

# **World Forum on Urban Forests**

**Mantova**

**27/11 —**

**01/12/2018**



# Welcome!

## Organizers



## Under the auspices of



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Once more Mantova's will is to be a capital again. Little and splendid, it still feeds its ambition to be at the center of the world stage. And once on the stage what to talk about if not climate change? Cities must pick up the decisive struggle for the planet sustainability. Trees make cities prettier, safer and fairer. For these reasons we have invested like no one else before on urban green and we put ourselves forward to host the first world forum on urban forests. I'm sure the First World Forum on Urban Forests will be positive point of non return and a crucial stage in the relationship between the green areas and the cities that host them.

**Mattia Palazzi**

Mayor of Mantova

On behalf of the Food and Agriculture Organization of the United Nations (FAO), I welcome you to the First World Forum on Urban Forests. As we all know, growing urbanization presents many challenges for cities today and in the future. Forests, trees and green spaces are key to make cities liveable places and improve the health and well-being of urban communities. I am confident that the experts gathering at this Forum will demonstrate these benefits and help identify ways forward to make cities better places to live.

**Hirotō Mitsugi**

Assistant Director / General, Forestry Department, FAO

On behalf of Politecnico di Milano we welcome you to the First World Forum on Urban Forests. As the liveability of our cities is increasingly threatened, it is urgent to design efficient strategies and practices to steer the ongoing transformations. This challenge can only be faced through the constant and constructive dialogue among the involved institutions. In this scenario, University plays a fundamental role through research, as a driving force for sustainable innovation, and the education of young generations on these objectives.

**Prof. Emilio Faroldi**

Vice Rector

**Prof. Federico Bucci**

Vice Rector for Mantova Campus

On behalf of the Italian Society of Silviculture and Forest Ecology (SISEF), I would like welcome all of you, scientists and experts, to the First World Forum on Urban Forests. Men and cities need forests and trees now and they will need them even more in the future, as they have needed them since the beginning of human societies. Urban Forests host an amazing variety of research and innovation and the Forum will let the World hear the voices of researchers talking with the community on how to promote a better life and a more resilient environment both in cities and in the Planet.

**Marco Marchetti**

President of the Italian Society of Silviculture and Forest Ecology - SISEF



# Welcome!

The first edition of World Forum on Urban Forests is going to be an opportunity of exchange, debate and dialogue about the crucial theme of bringing nature and forests at the center of contemporary cities. All cities of the world, main responsible for CO2 presence in the atmosphere, have today the occasion to become main actors of a big project of inversion of climate change: taking into consideration that forests and woods absorb more or less 40% of global CO2, bringing forests into the cities means fighting the enemy on his own battle field. Urban forestry, meant as exponential growth of green and wooden surfaces in urban e peri-urban areas of worldwide metropolis, is today one of the most effective strategies to reduce the catastrophic effects of climate change and to shape a better future for the generations that will inhabit the Earth in the decades to come.

## Stefano Boeri

Co-chair of the WFUF Scientific Committee,  
architect and Full Professor at Politecnico di Milano  
and Tongji University in Shanghai

I welcome all of you, colleagues from around the world, to the very first World Forum on Urban Forests. The past decades have seen the rapid growth of Urban Forestry as an interdisciplinary field of research and practice. This Forum is a true milestone event, not in the least because of its global focus and the wide variety of disciplines and backgrounds represented by the delegates. Urban Forestry has been making great strides as of late, and the Forum provides an excellent platform for celebrating our successes and preparing for next steps in contributing to healthy, resilient and vibrant cities.

## Cecil Konijnendijk

Co-chair of the Scientific Committee and Professor  
of Urban Forestry at the University of British Columbia



# 27

Tuesday / November

## PRE-CONFERENCE YOUTH EVENT

**08.15 – 08.45** Politecnico di Milano - Polo Territoriale  
di Mantova / via Scarsellini 15 / Aula A.O.1

### Registration

**08.45 – 09.00** Politecnico / Aula A.O.1

### Welcoming session by the Youth Organizers

(IFSA, ELASA, AUSF Italia and FAO)

**09.00 – 09.45** Politecnico / Aula A.O.1

### Youth Entrepreneurs presentations

three youth speakers: **Lida Aljabar** (US) /  
**Alessandro Leonardi** (Italy) / **Abdallah Tawfic** (Egypt)

**09.45 – 10.15** Politecnico

### Interactive Coffee Break

**10.15 – 11.00** Politecnico / Aula A.O.1

### Introduction to the Dragons' den Workshop

The Youth Organizers will present the Dragons' den dynamic  
and the participants will be divided in 9 groups

**11.00 – 12.30** Politecnico / Aula A.O.1

### Working session

Groups' time to work on their challenges

**12.30 – 13.30** Politecnico

### Lunch break

**13.30 – 15.30** Politecnico / Aula A.O.1

### Working session

Groups' time to work on their challenges

**15.30 – 16.00** Politecnico

### Interactive Coffee Break - Open Experiences Exchange

**16.00 – 17.15** Politecnico / Aula A.O.1

### Pitching

Groups' time to present their projects and the best three  
will be selected to face the dragons at the Youth Special Session  
on the Day "The Future"

**17.15 – 18.00** Politecnico / Aula A.O.1

### Conclusion of the day

Wrap up session by the Youth Organizers and selection  
of the Youth speakers: for the High – level panel session

## PUBLIC EVENTS

**9.00 – 18.00** Politecnico

Exhibition

### Un tesoro di suolo: dal degrado urbano alla città circolare

curated by S.O.S. 4 LIFE

**9.00 – 20.00** FUM / Casa Gialla

Photo exhibition

### Cambiare la natura delle città. Storie, cifre, notizie e nomi delle foreste urbane e periurbane in Lombardia

curated by ERSAF

**9.30 – 13.00 / 14.30 – 18.00** Palazzo D'Arco

Exhibition

**Città per le persone. Mostra itinerante dei laboratori REBUS**

curated by REBUS. Renovation of public Buildings and Urban Spaces  
organizer: Emilia Romagna Region, Emilia Romagna ANCI, Politecnico di Milano, Ibimet, Proambiente

**9.00 – 18.00** Aula Seminario / via Cairoli, 20

**Aree verdi urbane e periurbane**

organizers: CONAF, ODAF Mantova, FODAF Lombardia, AIDTPG, Mantova Ambiente SRL \*EVENT BY INVITATION ONLY \*

**10.00 – 13.00** Sala degli Stemmi

**Riunione della Federazione regionale degli Agrotecnici e degli Agrotecnici Laureati della Lombardia e della Consulta Nazionale per il Verde Urbano, Agrario, Forestale e per il Paesaggio**

organizer: Collegio Nazionale degli Agrotecnici e degli Agrotecnici Laureati \*EVENT BY INVITATION ONLY \*

**14.30 – 18.00** Sala degli Stemmi

**La tecnologia per la gestione sostenibile delle città: come i Sistemi GIS possono contribuire a migliorare il territorio**

organizer: Collegio Nazionale degli Agrotecnici e degli Agrotecnici Laureati

## NIGHT EVENTS

**21.00 – 23.30** Cinema Mignon

**Festival Cinematografico Internazionale sulle Foreste / International Film Festival on Forests**

for info: [www.montagnaitalia.com](http://www.montagnaitalia.com)



**9.00 – 10.00** Teatro Sociale

**OPENING CEREMONY**

chaired by **Simone Borelli** (FAO)

**Welcoming and opening speeches**

**Mr. Mattia Palazzi** (Mayor, Municipality of Mantova)

**Mr. Attilio Fontana** (President, Lombardia Region)

The Organizing Committee of the Forum:

