

## PROGRAM

WEDNESDAY, APRIL 19

SALA MATTARELLA – PALAZZO DEI NORMANNI

12.00 – 13.30 Registration

13.30 – 14.00 Opening Ceremony

14.00 – 14.30 **Conceptual Introduction Lecture: Andreas Bolte**, Palle Madsen, Mercy Afua Adutwumwaa Derkyi, John A. Stanturf - *“Forest adaptation and restoration under global change - concept and status of an IUFRO Task Force”*

**Symposium 1** - Forest restoration in Mediterranean climates (Europe/other continents)

Chair : *Andreas Bolte*

14.30 – 14.55 **Veronica Loewe Munoz**, Gerardo Vadevenito, Manuel Acevedo, Marta Gonzalez, Susanna Benedetti, Eduardo Cartes, Ivan Quiroz - *“Successful experiences of restoration of Mediterranean forests restoration in Chile, South America”*

14.55 – 15.20 **Roberto Mercurio** - *“Forest degradation, conservation and restoration in the Mediterranean Basin”*

15.20 – 15.35 **Bernard Prévosto**, Jordane Gavinet, Catherine Fernandez: *Increasing diversity and resilience of Aleppo pine stands: thinning and introducing hardwood species.*

15.35 – 15.50 **Gianniantonio Domina**, Francesco Maria Raimondo, Sebastiano Ciccarello: *Sustainable forest restoration of degraded relict forests in Sicily.*

15.50 – 16.05 **Marta Puglisi**, Patrizia Campisi, Maria Privitera, Maria Giovanna Dia, Giovanni Spampinato: *Bryophytes as ecological indicators in the beech woods of Sicily.*

**Symposium 1** - Forest restoration in Mediterranean climates (Europe/other continents)

Chair : *Orazio Ciancio*

16.05 – 16.30 **Marco Marchetti** – *“Current processes affecting forests and challenges for forestry in Mediterranean area”*

16.30-16.55 **Leonor Calvo**, Elena Marcos, Victor Fernandez-Garcia, Jose Manuel Fernandez-Guisuraga, Susana Suarez-Seoane – *“Resilience in Mediterranean pine forest after recurrent wildfires: new tools to identify the role of restoration”*

16.55 – 17.10 **Giovanni Quilghini**, Alessandro Bottacci: *Forest restoration in Tuscany: from the mountain to the sea.*

17.10 – 17.25 **Fulvio Ducci**, Roberta Proietti, Giovanbattista De Dato, Maria Cristina Monteverdi, Piero Belletti, Enrico Calvo: *Restoring oak populations: a study case of applied assisted migration applied on Quercus robur [Po valley, Italy].*

17.25 – 17.40 **Filippos Bantis**, **Kalliopi Radoglou**, Wolfgang Brüggemann: *Differences in ecophysiological responses to seasonal drought of three co-existing oaks in Northern Greece.*

- 17.40 – 17.55 Giovanni Spampinato, Rita Crisarà, Piergiorgio Cameriere, Carmelo Maria Musarella: *Phytotoponyms a tool to forest landscape analysis and its transformations. The case study of Calabria (Southern Italy).*
- 17.55 – 18.10 Leonardo Nocentini, Massimiliano Tancredi Hajny: *Experiences on good standard density restoration in oak coppices.*

