	Nikolaus Obojes	P	Climate-growth relations along an elevation gradient in the Italian Alps: additional insights from dendrometer data	3	Ecology	10th	28
Leifsson	Christopher Leifsson	S	Causes of non-stationarity in climate-growth relationships of basal area increments in <i>Fagus sylvatica</i> across Europe	3	Ecology	10th	29
Avakoudjo	Hospice Gérard Gracias Avakoudjo	P	Climate-growth relationship of spiny monkey-orange (<i>Strychnos spinosa</i> Lam.) from Benin	3	Ecology	10th	30
Basnet	Saroj Basnet	S	Assessment of the climate-growth responses of Norway spruce in the Tatra Mountains, Slovakia	3	Ecology	10th	31
Berlusconi	Caterina Berlusconi	P	Microsite effect on the climate sensitivity of Norway spruce in a karst landscape of the Franconian Jura	3	Ecology	10th	32
Jansone	Diāna Jansone	S	Complex effect of meteorological conditions on tree-ring width for horse chestnut <i>Aesculus hippocastanum</i> in a forest plantation in Latvia	3	Ecology	10th	33
Šenfeldr	Martin Šenfeldr	P	Climate-growth relationships of quaking aspen (<i>Populus tremuloides</i>) in Great Basin, western United States	3	Ecology	10th	34

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Tremł	Václav Tremł	P	Trends in changes of stem basal area between 1990 and 2015 across environmental gradients and five main tree species in Central Europe	3	Ecology	10th	35
Xiaoyu	Xiaoyu Feng	S	Development of Dendrochronology and its pace in China since 1990	3	Ecology	10th	36
Stirbu	Marian-Ionut	S	Climate response shift within the largest Pinus Cembra populations in Romania	3	Ecology	10th	37
Nurmisto	Anni Nurmisto	S	Analysing the ups and downs: The effect of local parameters on Norway spruce within and between plots.	3	Ecology	11th	1
Kunz	Marcel Kunz	S	Detecting and differentiating disturbance effects by integrating tree-ring width and density data	3	Ecology	11th	2
Martinez del Castillo	Eduarne Martinez del Castillo	P	The impact of temporarily suppressed trees in stand-wide climate signals	3	Ecology	11th	3
Tremł	Václav Tremł	P	Slope exposure effect on tree growth at treeline revisited	3	Ecology	11th	4
Zubizarreta	Irati Sanz Zubizarreta	S	Effects of the Itoitz dam (Navarre) on the growth of the dominant riparian tree species	3	Ecology	11th	5
Cailleret	Maxime Cailleret	P	A multi-indicator approach of drought impacts on Pinus halepensis growth in a long-term rainfall exclusion experiment	3	Ecology	11th	6
Mikhailov	Sergei Mikhailov	S	Comparing the effect of artificial drought and crown reduction on tree ring response in sessile oak and Norway spruce seedlings	3	Ecology	11th	7
Owczarek	Piotr Owczarek	P	The thicker active layer and extreme climatic conditions affect the growth of Salix helvetica in the highest site in the Alps (Gornergrat, Pennine Alps)	3	Ecology	11th	8
Vieira	Joana Vieira	P	Dry and hot years drive growth decline of Pinus halepensis at its southern range limit in the Moroccan High Atlas Mountains	3	Ecology	11th	9

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Metslaid	Sandra Metslaid	P	Drought response of silver birch (<i>Betula pendula</i> Roth) growing in northern latitudes	3	Ecology	11th	10
Reinig	Frederick Reinig	P	Imprints of volcanic degassing in tree rings at the Laacher See, Germany	3	Ecology	11th	11
Aryal	Sugam Aryal	S	Disentangling the different climatic responses of radial growth and $\delta^{18}O$ variations of evergreen and deciduous conifers in terms of the Southern Tibetan plateau	3	Ecology	11th	12
Charlet de Sauvage	Justine Charlet de Sauvage	P	Sensitivity of $\delta^{13}C$, $\delta^{18}O$ and δ^2H to vapor pressure deficit in silver fir and Douglas fir individuals experiencing different competition and species diversity	3	Ecology	11th	13
Portarena	Silvia Portarena	P	Dendroecological analyses for olive cultivar characterization	3	Ecology	11th	14
Schuler	Philipp Schuler	S	Unravel the metabolic drivers of $2H$ fractionation in plant carbohydrates to enable the triple isotope ($2H/18O/13C$) approach for tree-ring research	3	Ecology	11th	15
Lourenço	Ana Lourenço	P	Assesment of the relation between cellulose and lignin in the annual rings of <i>Pinus pinea</i> micro-cores – first results	3	Ecology	11th	16
Prendin	Angela Luisa Prendin	P	Unveiling willow biomass trends in ice-free Greenland through dendroecological and remote sensing time-series	3	Ecology	11th	17
REMOVED LAST MINUTE							18
Akulova	Vasilina Akulova	S	Genetic and environmental contributions to growth habit in Mugo pines	3	Ecology	11th	19
Matisons	Roberts Matisons	P	Silver birch – ecologically plastic, yet weather sensitive	3	Ecology	11th	20