**Mr. Hiroto Mitsugi** (Assistant Director-General, Forestry Department FAO)

**Mr. Federico Bucci** (Politecnico di Milano, Vice Rector of Mantova Campus)

**Mr. Marco Marchetti** (President, SISEF)

**Mr. Stefano Boeri** (Co-chair of the Scientific Committee, Architect and Full Professor at Politecnico di Milano and Tongji University, Shanghai)

**Mr. Cecil Konijnendijk** (Co-chair of the Scientific Committee and Professor of Urban Forestry at the University of British Columbia)

Video message by **Karmenu Vella** (European Commissioner for Environment, Maritime Affairs and Fisheries)

**10.00 – 11.00** Teatro Sociale

**PLENARY KEYNOTES**

chaired by **Simone Borelli** (FAO)

**The Forests that walked with the Cities: talking of history, trees and cities**

speakers: **Mr. Fabio Salbitano** (University of Florence),

**Mr. C.Y. Jim** (University of Hong Kong)

**The role of trees and forests in the history of landscape architecture**

speaker: **Mr. Joe McBride** (UC Berkeley)

**11.30 – 17.30** Politecnico / Aula A.1.6

**Urban Conflict and Convergence in the Anthropocene**

organizer: Urban Europe Research Alliance (UERA – JPI)

\*EVENT BY INVITATION ONLY \*

**11.00 – 11.30** Teatro Sociale and FUM

**Coffee Break**

**11.30 – 13.00**

**PARALLEL SESSION 1**

**THE PAST AND GREEN CITIES (PS 1)**

Teatro Sociale

• **PS 1.1 Green Cities**

chaired by **Alan Simson**

**Andrej Verlic** Ljubljana - A City in the forest / **Paul Mandibondibo**

New International Collaborative Project Green Cities for Papua /

**Momath Diankha** Project "Kaolack Green City" / **Andrea Di Paolo** Modena from green to forest city / **Shashi Bhushan** Urban Forestry in changing

Environment: A Case Study of National Capital Region, Delhi, India /

**Amna Rafi Chaudhry** Lahore - The City of Gardens /

**Laurent Bray** Improving the urban forest approach in Limoges, France

FUM / Salone Mantegnesco

• **PS 1.2 Changing People And Benefits**

chaired by **Luiz de Lima Pedreira**

**William Hubbard** Assessing the Outcomes and Impacts of a Federal Urban & Community Forestry Grant Program in the United States / **Prapassorn**

**Siriwichai** Sustainable development in the peri-urban green area by local

community: a case study of Kung Bangkrachao community, Thailand / **Ana**

**Paula Duarte** and **Andres Baietto** Participatory inventory of Urban

Forest: case study on community involvement by the volunteer program "voluntarboles" /

**Ranjit Singh Gill** / Policy and legal issues relating to urban forestry in India with particular reference to Meghalaya / **Mi Sun Park** Policy for urban green space management in Democratic People's Republic of Korea / **Thomas Campagnaro** / Relations between perceived stress-relief and safety and green infrastructure features in a historical urban landscape

FUM / Aula Matilde di Canossa

#### •PS 1.3 Changing Spaces and Places

chaired by **Pedro Calaza-Martínez**

**Chiara Cortinovis** Is urban spatial development on the right track?

Comparing strategies and trends in the European Union / **Silvija Krajter**

A systematic review of urban forest and green space related research

in the Mediterranean / **Barbara Boifava** The fourth nature of the

contemporary city: from Rio de Janeiro to Seattle / **Al Zelaya** Make

No Little Plans: Achieving Burnham's Livable City Vision in Chicago and

the Philippines / **Roberto Diolaiti** – Urban forest management for better

cities: case studies and trends from the Board of Directors of public green

spaces in Italy / **Giovanni Trentanovi** Wild urban woodlands: inappropriate

occupier of abandoned spaces?

FUM / Aula Magna

#### •PS 1.4 Changing Environment

chaired by **Silvano Fares**

**Mesanlibor Syiem Tiewsoh** The Air Quality Shift and Micro Climate of Shillong City in Conjunction with Green Spaces. A Case Study of a City

in North Eastern India / **Lihua Cui** Analysis of heat mitigation strategies

of Zen Gardens to extremely hot weather conditions in Kyoto, Japan

**Camila Sattler** From Lomas to Invasion: A huge loss of biodiversity and green areas on the slopes of Lima / **Claudia Cocozza** Dendrochemistry

to reconstruct environmental pollution in urban forestry context /

**Thami Croeser** / The role of land use and development processes on tree

removal patterns in the City of Melbourne, Australia / **Federico Valerio**

**Moresi** Landslide susceptibility map in the green peri-urban context of Rome

13.00–14.00 FUM

Lunch break

14.00–15.30

SIDE EVENTS

Sala degli Stemma

**Forests of the plain and volunteering -**

**The experience of the WWF in the Province of Mantova**

speakers: **Donato Artoni** (WWF Mantovano)

organizers: WWF mantovano, WWF Italia

FUM / Aula Matilde di Canossa

**Introduction and spread of pests and diseases in urban forests**

speakers: **Francesca Ossola** (ERSAF), **Mariangela Ciampitti**

(ERSAF), **Beniamino Cavagna** (Regione Lombardia),

**Paolo Arienti** (Assofloro) / organizers: ERSAF, Lombardia Region

FUM / Aula Magna

**Stewardship Stories from the Urban Forest:**

**People as positive agents of change**

speakers: **Lindsay Campbell**, **Laura Landau**, **Michelle Johnson**,

**Erika Svendsen** / organizer: United States Forest Service

Politecnico / Aula A.0.2

**Forests Urbanism**

speakers: **Bruno De Meulder** and **Kelly Shannon** (University

of Leuven), **Klaus K. Loenhardt** (TU Graz) / moderator: **Maria Chiara**

**Pastore** (Politecnico di Milano)

14.00–15.30

FUM / Salone Mantegna

**POSTER EXHIBITION OPENING AND POSTER SESSION 1**

15.30–17.00

**PARALLEL SESSION 2**

**BETWEEN PAST AND PRESENT (PS 2)**

FUM / Aula Magna

#### •PS 2.1 Changing People

chaired by **Gu Lin**

**Carlo Gomez** CommuniAct - Avenue to Changing Urban Cities

and People / **Nicole Cavender** Professional Gardens can contribute

important knowledge and resources to urban forestry; the Morton

Arboretum as a leading example in the US / **Adrina Bardekjian** Girls

Talk Trees: Examining barriers to women in arboriculture and urban

forestry across Canada and the United States / **Lorien Nesbitt** – Human

faces, forest places: an examination of urban green equity in multicultural

cities / **Sarah Marder** Creating a New Narrative: Storytelling for Social

Change / **Rik De Vreese** Social representations of nature can they

contribute to understanding citizen relation with urban trees

FUM / Salone Mantegna

#### •PS 2.2 Changing spaces and places

chaired by **Gianmichele Cirulli**

**Dhrubo Alam** Requiem for Wilderness in Dhaka / **Johan Ostberg** and

**Ruth A. Rae** / Cemeteries as eternal urban green-spaces? Shifting uses

in the United States and Sweden / **Samaneh Nyckayin** The Urban

Forest in the age of urbanization / **Paul Ries** Green Infrastructure in

Small Communities: Constraints and Catalysts / **John Rayner** Beyond the

trees: designing shrub communities for the urban forest / **Luiz de Lima**

**Pedreira** Reforestation of Degraded Slopes of the City of Rio de Janeiro

with Community Mobilization

FUM / Aula Matilde di Canossa

#### •PS 2.3 Changing Environment

chaired by **Chris Baines**

**Clive Davies** Exploring the role of urban forestry in Urban National Parks

**Renate S. Spaeth** Wild urban forests and wood biomass short rotation

landscape laboratories on former brownfield sites Ruhr Area, Germany

nature based solutions in place making and place keeping / **Tahia**

**Devisscher** and **Camilo Ordonez** Urban forest in Latin America:

challenges and opportunities for research and practice / **Gayane**

**Nersisyan** Studying indicator parameters of ecological tolerance of trees

under conditions of the city of Yerevan / **Claudia Alzetta** Streamlining

Tree Selection: Biodiversity, Ecosystem services and Tree needs in Padova

(Italy) / **Michelle Johnson** Taking care of New York City's urban forest:

Understanding civic environmental stewardship outcomes / **Halima**

**Nakasaga** A review of climate change adaptation strategies in major cities

in Uganda

Teatro Sociale

#### •PS 2.4 Changing Benefits

chaired by **Thomas Randrup**

**David Nowak** Changing Global Urban Tree Cover

and Benefits / **Francesco Ferrini** Effect of heavy pruning on tree growth and physiology and on microclimate conditions / **Gina Serrano** Using the vitality class approach for the study of the status and condition of street trees in tropical cities. The case of Guayaquil, Ecuador / **Charlie Shackleton** Urban resident's favourite and disliked trees in eleven towns in Zimbabwe and South Africa / **Carla Short** Financing the Urban Forest, a San Francisco Success Story / **Elisa Pieratti** The contribution of peri-urban forests to the circular bioeconomy: the case study of Monte Morello in Italy / **Mariangela Soraci** Ecosystem services and benefits of Urban Forest and Green Infrastructure and in the urban rural divide

**17.00 / 17.30** Teatro Sociale and FUM  
Coffee break

**17.30 / 19.00** Teatro Sociale  
**FOCUS DISCUSSION**

**The significance of Forests and Trees in the historical development of cities**

moderated by **Joe McBride**

panelists: **Mr. Pedro Mendes Castro** (ISA) / **Ms. Cinnamon Dobbs** (Universidad de Chile) / **Mr. Gareth Doherty** (GSD Harvard) / **Mr. Richard Weller** (Penn University) / **Ms. Sylvie Nail** (University of Nantes)

### EDUCATIONAL EVENTS

**9.00–15.00** Politecnico di Milano / Aula A.1.7

Living Lab

**Build your city forest**

To learn about the new scenario-based learning game for students  
Build your city forest: Create a greener, healthier and happier world

**10.00 / 15.00** Piazza Virgiliana

**Tree Climbing activities in Piazza Virgiliana**

organizer: SIA–ISA

### PUBLIC EVENTS

**9.00–18.00** Politecnico

Exhibition

**Un tesoro di suolo: dal degrado urbano alla città circolare**

curated by S.O.S. 4 LIFE

**9.00–20.00** FUM / Casa Gialla

Photo Exhibition

**Cambiare la natura delle città. Storie, cifre, notizie e nomi delle foreste urbane e periurbane in Lombardia**

curated by ERSAF

**9.30–13.00 / 14.30–18.00** Palazzo D'Arco

Exhibition

**Città per le persone. Mostra itinerante dei laboratori REBUS**

Curated by REBUS. Renovation of public Buildings and Urban Spaces

organizer: Emilia Romagna Region, Emilia Romagna ANCI, Politecnico di Milano, Ibimet, Proambiente

**14.00–19.30** FUM / Salone Mantegna

Exhibition

**Poster Exhibition**

**18.00–19.30** Sala degli Stemma

Public conference

**Verde è Salute / Green is Health** (Italian language)

speaker: **Francesca Cirulli** (Primo Ricercatore presso il Centro per le Scienze Comportamentali e la Salute Mentale dell'Istituto Superiore di Sanità e Presidente della European Brain and Behavior Society) / scientific advice: ISS Istituto Superiore di Sanità

**18.30–19.30** Sala delle Capriate

**Festivaletteratura for WFUF**

**Cambiamenti climatici e foreste: benefici per la società, conseguenze per gli ecosistemi, proposte di azione**

(Italian language)

speakers: **Giorgio Vacchiano**, **Emanuele Bompan**

### NIGHT EVENTS

**18.30–22.30** Rotonda San Lorenzo

**Planet Forest / Audiovisual installation**

Virtual landscapes, imaginary scenarios, a continuously moving observatory and an infinite Forest by **Propp**

**19.00–21.00** Teatro Bibiena

**Ludwig van Beethoven, Sinfonia n. 6 in fa maggiore, op. 68 "Pastorale"**

directed by **Umberto Benedetti Michelangeli**

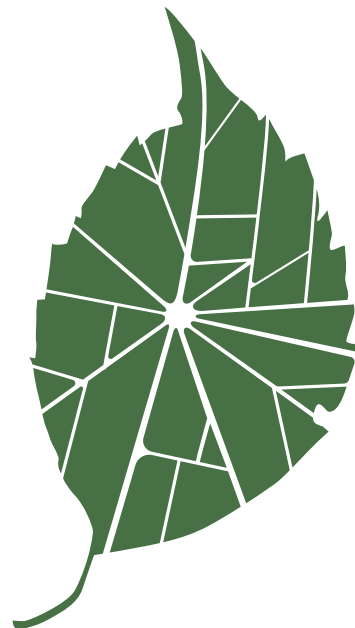
OCM Orchestra da Camera di Mantova

**19.00–23.00** Cinema Mignon

**Festival Cinematografico Internazionale**

**sulle Foreste / International Film Festival on Forests**

For info: [www.montagnaitalia.com](http://www.montagnaitalia.com)





8.45–9.00 Teatro Sociale

**INTRODUCTION**chaired by **Sebastiano Sali** (Comune di Mantova)

9.00–10.00 Teatro Sociale

**PLENARY KEYNOTES**chaired by **Sebastiano Sali** (Comune di Mantova)**The present status of urban forestry in the world**speakers: **Mr. Francesco Ferrini** (University of Florence)and **Mr. Giovanni Sanesi** (University of Bari)**Governance challenges for urban forests and green spaces**speaker: **Mr David Miller** (C40)

10.00–10.30 Teatro Sociale and FUM

**Coffee Break**

10.30–12.30

**PARALLEL SESSIONS 3****THE PRESENT (PS 3)**

Teatro Sociale

**•PS 3.1 Changing People**chaired by **Terry Hartig**

**Neelesh Yadav** / Status of fringe forest management in rainfed areas of India and socio-economic assessment of fringe villages for Rural-Urban areas / **Paruthumootil Jacob Philip** Environmental Governance and ICTs in Empowering Indigenous Communities in Forests and Mountains to Mitigate the Impacts of Climate and Environmental Change / **Nanamhla Gwedla** The barriers to, and enablers of tree planting in South African low-cost housing suburbs / **Chayn Sun** Modelling the Effect of Tree Planting on Mitigating Heat Exposure for Vulnerable Population in Australian Cities / **Clare Olver** The Natural Health Service in The Mersey Forest / **Ian Whitehead** Integrated approaches to urban and rural community forestry / **Luisa Ravanello** REBUS® [REnovation of public Buildings / and Urban Spaces]: a method for designing resilient cities by implementing Nature-based Solutions / **Anna Steidle** Cooperation between policymakers, stakeholders and the public: Citizens participation on the example of the EU Project "Smarter Together" and "Freihaim" in the City of Munich, Germany