**18.10 – 21.00 Welcome Reception –Piazza Bologna “I Cucci - Bistrorante”**

**THURSDAY, APRIL 20**

**SALA MARTORANA – PALAZZO COMITINI**

**08.30 – 09.00 Registration– Poster session**

**Symposium 1 - Forest restoration in Mediterranean climates (Europe/other continents)**

*Chair : Donato Chiatante*

- 09.00 – 09.25 **Jordi Cortina**, Alejandro Acebal, Antonio Aledo, Andreu Bonet, German Lopez, Guadalupe Ortiz - *“Prioritization of restoration actions at a regional scale”*
- 09.25 – 09.50 **Derya Esen**, Oktay Yildiz - *“Forest restoration in the Mediterranean region of Turkey”*
- 09.50 – 10.05 Franco Palla, Francesco Maria Raimondo, Anna Scialabba: *Conservation of forest biodiversity in Sicily: contribution of the University of Palermo Germplasm Bank (Italy).*
- 10.05 – 10.20 Yassina Amirat, Fazia Krouchi, Nadia Abdelkrim, Francois Lefevre, Arezki Derridj, *Atlas cedar regeneration and structure at forest edges (Djurdjura north-westerner, Algeria): role of microsite and anthropogenic disturbance.*
- 10.20 – 10.35 Vera Lavadinovic, Vasilije Isajev, Ljubinko Rakonjac, Zoran Poduška: *The importance of bioecological characteristics of white-bark pine (Pinus heldreichii) for the target seedling production.*
- 10.35 – 10.50 Federico Guglielmo Maetzke, Donato Salvatore La Mela Veca, Tommaso La Mantia, Emilio Badalamenti, Sebastiano Sferlazza: *The use of species in plantations renaturalisation and reforestation in Sicily.*
- 10.50 – 11.05 Patrizia Campisi, Maria Giovanna Dia, Francesco Maria Raimondo, Giuseppe Venturella, Maria Letizia Gargano: *The role of phanerogams and cryptogams in the recolonization of cork oak forests crossed by wildfire in Sicily.*
- 11.05 – 11.20 Idir Guechoud, Fazia Krouchi, Federico Vessella, Arezki Derridj: *Analysis of Yew (Taxus baccata) participation to structural features of Atlas cedar forest stands at Chrea (Algeria).*

**11.20 – 11.45 Coffee Break – Poster Session**

**Symposium 2** - Scientific and technological advancements for a sustainable forest restoration  
 Chair : *John Stanturf*

- 11.45 – 12.10 **Woodam Chung**, Enrico Marchi - *“Adaptation measures for sustainable forest operations”*
- 12.10 – 12.25 **Corrado Battisti**, Alessandro Zocchi: *Selecting surrogate species to improve experience of forest ecosystems in youngest nature-disconnected generations: a framework to select Experiential Key Species.*
- 12.25 – 12.40 **Abdelkader Bouahmed**, Federico Vessella, Fazia Krouchi, Bartolomeo Schirone, Arezki Derridj: *Predicting the current and future potential distributions of *Cerinus atlantica* in North Africa using Maxent.*
- 12.40 – 12.55 **Veronica De Micco**, Angela Balzano, Enrica Zalloni, Giovanna Aronne, Katarina Čufar, Paolo Cherubini, Giovanna Battipaglia: *Wood responses to drought in Mediterranean forests: evidences from xylogenesis and functional wood traits in tree-ring series.*
- 12.55 – 13.10 **Barbara Mariotti**, Martina Cambi, Fabio Fabiano, Alberto Maltoni, Andrea Tani, Enrico Marchi: *Effect of soil compaction on early growth of *Quercus robur* seedlings since germination.*

**13.10 – 14.15 Lunch – Poster session**

**Symposium 2** - Scientific and technological advancements for a sustainable forest restoration  
 Chair : *Palle Madsen*

- 14.15 – 14.40 **Vladan Ivetic**, Jovana Devetakovic - *“Concerns and evidences on genetic diversity in planted forests”*
- 14.40 – 15.05 **Gianluca Piovesan**, Alfredo Di Filippo, Goffredo Filibeck, Irene Tunno, Scott Mensing - *“The contribution of historical ecology to functional restoration: case studies from Apennines forests ”*
- 15.05 – 15.20 **Federico Vessella**, Javier López-Tirado, Bartolomeo Schirone: *Moving towards a definitive high-resolution map of cork oak in the Mediterranean Basin to restoration purposes.*
- 15.20 – 15.35 **Giovanna Battipaglia**, Paolo Cherubini, Veronica De Micco: *Responses of water use efficiency to drought in Mediterranean forests: evidences from stable isotopes.*
- 15.35 – 15.50 **Maria Letizia Gargano**, Giuseppe Venturella: *Mycoforestry in Sicily: a proposal to enhance the multifunctionality of forests.*
- 15.50 – 16.05 **Antonio Montagnoli**, Mattia Terzaghi, Gabriella Stefania Scippa, Donato Chiatante: *Adaptation and restoration of Mediterranean forests: the role of the hidden half.*
- 16.05 – 16.20 **Maria Raffaella Ortolani**, Massimiliano Marani, Avra Schirone, Gabriele Camillotti, Giampiero Ciaschetti, Teodoro Andrisano: *New approach of*

*aerial seeding to restore Mediterranean mountains: a case of study in Parco Nazionale della Majella (Abruzzi, Italy).*

**16.20 – 17.00 Coffee Break– Poster session**

**Symposium 2** - Scientific and technological advancements for a sustainable forest restoration  
Chair : *Vladan Ivetic*

17.00 – 17.25 **Kalliopi Radoglou** -*“Nursery production of wide variety forestry seedlings in order to enhance the biodiversity and the regeneration success in forest restoration”*

