



**World Forum on
Urban Forests**
Washington DC, 2023

2nd World Forum on Urban Forests

**Greener, healthier and happier
cities for all**

**Washington, D.C.
16-20 October, 2023
Renaissance Washington, D.C. Downtown Hotel**

Draft programme



Sunday 15 October - Pre-Forum Events

Trees and Tech Summit – Organized by PlanIT Geo – Location / Time TBD

Urban Forest Soils Genomics Workshop – Organized by US Urban Forest Soil Genomics – Location / Time TBD

Monday 16 October – Healthy cities

08:00-10:30 **Plenary session – Potomac Ballroom**

08:00-09:00 **Opening Ceremony**

09:00-09:30 **Setting the scene**

09.30-10.00 **Keynote presentation: Aruni Bhatnagar**, Professor, University of Louisville / *The Indissoluble Bond Between Nature and Health*

10.00-10.30 **Keynote presentation: Frances Kuo**, Professor, University of Illinois/ title of presentation tbc

10:30-11:00 **Coffee Break**

11:00-12.30 **Parallel Sessions - Voluntary presentations**

Potomac Ballroom

Session 1.1 Elysium: *Creating the policy and legal framework to support the role of urban forests as public health infrastructure*

Anna Sunding: The relationship between green infrastructure and public health in land use planning

Martha Liliana Perdomo Ramírez: Urban Forests for Life: The public policy in Bogotá D.C

Kathleen Wolf: Nature in Urban Planning for Better Human Health

Corinne Bassett: Fulfilling the promise of urban forestry: How do we align site-level urban forest management to achieve city-wide plans?

Thomas Campagnaro: On tree-related microhabitats in urban areas

Germán Tovar Corzo: Bogotá's pruning plan, an essential planning and governance instrument

River Birch Ballroom

Session 1.2: Barefoot in the Park: *How contact with nature can affect our health and wellbeing.*

Matthew López-Jensen: Creative Community Engagement Strategies for Green Infrastructure Projects

Diana Marcela Paredes Céspedes: Effects of nature immersion therapy: Results from a pilot study

David Meshoulam: Community Tree Stories: Exploring Healthy Environments in Three Boston EJ Neighborhoods

Rachelle Lim: Introducing a Human-Centered Planting Metric

Dr. Won Sop Shin or Dr. Tamberly Conway: Healing Power of Nature: Forest Therapy in Action

Cinnamon Dobbs: Type of nature users: pathways towards our health and wellbeing

Anacostia D/E

Session 1.3 In the Cool of the Day: *The role of urban forests in improving microclimate and reducing the heat island effect.*

Yehan Wu: Amount and distribution of street trees for cooler neighbourhoods

Yadong Qi: Urban Tree Canopy Reduction of Solar Ultraviolet Radiation: Mechanism and Assessment

Hyacinthe Ngwijabagabo: Analysis of urban forest effects on urban microclimate: a case study of Nyarugenge Sector, Kigali City, Rwanda

Lihua Cui: Quantifying tree canopy volume's effect on human thermal comfort within urban parks using a 3D laser scanner.

Mohammad Rahman: Melting cities and our cool trees -mitigation potentials

Jenni Garden: New Tools that Provide the Evidence of How Many Trees and Where, to Maximise Co-Benefits: Case Studies from Australia

12.30-13.30 **Lunch break**

13.30-15.00 **Side events**

On site

Potomac Ballroom

Community Fruit Trees -Organised by The Giving Grove

River Birch Ballroom

Leaf your Worries Behind: How Trees Promote Health by Helping Us Breathe Easier Amidst Air Pollution - Organized by Rutgers Robert Wood, Johnson Medical School

Anacostia D/E

Phytoremediation: Trees as “green medicine” to heal earth, bodies, and minds from urban pollution - Organized by USDA Forest Service

Off site

TBD (See last page for approved affiliated events happening outside the hotel. If your event is listed, please update cschoch@arborday.org with the date/place your event will take place ASAP so it can be correctly included in the agenda.

15.00-16.30 **Parallel sessions – Voluntary presentations**

Potomac Ballroom

Session 1.4 In the Cool of the Day: *The role of urban forests in improving microclimate and reducing the heat island effect.*

Peter Ibsen: Addressing interactions between landcover and urban heat at local and regional scales

Fabio Salbitano: The greener the cooler. Earth observations and AI to check the performance of Urban Forest in contrasting heat islands

Nayanesh Pattnaik: Beyond Canopy Coverage: The Impact of Shrubs and Evaporative Cooling on Human Thermal Comfort in Urban Forests

Katrina Henn: Monitoring urban surface temperatures using UAV-derived thermal imagery

Dorine Canonne: Impacts of water restriction on the development of urban trees and their associated climate services.