FUM / Salone Mantegnesco

**•PS 3.2 Changing Spaces and Places**

chaired by **Marco Cillis** / **Amanda Manyani** How urban dwellers identify with natural elements within urban green spaces in the Eastern Cape, South Africa? / **Rocco Pace** How does trees density affect air quality and temperature mitigation? The case study of Berlin / **Abdallah Tawfic** Productive Green Roofs as a multi benefit tool for Cairo's informal settlements / **Claudia Fongar** Norwegian urban green space management – Managers' perspectives / **Erika Svendsen** Urban forests: Sharing a common language of holistic stewardship / **Maria Beatrice Andreucci** / Measuring for Managing the Urban Green Blue Infrastructure. An International survey of building Resilience in Cities / **Salvatore Colombo** Cesano Maderno: a decade of experience in urban forestry / **Bernard Koenig & Lisa Enzenhofer** / Breathe spaces – activating natural processes

FUM / Aula Matilde di Canossa

**•PS 3.3 Changing Environment**

chaired by **David Pearlmutter** / **C.Y. Jim** Porosity of roadside soil as indicator of edaphic quality for tree planting / **Zheng Zhang** Influence of plant composition and water use strategies on green roof stormwater retention / **Emanuele Pallozzi** Urban park effects on Naples air quality

/ **Lin Gu** Comprehensive assessment of health care function / in the typical recreation forests of Hui Mountain in Wuxi City, Jiangsu Province of East China / **Thomas Randrup** Sustainable Management of Urban Forests. What is environmental, economic and social sustainability in management of urban open spaces? / **Anand Persad** When Trees Fail: Bio-mechanical Analyses of Storms in the Caribbean and in North America / **Chang Zhang** / Characteristics of Riparian Vegetation and the Associated Human Influence in urban area / **Thomas Rotzer** Mitigating urban climate change – Simulating ecosystem services of urban trees under present and future climate conditions / **Mangala De Zoysa** Urbanization and climate change: transition for and transformation of urban forestry in Sri Lanka

FUM / Aula Magna

**•PS 3.4 Changing Benefits** chaired by **Liza Paqueo**

**Kathleen Wolf** / Urban Trees as an Upstream Solution to Promote Human Health – A Systematic Review of the Evidence / **Mohammad A. Rahman** – Ecosystem services from urban green spaces – A quantitative study to compare the species differences at micro-scale / **Livia Zapponi** An old resource for new benefits – understanding the role of dead wood / **Wendy Y. Chen** Prioritizing benefits of riparian vegetation in Guangzhou (South China): An importance-performance analysis / **Arpit Shah** The impacts of green spaces in mitigating the urban heat island – The case of Bengaluru, India / **Chan Ryul Park** Discipline and Impacts of urban forests coping with fine particles and heat waves at Seoul Metropolitan City of Korea / **Maria Arroyave** Optimizing urban forest ecosystem services in Medellin, Colombia / **Samuel Ssenyondo** Exploring Insights of Social-Ecological Resilience on Urban Infrastructure Transitions

10.30–12.30 Teatro Bibiena

**SPECIAL SIDE EVENT****Trees as Critical Urban Infrastructure to Improve Quality of Life**

speakers: **Sarah Charlop-Powers** (Executive Director, New York City Natural Areas Conservancy) / **Carine Bernede** (Paris Director of Green Space and the Environment) / **Eleni Myrivili** (Athens Deputy Mayor of Urban Nature, Resilience and Climate Change Adaptation and Chief Resilience Officer) / **Paola Viganò** (Milan Director of Greening Department) / moderator: **Jacob Koch** (Bloomberg Associates Sustainability Practice)  
organizer: Bloomberg Associates

12.30–13.30 FUM

**Lunch break**

13.30–15.00

**SIDE EVENTS**

Teatro Sociale

**The function of green urban areas in controlling air pollution**

speaker: **Antonio Ballarin Denti**  
organizer: ERSAF Lombardia Region

FUM / Aula Matilde di Canossa

**Enhancing the value of biodiversity in urban ecosystems: The role of botanic gardens and seed banks**

speakers: **Tiziana Ulian** (RBG Kew) / **Nabil Assaf** (FAO-Algeria) / **Mauricio Diazgranados** (RBG Kew) / **Sidi Sanogo** (IER Mali) / **Tony Kirkham** (RBG Kew) / **Ricardo Garcia** (Jardín Botánico Nacional Dominican Republic) / **Talemos Seta Shanka** (Gullele Botanic Garden, Ethiopia) / **Hugh Pritchard** (RBG Kew)  
organizer: Royal Botanic Gardens, Kew

## SCIENTIFIC FORUM

- A** Teatro Bibiena, via Accademia, 47
- B** Teatro Sociale, piazza F. Cavallotti, 14
- C** Politecnico di Milano - Polo territoriale di Mantova/via Scarsellini, 15
- D** Fondazione UniverMantova (FUM), via A. Scarsellini, 2
- E** Aula Seminario / via F.lli Cairoli, 20
- F** Sala degli Stemmi / via Frattini, 60

## PUBLIC EVENTS

- G** Cinema Ariston / via Principe Amedeo, 20
- H** Cinema Mignon / via G. Benzoni
- I** Sala delle Capriate / Piazza Leon Battisti Alberti, 15
- J** Piazza Virgiliana
- K** Aula Magna Isabella d'Este / via G. Romano, 13

## VIDEO INSTALLATION by Propp

- L** Rotonda di San Lorenzo / Piazza Erbe

## URBAN FORESTS by Openfabric

- M** Piazza Mantegna
- N** Piazza Erbe
- O** Fondazione UniverMantova (FUM) / via A. Scarsellini, 2





FUM / Aula Magna

**Toward the “No Net Land Take” –****Urban planning based on soil ecosystem services**

speakers: **Lucie Trokanová** (Neemo, EEIG) / **Fabrizio Ungaro** (Institute of Biometeorology-CNR) / **Costanza Calzolari** (Institute of Biometeorology-CNR) / **Francesca Ugolini** (Institute of Biometeorology-CNR) / **Marianna Nardino** (Institute of Biometeorology-CNR) / **Stefano Bazzocchi** (Municipality of Forlì) / **Nazaria Marchi** (Emilia Romagna Region) / organizer: SOS4Life, LIFE

Politecnico / Aula A.0.3

**Quality trees for the cities of the future –****Nursery production between market, rules and climate change**

organizer: Assofloro Lombardia, Coldiretti Lombardia

Sala degli Stemma

**Common Earth: Regenerating the Wealth of Earth's Commons**

speakers: **Rola Khoury** and **Freya Yost** (The Cloudburst Foundation) / organizer: The Cloudburst Foundation

**14.00 – 15.00** FUM / Salone Mantegnesco**POSTER SESSION 2****15.00 – 16.30** Politecnico / Aula A.0.3**SPECIAL SIDE EVENT****Urban Forests in the Italian National Strategy for Urban Green Space**

chaired by **Massimiliano Atelli** (President of the Committee for Public Greening - CVP, Italy) / **Sergio Costa** (Minister of Environment) TBC / **Chiara Appendino** (Mayor of Turin) / **Emilio Del Bono** (Mayor of Brescia) / **Attilio Massa** (Alderman of Sant'Agnello, NA) / **Alessandra Stefani** (Director-General for Forests, Italy) / **Marco Marchetti** (CVP-SISEF) / **Carlo Blasi** (CVP-CIRBISES) / organizers: Comitato per lo sviluppo del verde pubblico, Ministero dell'Ambiente e della Tutela del Territorio e del Mare