17.25 – 17.40 **Camilla Wellstein, Francesco Spada**: *Florogenetic origin explains forest resprouting capacity across topographical gradients in peninsular Italy.*

17.40 – 17.55 **Mika Yoshida, Rin Sakurai, Hideo Sakai**: *Forest road planning and maintenance under climate change.*

17.55 – 18.10 **Tatiana Marras, Camilla Wellstein, Domenico Ragno, Agnese Allegrini, Bartolomeo Schirone**: *The use of multipurpose species in forest landscape restoration. The case of Salento (Apulia, Italy).*

18.10 – 18.25 **Ugo Chiavetta, Gianluigi Mazza, Nicolò Camarretta, Paolo Cantiani, Isabella De Meo, Alessandro Paletto, Alessandra Lagomarsino**: *Use of terrestrial laser scanner to monitor structural and biometrical variables in degraded peri-urban forests.*

**18.25 – 20.30 Round Table “Mediterranean forests: Guidelines for adaptive measures”**

Chairs: *Orazio Ciancio and Francesco Maria Raimondo*

**20.30 Buffet dinner at Palazzo Sant’Elia**

**FRIDAY, APRIL 21**

**SALA DELLE LAPIDI – PALAZZO DELLE AQUILE**

**08.30 – 09.00 Registration**

**Symposium 3** - Political, social, and economical implications related to forest restoration activities

Chair : *Kalliopi Radoglou*

09.00 – 09.25 **Davide Pettenella, Lorenzo Ciccarese, Aynur Mammadova, Caroline Sartorato** – *“Formal commitments on Zero forest degradation and on deforestation-free supply chain: an effective mean of forest protection?”*

09.25 – 09.50 **Eduardo Rojas Briaies** - *“Opportunities for forest landscape restoration especially in dry lands”*

09.50– 10.05 Irene Koutseri, Anna Logotheti, Vassiliki Roumeliotou: *Grazing as a conservation tool for priority habitat types in Prespa National Park and the case study of \*9562 - Grecian Juniper Woods: philosophy, implications and opportunities*

**Symposium 4** - Forest restoration, landscape management, and ecosystem services

Chair : Catherine Collet

10.05 – 10.30 **John A. Stanturf** - *“Anticipating climate change and transforming degraded forests: The billion hectare challenge”*.

10.30 – 10.55 **Orazio La Marca**, Monica Notarangelo, Nicola Moretti - **Italy** - *“On the forest restoration times”*

10.55 – 11.10 Alessandra Lagomarsino, Kalliopi Radoglou, Fotini Doukalianou, Alessandro Elio Agnelli, Gianluigi Mazza, Ugo Chiavetta, Isabella De Meo, Michail Orfanoudakis: *Monitoring of soil carbon and nitrogen cycling in degraded forest after thinning intervention for ecosystem restoration and climate change mitigation.*

11.10 – 11.25 Giuseppe Pignatti, Gianni Facciotto, Giulio Sperandio, Stefano Verani: *Eucalyptus plantations in Italy and forest rehabilitation: the way towards a sustainable management.*

11.25 – 14.30 **Visit to the Botanical Garden and Lunch**

**SALA DELLE LAPIDI – PALAZZO DELLE AQUILE**

**Symposium 4** - Forest restoration, landscape management, and ecosystem services

Chair : Catherine Collet

14.30 – 14.55 **Palle Madsen**, Khosro Sagheb-Talebi, Ole Kim Hansen - *“A new collaborative project on the Caspian forests of Iran: A gene pool for the adaptation of European forests?”*

14.55 – 15.20 **Lorenzo Ciccarese**, Davide Pettenella - *“From afforestation and reforestation to forestation, from goods to services. How science and society can shape the transition”*

15.20 – 15.35 Renzo Motta, Roberta Berretti, Pierpaolo Brenta, Fabio Meloni, Antonio Nosenzo, Pier Giorgio Terzuolo, Giorgio Vacchiano: *Restoration and sustainable management of beech (Fagus sylvatica) stored coppices in North Western Italy.*

15.35 – 15.50 Mohamed Fennane, Francesco Maria Raimondo, Mohamed Rejdali: *Conservation of the biodiversity and sustainable restoration of cork oak Maamora forest (Morocco)*

15.50 – 16.05 Martina Cambi, Francesca Giannetti, Davide Travaglini, G.herardo Chirici, Enrico Marchi: *Assessing forest logging soils disturbance by multi-temporal analysis of ground high resolution model derived by Portable Laser Scanner and physical parameters sampling.*