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Matisons	Roberts Matisons	P	How plastic are the weather-growth responses of eastern Baltic Scots pine?	3	Ecology	11th	21
van den Maaten-Theunissen	Marieke van den Maaten-Theunissen	P	Intra-specific variation in the climate sensitivity of tree growth - comparing European beech provenances along an environmental gradient	3	Ecology	11th	22
Boonen	Katrien Boonen	S	Mercury in tree rings of five species	4	Forest Health	11th	23
Cuciurean	Cosmin Ilie Cuciurean	S	Effects of industrial activity and air pollution on beech trees in Transylvania, Romania	4	Forest Health	11th	24
Frigo	Davide Frigo	S	Tracing volcanic eruptions and anthropogenic pollution in tree rings: preliminary results from Hg and synchrotron-light chemical analyses	4	Forest Health	11th	25
Sidor	Cristian Sidor	P	Growth and development of sessile oak trees affected by local industrial pollution in Copșa Mică	4	Forest Health	11th	26
Balov	Valentin Balov	S	Tree-ring responses after disturbances in three beech reserves in Bulgaria	4	Forest Health	11th	27
Castagneri	Daniele Castagneri	P	Variable influence of competition on tree growth response to drought. There are no simple recipes for forest management	4	Forest Health	11th	28
Liepiņa	Agnese Anta Liepiņa	S	Thinning induced changes in Quercus robur radial growth in mixed stands	4	Forest Health	11th	29
Tonelli	Enrico Tonelli	P	Thinning improves growth and resilience after severe droughts in Quercus subpyrenaica coppice forests in the Spanish Pre-Pyrenees	4	Forest Health	11th	30
Puchi	Paulina F. Puchi	P	Different climate conditions trigger variations in gross primary productivity and carbon biomass accumulation in two conifer stands in Canada	4	Forest Health	11th	31
Rezaie	Negar Rezaie	P	Upside down and the game of Carbon allocation	4	Forest Health	11th	32
Schneider	Lea Schneider	P	Impacts of the trophic cascade via avian predators on tree growth in temperate beech and oak forests	4	Forest Health	11th	33

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Hereş	Ana-Maria Hereş	P	Drought resilience and ecological value of coexisting planted silver fir, Norway spruce and Douglas fir trees	4	Forest Health	11th	34
Mašek	Jiří Mašek	S	Responses of stem and leaf biomass of temperate conifers to drought spells	4	Forest Health	11th	35
Popa	Andrei Popa	S	Norway spruce forest from Eastern Europe under threat? Early warning signals captured in tree rings	4	Forest Health	11th	36
Tsalagkas	Dimitrios Tsalagkas	S	The effect of a dry growing period on the seasonal dynamics of European beech and Norway spruce in the South Moravia region, Czech Republic.	4	Forest Health	11th	37
van der Maaten	Ernst van der Maaten	P	Long-term growth decline is not reflected in crown vitality status of European beech after drought	4	Forest Health	11th	38
Žmegač	Anja Žmegač	S	To die or not to die - A tree-ring based assessment of predisposition to drought-induced mortality in European beech	4	Forest Health	11th	39
Ziaco	Emanuele Ziaco	P	Dendroanatomical monitoring of plane trees (<i>Platanus x hispanica</i>) in the city center of Mainz, Germany	5	Wood anatomy and cambial dynamics	12th	1
Nwonu	Emeka Vitalis Nwonu	S	Xylem anatomy as a new tool to investigate the associations between climate, carbon uptake and biomass growth. First analyses in a Norway spruce forest in the Italian Alps	5	Wood anatomy and cambial dynamics	12th	2
Bräuning	Achim Bräuning	P	Growth dynamics of different tree functional types in the Laipuna tropical dry forest	5	Wood anatomy and cambial dynamics	12th	3
Dubra	Stefānija Dubra	P	Formation of wood rays in Scots pine based on tree canopy status under hemiboreal conditions.	5	Wood anatomy and cambial dynamics	12th	4
Romero	Eunice Romero	P	Quantitative wood anatomy considering compression wood of Norway spruce (<i>Picea abies</i>) treeline seedlings and branches	5	Wood anatomy and cambial dynamics	12th	5