**15.00 – 16.30****PARALLEL SESSIONS 4****NATURE-BASED SOLUTIONS AND THE PRESENT (PS 4)**

Teatro Sociale

- **PS 4.1 Nature-based Solutions** chaired by **Thami Croeser** / **Nadine Galle** Nature-based solutions: using geospatial big data for urban forestry quality assessments / **Josefina Enfedaque** Transforming cities, enhancing well-being through nature-based solutions (NBS). The EU-led mission towards the urban green transformation / **Alessio Fini** Nature-based solutions to mitigate soil sealing in urban areas: Results from a 6-year study comparing permeable, porous, and impermeable pavements / **Andrea Pianella** Green infrastructures and associated policies improve urban sustainability: A case study in Melbourne / **Lars Briggs** Stormwater management and blue-green infrastructure for improved urban forests. Climate Change Adaptation in Cities – Experience from Denmark and Poland / **Theodore Endreny** Urban forest expansion is predicted to reduce the air temperature impacts of urban heat islands

FUM – Salone Mantegnesco

- **PS 4.2 Changing People** chaired by **Andrej Verlic** / **Heather Johnstone** Town of Victoria Park Urban Forest strategy: A case study of Asset Based Community Development in a volunteer framework / **José Sato** Risk reduction of vulnerable neighborhoods, foresting hillside

slopes in Lima, Peru / **Lindsay Campbell** City of Forests, City of Farms: The Governance and Discourse of Urban Sustainability in New York City / **Amber Grant** Perspectives on environmental justice in planning and delivery of urban forestry goals / **David Galwey** Urban forest values recognised in unique legislation / **Kathryn Hand** Ecosystem service provision by urban trees: opportunities and challenges to enhancing delivery through policy and management

FUM – Aula Matilde di Canossa

**•PS 4.3 Changing Places and Spaces**

chaired by **Urmila Rajadhyaksha** / **Moussa Soule** Woody Species Diversity and Structure of Urban Forests for Sahel Cities in Niger / **Hai Anh Nguyen** Redefining Agro-Forestry Settlement Development in Da Lat Urban Fringe (Workshop 2018, Da Lat City, Lam Dong Province, Viet Nam) / **Atila Gul** Approach of Online Access to Inventory Data of Urban Trees with ArchGIS (Case of Isparta City) / **Cindy Blain** California's Urban Forests: Climate Change, Public Health, and Environmental Justice / **Qunyue Liu** The contributions of greenways to people's quality of life – A case study of the Fuzhou Greenway in China / **Marco Cillis** The architect's wood. Bosco Albergati Park by Cesare Leonardi and the local ecological network

FUM – Aula Magna

**•PS 4.4 Changing Environment**

chaired by **Carlo Calfapietra** / **Francesco Musco** Contribution of urban forestry to climate change adaption plan and policies: the case of Mantova, Italy / **Artur Goncalves** The Role of Urban Green Spaces in the Urban Climate – The Case Study of the City of Bragança (Portugal) / **Mario Elia** Are Wildfires Knocking on the Built-Up Areas Door? / **Elena Beatriz Craig** Methodological proposals for risk evaluation of urban forest in metropolitan area of Buenos Aires, Argentina / **Shadananan Nair Krishnapillai** Urban forest management in India: Challenges under a changing climate and environment / **Tiziana Panzavolta** Diseases and pests harming ecosystem services in urban green spaces of the Mediterranean region / **Christian Torres Santana** Understanding post-hurricane tree damages at the Arboretum Doña Inés Park, an urban forest in San Juan, Puerto Rico

**16.30 – 17.00** Teatro Sociale and FUM  
**Coffee Break****17.00 – 18.30** Politecnico / Aula A.0.3**SPECIAL SIDE EVENT****Tree Renewal in Streetscapes. Technical aspects, management solutions and best practices**

organizers: SIA-Società Italiana di Arboricoltura, ISA-International Society of Arboriculture

**17.00 – 17.15** Teatro Sociale**Welcome address – Directorate-General for Forests  
The significance of urban and periurban forests in the present and future of Italian woodlands**

speaker: **Alessandra Stefani** (Director General for Forests, MIPAAFT, Italy)

**17.15 – 18.45** Teatro Sociale**FOCUS DISCUSSION****Urban Forests for healthier and happier cities**

moderated by **Enrico Alleva** / Panelists: **Mr Terry Hartig** (University of Uppsala) / **Mr Matthias Braubach** (WHO Europe) / **Mr Dave Nowak** (US Forest Service) / **Ms Wilma Zijlema** (Centre for Research in Environmental Epidemiology) / **Ms Lida Aljabar** (Trust for Public Land)

## EDUCATIONAL EVENTS

**9.00–13.00 / 14.30–16.30** Laboratory 1/  
MAMU - Mantova Multicenter, Largo di Porta Pradella  
**Build your city forest: create a greener, healthier  
and happier world**  
organizer: Build A World

**10.00–15.00** Piazza Virgiliana  
**Tree Climbing activities**  
organizer: SIA – ISA

## PUBLIC EVENTS

**9.00–18.00** Politecnico  
Exhibition  
**Un tesoro di suolo: dal degrado urbano  
alla città circolare**  
curated by S.O.S. 4 LIFE

**9.00–20.00** FUM / Casa Gialla  
Photo Exhibition  
**Cambiare la natura delle città. Storie, cifre, notizie  
e nomi delle foreste urbane e periurbane in Lombardia**  
curated by ERSAF

**9.00–18.30** FUM / Salone Mantegnesco  
Exhibition  
**Poster Exhibition**

**9.30–13.00 / 14.30–18.00** Palazzo D'Arco  
Exhibition  
**Città per le persone. Mostra itinerante  
dei laboratori REBUS**  
Curated by REBUS. Renovation of public Buildings and Urban Spaces  
organizer: Emilia Romagna Region, Emilia Romagna ANCI, Politecnico  
di Milano, Ibimet, Proambiente

**18.00–19.30** Sala degli Stemmi  
**Ecoliteracy and urban food forests** (Italian language)  
Progetto di alfabetizzazione ecologica per la produzione di cibo e  
la gestione consapevole delle foreste urbane /  
organizer: Consorzio Forestale Padano

**18.30–19.30** Sala delle Capriate  
**Festale Letteratura for WFUF**  
**Regenerative development and climate change**  
speakers: **Stefano Boeri** (Architect and Full Professor at Politecnico di Milano),  
**Rola Khoury** (Vice President and Founder at The Cloudburst Foundation) and  
**Frey Yost** (Chief operating at Common Earth, The Cloudburst Foundation)

## NIGHT EVENTS

**19.00–22.30** Villa Corte Peron  
**WFUF Social Dinner**

**18.30–22.30** Rotonda San Lorenzo  
**Planet Forest / Audiovisual installation**  
Virtual landscapes, imaginary scenarios, a continuously  
moving observatory and an infinite Forest by **Propp**

**21.00** Teatro Bibiena / via Accademia, 47  
**Ludovico Einaudi – Special Piano Concert for WFUF**

**21.00–23.30** Cinema Mignon  
**Festival Cinematografico Internazionale sulle  
Foreste / International Film Festival on Forests**  
for info: [www.montagnaitalia.com](http://www.montagnaitalia.com)

**8.45–9.00** Teatro Sociale  
**INTRODUCTION**

chaired by **Alessandro Balducci** (Full Professor at Politecnico di Milano)

**9.00–10.00** Teatro Sociale  
**PLENARY KEYNOTES**

chaired by **Alessandro Balducci** (Full Professor at Politecnico di Milano)