**Symposium 4 - Forest restoration, landscape management, and ecosystem services**Chair : *Francesco Spada*

- 16.05 – 16.30 **Catherine Collet**, Claudine Richter, Erwin Ulrich, Marieke Blondet -  
*"Innovating forest plantation practices: science, technical development and  
 • knowledge exchange"*
- 16.30 – 16.45 **Francesco Spada**: *Geobotanical foundations and diversity patterns in  
 the Mediterranean forests.*
- 16.45 – 17.00 **Magda Bou Dagher Kharat**, Marine Lovero, Valentine Pleiss, Pedro  
 Regato Pajares, Alain Chaudron: *MEDFORVAL, the Mediterranean network of  
 forested areas of high ecological value: restoration, protection or management of  
 woodlands sites.*
- 17.00 – 17.15 **Rafael Da Silveira Bueno**, Daniel Garcia, Mauro Galetti, Tommaso La  
 Mantia: *Spatio-temporal patterns and drivers of secondary succession in a  
 Mediterranean landscape.*
- 17.15 – 17.30 **Cristina Salmeri**, Francesco Maria Raimondo, Gianniantonio  
 Domina: *The contribution of forest restoration to the conservation of woody  
 endangered species in Sicily.*
- 17.30 – 17.45 **Dusan Danilo Jokanovic**, Dragica Milan Vilotic, Vesna Milan Nikolic,  
 Dragica Stankovic: *Radial increment of Taxodium distichum from Veliko ratno ostrvo  
 area (Belgrade-Serbia) at two different heights of the trunk.*
- 17.45 – 18.00 **Valeria Tomaselli**, Giuseppe Veronico, Cristina Tarantino, Palma  
 Blonda: *Mapping and monitoring in protected natural areas: the use of the FAO  
 LCCS as an effective tool for habitat mapping and change detection.*

**Symposium 4 - Forest restoration, landscape management, and ecosystem services**Chair : *Bartolomeo Schirone*

- 18.00 – 18.15 **Roberto Greco**, Maria Immacolata Marzulli, Manuela Persia, Patrizia  
 Tartarino: *Changes of forest communities surface in the Murge of Taranto (Puglia -  
 Southern Italy) in the last 60 years.*
- 18.15 – 18.30 **Javier López-Tirado**, Federico Vessella, Pablo J. Hidalgo: *Quercus suber  
 in the Iberian Peninsula: ecological characteristics and cork exploitation.*
- 18.30 – 18.45 **Said Lahssini**, Mustapha Naggar, Said Moukrim: *Toward sustainable  
 forest management in Morocco: restoration, certification and regional program  
 as cases.*
- 18.45 – 19.00 **Pietro Minissale**, **Saverio Sciandrello**: *The coastal communities of  
 Junipers in Sicily: conservation status and perspectives of management and  
 restoration.*