Last name	Full name	P/S	Title	#session	Session name	Day	#Poster
Guzmán-Marín	Rosario Guzmán-Marín	S	Wood anatomy along the Andes, a latitudinal gradient study on <i>Nothofagus dombeyi</i> (Mirb.) Oerst	5	Wood anatomy and cambial dynamics	12th	6
Pandey	Krishna Prasad Pandey	S	Climatic influence on tree growth and wood anatomical parameters of <i>Abies spectabilis</i> species of the Central Himalaya, Nepal	5	Wood anatomy and cambial dynamics	12th	7
Ziaco	Emanuele Ziaco	P	Xylem functional traits driving tree growth and climate sensitivity in sessile oak (<i>Quercus petraea</i>) at its southernmost distribution limits.	5	Wood anatomy and cambial dynamics	12th	8
Basu	Soham Basu	S	Anatomical response of South Moravian floodplain forest to groundwater alteration and drought	5	Wood anatomy and cambial dynamics	12th	9
Hirsch	Mareike Hirsch	P	How do the interactions of drought, late frost and masting affect stem wood anatomy and diameter growth in European beech?	5	Wood anatomy and cambial dynamics	12th	10
Tonelli	Enrico Tonelli	P	How late spring frosts affect tree-ring growth and wood anatomical traits of European beech in Mediterranean mountain forests?	5	Wood anatomy and cambial dynamics	12th	11
Kašpar	Jakub Kašpar	P	The imprinting of windstorm in tree anatomy	5	Wood anatomy and cambial dynamics	12th	12
Gryc	Vladimír Gryc	P	Effect of thinning treatment on xylogenesis and phloemogenesis in young pure Norway spruce plantations - A case study from the Czech Republic	5	Wood anatomy and cambial dynamics	12th	13
Broich	Manuel Broich	P	An exceptional roman well from a Villa Rustica at Kerpen-Manheim, Western Germany	6	Historical and fossil wood	12th	14
Andonova-Katsarski	Mila Andonova-Katsarski	P	The archaeological plant macro-remains of Serdica during the Late Antiquity: a case study from 35 Exarch Joseph Str. (Sofia, Bulgaria)	6	Historical and fossil wood	12th	15
Elzanowska	Anna Elzanowska	S	A tale of an orthodox church in a remote mountain village in Epirus, NW Greece	6	Historical and fossil wood	12th	16

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Rybníček	Michal Rybníček	P	Dendrochronological database as an indicator of historical wood utilization and building activity in the Czech lands over the period 1400–1900	6	Historical and fossil wood	12th	17
Čufar	Katarina Čufar	P	Critical steps in dendrochronological analysis of musical instruments and other historical objects	6	Historical and fossil wood	12th	18
Opała-Owczarek	Magdalena Opała-Owczarek	P	What can we learn from historical herbarium sheets? A preliminary dendrochronological study from the Arctic collections	6	Historical and fossil wood	12th	19
Panyushkina	Irina Panyushkina	P	Assessment of arctic warming impact on Siberian hydrology using online tool TRISH: Tree-Ring Integrated System for Hydrology	7	Methods development	12th	20
Adikurnia	Ignatius Kristia Adikurnia	S	Monitoring wood phenology with band dendrometers: opportunities and pitfalls	7	Methods development	12th	21
Castells	Xavier Castells	P	Back to the wood: Cross-dating difficulties of <i>Betula pendula</i> tree-rings from the Spanish Pyrenees. When establishing the chronologies of the rings becomes a complex and laborious process	7	Methods development	12th	22
Dixon	Elisabetta Dixon	S	Radiocarbon dating single tree-rings for annual precision records of environmental change.	7	Methods development	12th	23
Van den Bulcke	Jan Van den Bulcke	P	X-ray CT scanning for dendro research: examples from the UGent X-ray CT Core Facility (UGCT)	7	Methods development	12th	24
Boeschoten	Laura Boeschoten	S	Combining scientific methods for origin verification of timber: does accuracy increase when wood chemistry and genetics are integrated?	7	Methods development	12th	25
Dorado-Liñán	Isabel Dorado-Liñán	P	National-wide Bayesian fusion of tree-ring and National Forest Inventory data in South-Western Europe	7	Methods development	12th	26
Popa	Ionel Popa	P	Exploring non-linearity in Norway Spruce dendroclimatic models in Eastern Carpathians (Romania)	7	Methods development	12th	27

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García-Hidalgo	Miguel García-Hidalgo	P	Open-Source Solutions for High-Resolution Spectral Analysis of wood using CaptuRING	7	Methods development	12th	28
Lozhkin	Grigory Lozhkin	S	A Python package implementing Direct Reconstruction Technique (DIRECT) for dendroclimatological studies.	7	Methods development	12th	29
Nelle	Oliver Nelle	P	dd+ - A new dendro software for large data sets and for institutions with archives	7	Methods development	12th	30
Poláček	Miroslav Poláček	P	Generalization capability of deep learning based automatic tree-ring detection and measurement	7	Methods development	12th	31
Dolgova	Ekaterina Dolgova	P	Developing of a long Blue Intensity based conifer chronology for the Solovetsky Archipelago (Russia)	8	Blue intensity	12th	32
Matskovsky	Vladimir	P	Optimal window parameters in CooRecorder for measuring Blue Intensity of conifer tree rings along a latitudinal gradient in European Russia	8	Blue intensity	12th	33
Wilson	Rob Wilson	P	Variance Optimised Delta Blue Intensity	8	Blue intensity	12th	34