**Perspectives for greener cities** / speaker: **Mr Marc Palahi**  
(European Forest Institute)

**Augmented Landscapes. In Search of the Resilience of the  
Territory** / speaker: **Mr Bas Smets** (Bureau Bas Smets)

**9.30–13.30** Sala degli Stemmi  
**SPECIAL SIDE EVENT**

**Forestazione urbana e resilienza delle città: come adattarsi  
ai cambiamenti climatici** (Italian language)  
speakers: **Matthias Braubach** (WHO) / **Laura Petrella** (UN-habitat)  
**Abdelkader Bensada** (Unep) / **Simone Borelli** (FAO) / **Edward  
Blakely** (Visiting Professor Università IUAV di Venezia) / **Simona Arletti**  
(Presidente Reti Città Sane) / **Marta Guidi** (Comune di Modena) / **Andrea  
Limauro** (Washington DC) / **Chiara Gallani** (Assessore all'Ambiente,  
Verde, Parchi e Agricoltura, Comune di Padova) / **Piero Pelizzaro** (Chief  
Resilience Officer, Comune di Milano) / **Valentina Orioli** (Assessore  
all'Urbanistica, Edilizia privata, Ambiente, Tutela e riqualificazione della Città  
storica, Comune di Bologna) / **Valerio Barberis** (Assessore all'Urbanistica,  
Comune di Prato) / **Roberta Fusari** (Assessore all'Urbanistica, Edilizia e  
Rigenerazione Urbana, Comune di Ferrara) / **Andrea Murari** (Assessore  
all'Ambiente e Pianificazione territoriale, Comune di Mantova) / moderators:  
**Francesco Musco** (IUAV), **Piero Pelizzaro** (Chief Resilience Officer,  
Comune di Milano), **Adriana Nepote** (Presidente Agenda 21, Comune  
di Mantova) / organizers: Agenda 21 Locali italiane, Comune di Mantova,  
Università IUAV di Venezia

**10.00–10.30** Teatro Sociale and FUM  
**Coffee Break**

**10.30–12.30**  
**PARALLEL SESSIONS 5**  
**THE FUTURE (PS 5)**

Teatro Sociale

## •PS 5.1 Changing People

chaired by **Sheila Wertz** / **Helen Davies** / Future funding of urban forests -  
time to move to a beneficiary pays model? / **Camilo Ordóñez** / The  
psycho-social effects of tree-removal from urban parks / **Urmila  
Rajadhyaksha** Making the Urban Forest "speak" to citizens / **Niall  
Williams** The Charter for Trees Woods and People – A framework for  
the future? / **Nicole Heise** Lessons from "Las Praderas" – Community  
relations and implementation of green technologies in urban forests /  
**Franziska Krainer** Green Care FOREST / **German Tovar** Bogota's Urban  
Trees Master Plan / **Bianca Baerlocher** Stakeholder empowerment yes,  
but how? – From bargaining to cooperation

FUM / Salone Mantegnesco

## •PS 5.2 Changing Spaces and Places

chaired by **Nerys Jones** / **Sanya Kovacheva** and **Veronica Rigonat** MN50.  
Re-identifying the Industrial Heritage Sites: The Engine for the Historical  
City's Future Landscape / **Alan Simson** The new Northern Forest in the UK:  
a project designed to heal the wounds of post-industrial neglect by applying  
the concepts of the New Urban Agenda to a multi-regional urban – peri-  
urban forestry initiative / **Vladimir Ionut Boc** Bioclimatic Cities of the

Future. Conceptual Strategies for Modular Green Space Systems / **Lucina Caravaggi** New urban forests in layering landscapes / **Ferdinand Ludwig** and **Stefano Panunzi** Seismic Green Infrastructure: Eksotectures & Eksoscapes / **Patricia Sanches** Conciliating human density and green spaces in cities: What urban design could be better for a sustainable future / **Hajri Haska** Some aspects on maintenance—land use around the trees in urban areas, an overview of Pogradec city, Albania / **Win Wambecq** Forest urbanism in the Campine Region, Belgium

FUM/Aula Matilde di Canossa

#### •PS 5.3 Changing Environment

chaired by **Maria Chiara Pastore** / **Outi Wahlroos** Creating ecosystem services through urban oases: stormwater management landscaping in Southern Finland / **Luigi Campoli** SDI Spatial Data Infrastructure Integrated Ater Roma / **Qiyao Han** / Mapping the permeability of cities to forest migration under climate change / **ZhenKai Sun** The potential influence of nursery offerings on tree species diversity in new Beijing plain afforestation / **Yamuna Giambastiani** Indirect root distribution detection by 2D Electrical Resistivity Tomography. Application to Pinus pinea root system, in different soil type with a field approach / **Chiara Baldacchini** / A fast and ultra-spatially resolved method to monitor PM concentration in cities from PM deposition on urban trees / **Rocio Alonso** Urban and peri-urban vegetation can improve air quality in Mediterranean areas / **Rico Hübner** The rise of urban agroforestry systems – A comparative analysis of the United States—Canada and Germany

FUM/Aula Magna

#### •PS 5.4 Changing Benefits

chaired by **Josefina Enfedaque**  
**Charl Justine Darapisa** / Landscape Health Assessment Index: A Methodological Summary of Soundscape Mapping as a New Frontier for Urban Forest Soundscape-Based Spatial Planning Design, and Ecological Security Pattern and Geometry Recognition / **Davide Geneletti** Using ecosystem service knowledge to design innovative performance-based urban planning approaches / **Enrico Calvo** / Methodologies and results of monitoring activities in lowland forests and urban plantations in Lombardy and Slovenia / **David Nowak** / i-Tree: Assessing changes in urban forest benefits and values across the world / **Rosniza Kassim** / Self-watering Vertical Planter: Solution for Green Facade in Tropics / **Paloma Cariñanos** / Breathing in the Parks: an innovative tool to plan low-allergy urban forests in the future / **Noor Azlin Yahya** / Ecotourism and environmental education potentials in urban forests of Malaysia / **Nancai Pei** Integration of fundamental principles and applications of emerging techniques in urban forestry

11.00 – 13.30 Politecnico / Aula A.1.3

#### SPECIAL SIDE EVENT

##### Global Landscapes of Oil

speaker: **Carola Hein** (TU Delft)

**Greetings** / speakers: **Federico Bucci** (Politecnico di Milano, Vice Rector of Mantova Campus and Head of the UNESCO Chair in Architectural Preservation and Planning in World Heritage Cities) /

**Gloria Pessina** (Temporary research fellow at the UNESCO Chair in Architectural Preservation and Planning in World Heritage Cities)

**Open Lecture** / speakers: **Carola Hein** (Professor and Head, History of Architecture and Urban Planning Chair at Delft University of Technology, TU Delft)

**Mantova: Highlights on past, present and future of the petrochemical pole**

**Alessandro Balducci** (Full Professor of Planning and Urban Policies, Politecnico di Milano) and **Chiara Geroldi** (Adjunct Professor in Landscape Architecture, Politecnico di Milano) / **Veronica Rigonat** and **Sanya**

**Kovacheva** (graduated at Politecnico di Milano, Mantova Campus)  
**Lorenza Salati** (Co-founder of Osun WES s.r.l. and expert in community economy and systemic models development for urban regeneration and business development) / **Marco Masotto** (Member of R84 associations' management) **Reshape Petroleumscales – Explorative walk aimed at imagining a “Post industrial Forest”: A project of urban afforestation**

12.30–13.30 FUM

#### Lunch Break

13.30–15.00

#### SIDE EVENTS

FUM/Aula Magna

##### Site-specific approach for the contaminated soils remediation by using plants

speakers: **Paolo De Angelis**, **Edoardo Puglisi**, **Pietro Iavazzo**, **Fabrizio Adani** / organizer: ERSAF Lombardia Region