**19.00 – 20.00 Closing Ceremony**

**POSTER SESSION****THURSDAY, APRIL 20 - FRIDAY, APRIL 21****SALA MARTORANA - PALAZZO COMITINI**

- 1 Anna Dinella, Ingo Heinrich, Alfredo Di Filippo, Michele Baliva, Aldo Schettino, Giuseppe De Vivo, Gianluca Piovesan: *The longevity and resilience of Pinus leucodermis Antoine: a long tree-ring chronology to investigate the Mediterranean climate.*
- 2 Carmelo Maria Musarella, Ana Cano Ortiz, José Carlos Piñar Fuentes, Sara Del Río, Carlos José Pinto Gomes, Giovanni Spampinato, Eusebio Cano: *Analysis vegetation of Juniperus oxycedrus subsp. badia microforests in the Iberian Peninsula: increasing their knowledge for a better restoration.*
- 3 Tommaso La Mantia, Donato Salvatore La Mela Veca, Giulia Casamento, Angelo Dimarca, Giuseppe Giaramida, Giovanni Landini, Giuseppe Pace, Rafael Da Silveira Bueno: *Strategies for the re-naturalization of reforestation: the case study of the Sicilian clay hills.*
- 4 Vasilije Isajev, Milan Mataruga, Rakonjac Ljubinko, Vera Lavadinovic, Aleksandar Lucic: *Genetic variability of Austrian pine (Pinus nigra) seedlings in response to water deficit and its importance to reforestation in arid terrain.*
- 5 Aurelio Angelini, Francesco Cancellieri, Renato Carella, Giuseppe Lo Paro, Vincenzo Piccione, Francesco Maria Raimondo, Salvatore Scuto: *In defence of biodiversity and Mediterranean landscape: the "Carta dei Comuni custodi della macchia mediterranea".*
- 6 Emilio Badalamenti, Olimpia Campo, Rafael Da Silveira Bueno, Martina Gallo, Donato Salvatore La Mela Veca, Salvatore Pasta, Giovanna Sala, Tommaso La Mantia: *Vegetation dynamics within afforested coastal areas: regeneration by native species or invasion by alien species?*
- 7 Jovana Devetakovic, Vladan Ivetic, Mirjana Sijacic-Nikolic, Jelena M Aleksic: *Nuclear and chloroplast variability of Ulmus laevis populations near Belgrade (Serbia): prospects for conservation.*
- 8 Marina Nonic, Mirjana Sijacic-Nikolic: *Production of European beech cultivars by grafting on different rootstocks.*
- 9 Markus Hoehl, Andreas Bolte: *Online survey on forest adaptation and restoration under global change - An approach to gathering expert knowledge and local experiences worldwide.*
- 10 Giorgos Varsamis, Petros Kakouros, Annita Logotheti, Theodora Merou: *Is the use of seeds for the restoration of the Grecian juniper wood (Juniperus excelsa) stands in the Prespa National Park a good practice?*
- 11 Rachid Meddour, Radia Larbi, Ouahiba Meddour-Sahar: *Dynamics and vulnerability of a mountain forest ecosystem: case of the cedar forest of Tikjda (Djurdjura National Park, Algeria)*
- 12 Sara Martelletti, Fabio Meloni, Renzo Motta, Michele Lonati, Marco Pittarello, Michele Freppaz, Andrea Paone, Massimiliano Ferrarato, Antonio Nosenzo: *Effects*

- of soil and plant species competition on sward restoration and plantations eight years after restoration*
- 13 Saverio Sciandrello, Salvatore Brullo, Pietro Minissale, Carlo Prato, Giovanni Signorello, Giovanni Spampinato, Gianpietro Giusso Del Galdo: *Woodlands of Sicily: biodiversity, conservation and future perspectives*
  - 14 Tommaso La Mantia, Mario Azzarello, Emilio Badalamenti, Angelo Dimarca, Domenico Fontana, Daniele Gucciardo, Salvatore Livreri Console, Elena Prazzi, Salvatore Tirrito, Paola Quatrini: *Restoration practices in Mediterranean habitats using native woody species*
  - 15 Teodoro Andrisano: *The forest portal of Majella National Park*.
  - 16 Nadia Abdelkrim, Fazia Krouchi, Yassina Amirat, Francois Lefevre, Djaffer Aitsidhoum, Federico Vessella, Arezki Derridj: *Synchronized masting across Atlas cedar forest patches of the Djurdjura*.
  - 17 Paolo Cantiani, Isabella De Meo, Alessandra Lagomarsino, Maurizio Marchi, Alessandro Paletto: *Analysis of the influence of the silvicultural treatments on ecosystem services in black pine (Pinus nigra) stands in Central Italy*.
  - 18 Elisa Bianchetto, Paolo Cantiani, Ugo Chiavetta, Isabella De Meo, Alessandra Lagomarsino, Alessandro Paletto, Stefano Mocali, Silvia Landi, Elena Salerni: *The role of forest management practices to increase the provision of forest ecosystem services: the experiences of two LIFE projects in Central Italy*.
  - 19 Pietro Mazzola, Francesco Maria Raimondo, Vivienne Spadaro: *Protection and conservation of the manna ash landscape in Sicily*.
  - 20 Francesco Maria Raimondo, Filippo Scafidi, Emilio Di Gristina: *Sustainable use of Mediterranean forest resources: the collection and recycling of cork stoppers*.
  - 21 Riccardo Boschetto, Carmela Cascone, Lorenzo Ciccicarese, Piera Pellegrino, Valerio Silli: *Forest restoration for disaster risk reduction. Success stories in Italy*.
  - 22 Giuseppe Modica, Angelo Merlino, Francesco Solano: *Sentinel-2 imagery for mapping Cork oak (Quercus suber) distribution in Calabria (Italy): capabilities and quantitative estimation for forest restoration activities*.
  - 23 Ignazio Camarda, Antonello Brunu, Luisa Carta, Gabriella Vacca, Giuseppe Brundu: *Main types of forest, macchia and garigues of Sardinian island*.
  - 24 Anna Maria Mercuri, Assunta Florenzano, Paola Torri: *Environment, human impact and the role of trees on the Po plain during the Middle and Recent Bronze Age: Pollen evidence from the Terramara of Santa Rosa di Poviglio (SUCCESSO-TERRA)*.