FUM/Aula Matilde di Canossa

##### From Urban Greeneries to Green Urbanity: Data is a connector

speakers: **Dmitry Sivaev** (World Bank, USA) / Price of urban silence: how data can help price void spaces in urban areas. Are void spaces in the city the most expensive? How urban porosity could support comfortable and sustainable urban living? / **Anna Amvrosova** (Habidatum, USA, Netherlands, Russia) / An urban park: opportunity or commodity? Is the “number of visitors” relevant indicator of park's economic value? If not, then what? / **Vicente Gualard** (IAAC) / Valldaura Self-Sufficient Labs urban agriculture project / **Elena Mitrofanova** (Shukhov Lab, Spain, Russia) / Urban agriculture: data to prove how much oil regular tomato could “carry”? Why urban agriculture could be economically viable? / **Alena Shlyakhovaya** (Bureau Meganom, Russia) Urban Super Park as a regeneration concept for soviet “microrayon areas” / organizer: HABIDATUM

Sala degli Stemmi

##### Towards a Metropolitan Park – Milano2030 (Italian language)

speakers: **Pierfrancesco Maran** (Comune di Milano) TBC / **Stefano Boeri** (Politecnico di Milano) TBC / **Paola Viganò** (Direttore Area Verde, Agricoltura e Arredo Urbano, Comune di Milano) / **Piero Pelizzaro** (Direzione Città Resilienti, Comune di Milano) / **Riccardo Gini** (Parco Nord Milano) / **Maria Pia Sparla** (Parco Agricolo Sud Milano) / **Piorgio Valentin** (Città Metropolitana di Milano) / **Silvio Anderloni** (Bosco in Città) / **Eugenio Morello** (Politecnico di Milano) / **Maria Chiara Pastore** (Politecnico di Milano) / organizer: Politecnico di Milano

FUM/Salone Mantegnesco

##### Suolo e acqua

speakers: **Stefano Barontini** (UNI Brescia, Ingegneria ambientale) / **Emilio Padoa Schioppa** (UNI Milano Bicocca, Ecologo) / **Michele Filippo Fonte Francesco** (UNISG, Pollenzo, Antropologo) / **Gabriele Volpato** (UNISG, Pollenzo, Ecologo) / organizer: Slow Food Lombardia

14.30–16.00 Politecnico/Aula A.O.2

#### YOUTH SPECIAL PANEL SESSION

Presentation of project and selection of winning project

15.00–16.00 FUM/Salone Mantegnesco

#### POSTER SESSION 3

**15.00–15.30** Teatro Sociale and FUM  
**Coffee Break**

**15.30–17.00** FUM / Aula Magna  
**SPECIAL SIDE EVENT**

**Nature-Based Solutions: overcoming barriers, enhancing benefit. Launch of the Manifesto and workshop**

speakers: **Giorgio Vacchiano** (Researcher in Forestry Sciences at the University of Milan) / **Raul Sanchez** (Coordinator Cartif - URBAN GreenUP) / **Josefina Enfedaque** (European Commission Senior Policy Officer) / **Adriana Nepote** (Alderman for University, Research and Innovation, European Projects, Municipality of Mantova) / **Edoardo Croci** (Bocconi University) / **Kaan Emir** (Demir) / **Thami Croeser** (RMIT University) / David Struik (Isocarp) / **Domenico Perfido** (R2M) / **Carlo Calfapietra** (CNR) / moderator: **Clare Olver** (The Mersey Forest - URBAN GreenUP)

**15.30–16.15** Teatro Sociale  
**SPECIAL DIALOGUE**

**Stefano Boeri in dialogue with Patrick Blanc**

**Stefano Boeri** The Plants and the Sky / **Patrick Blanc** The Greens and the Greys: the Life of Plants that Colonize Vertical Rocky Habitats

**16.15–18.30** Teatro Sociale  
**FOCUS DISCUSSION**

**A green vision for the future**

moderated by **Kai Lintunen** / panelists: **Mr. Cecil Konijnendijk** (University British Columbia) / **Mr. Stefano Boeri** (Politecnico di Milano, Tongji University) / **Ms. Eva Müller** (FAO) / **Ms. Laura Petrella** (Un-Habitat) / **Mr. Abdelkader Bensada** (UNEP) / **Mr. Adam Freed** (Bloomberg Associates) / **Ms. Lina Liakou** (100 Resilient Cities) / **Mr. Patrick Blanc** (Vertical Garden Patrick Blanc)

**16.00–17.30** Sala degli Stemma  
**SPECIAL SIDE EVENT**

**Città, clima e sfide per lo sviluppo** (Italian language)

speakers: **Alessio Malcevski** (Università di Parma, Delegato del Rettore per la RUS) / **Grammenos Mastrojeni** (Ministero degli Affari Esteri e della Cooperazione Internazionale e Coordinatore per le iniziative di Cooperazione allo Sviluppo in materia di eco-sostenibilità e di Cooperazione Decentrata) / organizer: Ministero degli Affari Esteri e della Cooperazione Internazionale, Università di Parma – Rete delle Università per lo Sviluppo Sostenibile)

**18.30–19.00** Teatro Sociale  
**CLOSURE OF THE FORUM**

the Organizing Committee of the Forum: **Ms. Eva Müller** (Director, Forestry Policy and Resources Division, FAO) / **Mr. Marco Marchetti** (President, SISEF) / **Mr. Federico Bucci** / (Politecnico di Milano, Vice Rector of Mantova Campus) / **Mr. Stefano Boeri** (Co-chair of the Scientific Committee, Architect / and Full Professor at Politecnico di Milano and Tongji University in Shanghai) / **Mr. Cecil Konijnendijk** (Co-chair of the Scientific Committee and Professor of Urban Forestry at the University of British Columbia) / **Representative of the Youth Organizers**

## EDUCATIONAL EVENTS

**9.00–13.00 / 14.30–16.30** Laboratory 1/  
MAMU - Mantova Multicenter, Largo di Porta Pradella  
**Build your virtual city forest**

A Living Lab to learn about the new scenario-based learning game for students "Build your city forest: Create a greener, healthier and happier world" organizers: Maria De Cristofaro (FAO), Søren Grønbech (Build A World EDU)

**10.00–15.00** Piazza Virgiliana

**Tree Climbing activities**

organizer: SIA–ISA

## PUBLIC EVENTS

**9.00–16.00** FUM / Salone Mantegnesco

Exhibition

**Poster Exhibition**

**9.00–18.00** Politecnico

Exhibition

**Un tesoro di suolo: dal degrado urbano alla città circolare**

curated by S.O.S. 4 LIFE

**9.00–20.00** FUM / Casa Gialla

Photo Exhibition

**Cambiare la natura delle città. Storie, cifre, notizie e nomi delle foreste urbane e periurbane in Lombardia**

curated by ERSAF

**9.30–13.00 / 14.30–18.00** Palazzo D'Arco

Exhibition

**Città per le persone. Mostra itinerante dei laboratori REBUS**

curated by REBUS. Renovation of public Buildings and Urban Spaces

organizer: Emilia Romagna Region, Emilia Romagna ANCI, Politecnico di Milano, Ibimet, Proambiente

**18.00–19.00** FUM / Aula Magna

**Festivaletteratura for WFUF**

**Design ricostituente e piante: risposte complementari alle sfide del nostro tempo** (Italian language)

speakers: Paola Antonelli and Stefano Mancuso

**18.00–19.30** Sala degli Stemma

**Verde è Salute / Green is Health** (Italian language)

**Verde ed esercizio fisico: come combattere**

**l'obesità e le malattie metaboliche in modo naturale**

speakers: **Enzo Bonora** / (Direttore della Sezione di Endocrinologia, Diabetologia e Metabolismo, Dipartimento di Medicina, Università di Verona) / scientific advice: ISS Istituto Superiore di Sanità

**18.00–20.00** Aula Magna Isabella d'Este

**Lupo e sciacallo dorato a Mantova? Fra possibili**

**ritorni e novità** (Italian language)

speakers: **Luigi Molinari**, **Mauro Belardi**, **Luca Lapini**

organizer: Gruppo Ricerche Avifauna GRAM

## NIGHT EVENTS

**19.00–20.30** Cinema Ariston

**Screening BBC Planet Earth II - Chapter 6, Cities**

Presented by **Fredi Devas** (Producer and Director, BBC)

**18.30–22.30** Rotonda San Lorenzo

**Planet Forest / Audiovisual installation**

Virtual landscapes, imaginary scenarios, a continuously moving observatory and an infinite Forest by **Propp**

**21.00–22.30** Cinema Mignon

**Festival Cinematografico Internazionale sulle Foreste / International Film Festival on Forests**

For info: [www.montagnaitalia.com](http://www.montagnaitalia.com)

## CITIES FORUM Teatro Bibiena

8.45–09.00

## RECEPTION AND REGISTRATION

9.00–10.00

## INSTITUTIONAL GREETINGS

Mr. Mattia Palazzi (Mayor, Municipality of Mantova)

## The Organizing Committee of the Forum:

Mr. Simone Borelli (Urban Forestry Officer, FAO) / Mr. Marco Marchetti (President, SISEF) / Mr. Federico Bucci (Politecnico di Milano, Vice Rector of Mantova Campus) / Mr. Stefano Boeri (Co-chair of the Scientific Committee, Architect and Full Professor at Politecnico di Milano and Tongji University in Shanghai) / Mr. Cecil Konijnendijk (Co-chair of the Scientific Committee and Professor of urban forestry at the University of British Columbia)

10.00–10.45

Introduction. Thematic framework WFUF

## The role of cities and urban forestry strategies

speakers: Mr. David Miller (C40, Climate Leadership Group, North America Director) / Mr. Stefano Boeri / Mr. Cecil Konijnendijk

10.45–11.15

## Coffee Break

11.15–11.45

## Call for action and mantova challenge

presentation by Mr. Simone Borelli (FAO) and Mr. Dan Lambe (Arbor Day Foundation)

11.45–13.15

### 1ST CITIES PANEL / BLOOMBERG ASSOCIATES GROWING CITIES: HOW CITIES ARE SCALING UP TREE PLANTING AND CARE FOR CLIMATE, HEALTH, AND ENVIRONMENTAL BENEFITS

speakers: Erion Velijai (Mayor of Tirana) / Eleni Myrivilis (Athens Deputy Mayor of Urban Nature, Resilience and Climate Change Adaptation and Chief Resilience Officer) / Sarah Charlop-Powers (Executive Director, New York City Natural Areas Conservancy) / Alberto Unia (Environmental Councillor, Municipality of Turin) / moderator: Adam Freed (Bloomberg Associates Sustainability Practice)

13.15–14.45

## Lunch Break

14.45–16.15

### 2ND CITIES PANEL / 100RC DESIGNING NEW URBAN SCENARIOS FOR RESILIENT CITIES

#### Summary presentation of Milan workshop, results and output

Piero Pelizzaro (Chief Resilience Officer, Municipality of Milan)  
and Ilaria Giuliani (Deputy Chief Resilience Officer, Municipality of Milan)

## Interview on Best Practices and Panel Discussion

speaker Toby Kent (Chief Resilience Officer, Melbourne, Australia) / Daniel Zarrilli (Chief Resilience Officer New York, United States of America) / Kathryn Oldham (Chief Resilience Officer Greater Manchester, United Kingdom) / Eleni Myrivilis (Chief Resilience Officer and Council Member Athens, Greece) / Maurizio Mangialardi (Mayor of Senigallia, Marche Region) / moderator: Piero Pelizzaro (Chief Resilience Officer, Municipality of Milan)

16.15–16.45

## Coffee Break

16.45–18.15

### 3RD CITIES PANEL / 100RC DESIGNING NEW URBAN SCENARIOS FOR RESILIENT CITIES

Designing new urban scenarios for resilient cities

speakers: Enrique Penalosa (Mayor of Bogotá) / Efrat Makin-Knafo (Chief Resilience Officer Tel Aviv Yafom, Israel) / Elliott Cappell (Chief Resilience Officer Toronto, Canada) / Denisse Paredes (Deputy Chief Resilience Officer Quito, Ecuador) TBC David Groisman (Chief Resilience Officer Buenos Aires, Argentina) / Duarte Cordeiro (Deputy Mayor, Lisbon, Portugal) / moderator: Piero Pelizzaro

18.15–18.30

## MANTOVA CHALLENGE ADOPTION

18.30–19.00

## CLOSURE OF THE CITIES FORUM

Mattia Palazzi (Mayor, Municipality of Mantova) /

Andrea Murari (Municipality of Mantova) / the Organizing Committee

11.00–13.30

## ITINERARIES

guided naturalist itineraries by Parco del Mincio to discover Bosco Fontana Forest, Carpaneta Forest, natural area on Superiore Lake, Bertone Park and his stork center.

www.wfuf2018.com – en-ww – escursions-in-the-mincio-park.aspx

## PUBLIC EVENTS

9.00–20.00 FUM / Casa Gialla

Photo Exhibition

#### Cambiare la natura delle città. Storie, cifre, notizie e nomi delle foreste urbane e periurbane in Lombardia

curated by ERSAF

9.30–13.00 / 14.30–18.00 Palazzo D'Arco

Exhibition

## Città per le persone. Mostra itinerante dei laboratori REBUS

curated by REBUS. Renovation of public Buildings and Urban Spaces  
organizer: Emilia Romagna Region, Emilia Romagna ANCI, Politecnico di Milano, Ibimet, Proambiente

11.30–12.30 Sala Capriate

## Festivaletteratura for WFUF

Fratello albero e sorella Foresta (Italian language)

Quando gli alberi riducono il Magistero del Disordine e possono  
salvare la vita / by Tiziano Fratus

16.15–17.15 Cinema del Carbone

## Festivaletteratura for WFUF

94 passi in giardino (Italian language)

by Lorenza Zambon

18.00–19.30 Sala degli Stemma

#### Verde è Salute / Green is Health-“Cambiamo Aria” con le piante: verde e inquinamento atmosferico

speaker: Pier Mannuccio Mannucci (Direttore Scientifico della  
Fondazione Ca' Granda Ospedale Maggiore Policlinico di Milano)  
Scientific Advice: ISS Istituto Superiore di Sanità

## NIGHT EVENTS

18.30–22.30 Piazza Erbe, Rotonda San Lorenzo

## Planet Forest / Audiovisual installation

Virtual landscapes, imaginary scenarios, a continuously moving observatory  
and an infinite Forest by Propp



## Honours Committee

**Mattia Palazzi**

Sindaco Città di Mantova

**Federico Bucci**

Prerettore del Politecnico di Milano, Polo Territoriale di Mantova

**Marco Marchetti**

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FAO Assistant Director-General Forestry Department

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**Carlo Calfapietra**

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**Cynnamon Dobbs**

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## Communication

Ufficio stampa del  
Comune  
di Mantova

Area Comunicazione  
e Relazioni  
Esterne Politecnico  
di Milano

FAO Newsroom

54words

LifeGate

Siglacom

World Forum on  
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