Sharon Onyango: Tree Species Influence in Reducing Urban Heat Island Effects in Local Climate Zones of Nairobi City, Kenya

River Birch Ballroom

Session 1.5 Breathless: *How urban forests and trees can contribute to the reduction of air, water and soil pollution.*

Kate Sheldon: Forgotten Places: greening coastal towns and cities in the UK. How trees are breathing new life into Bexhill-on-Sea

James Ball: Can green roofs be used to filter stormwater and reduce floods: Sydney, Australia

Daniel Dinell: Community-driven green infrastructure: an undercanopied neighborhood taking charge and making positive change

Ronald Zalesny: Agroforestry phytoremediation buffer systems reduce water and soil pollution in the Great Lakes Basin, USA

Michelle Catania: Improving Schoolyard Air Quality with Vegetative Buffers

Elizabeth Rogers: A novel approach for enhancing the effectiveness of tree-based remediation systems

Anacostia D/E

Session 1.6 The Garden of Eden: *The role of food forests and urban agriculture in promoting healthy and nutritious food.*

Raviraja Shetty: Cultivating ambassadors for conservation of endangered medicinal plants and promotion of healthier cities through healing gardens.

Soule Moussa: Urban tree-based food production system for climate action and biodiversity conservation in West Africa dryland cities: Insight from Niger

Manfred Muvungi: Using Moringa olifera trees to create "Greener, Healthier and Happier Cities" for all.

Yannick Useni Sikuzani: Fruit trees in residential plots in mining towns in south-eastern DR Congo: diversity, maintenance and uses.

Stéphane Bottéro: La República de las Aves: growing interculturality through collaborative social art practice and bird-friendly urban reforestation in Macas, Amazonian Ecuador

Colette Copic: Supporting healthy and inclusive communities through tree plantings and community-led arboreta

16:30-17:00 **Coffee Break**

17.00-18.30 **Plenary session – Potomac Ballroom**

High Level Discussion Panel – How do urban forests and trees contribute to healthy living?

Panelists:

- **Kathleen Wolf**, Research Social Scientist, University of Washington, US
- **Andrea Mechelli**, Professor of Early Intervention in Mental Health, Kings College, London, UK
- **Liisa Tyrväinen**, Professor, Natural Resources Institute, Finland
- **Won Sop Shin**, Professor, Chungbuk National University, Republic of Korea
- **Jose Siri**, Urban Health Specialist, World Health Organization

19:00 – 20:30 **Main Networking Reception:** The Smithsonian American Art Museum: Kogod Courtyard

Tuesday 17 October - Inclusive cities

08:15–10:00 Plenary session – Potomac Ballroom

08:15-08:30 **Wake up call**

08:30-09:00 **Keynote presentation:** Mr Jad Daley, American Forests / “*Tree Equity: an intersectional solution for climate, health, and economic opportunities*”

09:00-09:30 **Keynote presentation:** Brenda Richardson OMA/ 11th Street Bridge Park Organization / “*Memory Forests - Rooted in Racial Equity*”

09:30- 10:00 **Keynote presentation:** Stefano Boeri, Stefano Boeri Architetti / “*Green Obsession: Trees Towards Cities, Humans Towards Forests*”

10.00-10:30 Coffee Break

10:30-12.00 Parallel Sessions - Voluntary presentations

Potomac Ballroom	River Birch Ballroom	Anacostia D/E
<p>Session 2.1 Modern Times: <i>Promoting innovation, new technologies and future visions for inclusive urban forests</i></p>	<p>Session 2.2 No Country for Old Men: <i>Planning, designing and managing urban forests to make them more accessible and inclusive.</i></p>	<p>Session 2.3 Castle in the Sky: <i>Creating and sharing new knowledge and supporting education on equitable access to ecosystem services.</i></p>
<p>Devon Provo: Living Infrastructure Field Kit: An Open-Source Community Engagement Tool for Urban Forestry Management</p>	<p>Cecil Konijnendijk: Groves, streetwoods and doorstep trees: New concepts for inclusive and meaningful urban forestry</p>	<p>Lotte Dijkstra: Accessible Urban Forestry Education: Introducing the FAO e-Learning Course 'Introduction to Urban and Peri-Urban Forestry'</p>
<p>Mads Christensen: Applying novel satellite technology to inform design and management of urban forests.</p>	<p>Erika Svendsen: Why civic stewardship matters for urban forestry: Insights from 15 years of visualizing local environmental action via STEW-MAP</p>	<p>Elena Craig: Local Governance models about community participation in Buenos Aires province, Argentina</p>
<p>Tim Johnson: Treenet: Promoting and Leading Urban Forest Research, Knowledge, and Networks in Australia</p>	<p>John McNeil: Planning for more equitable Tree Cover within Urban Forest Management Strategies</p>	<p>Jason Henning: i-Tree 2023, more tree benefit science and easier to use</p>
<p>Rik De Vreese: The Uforest project - providing training and education for urban forests as nature-based solutions.</p>	<p>Maria Arroyave: Urban Forest Ecosystem Services and Stewardship: Case studies from Mexico and Colombia</p>	<p>Lindsay Campbell: Transdisciplinary and arts-centered approaches to stewardship and sustainability of urban forests</p>
<p>Ian Hanou: Under Cover: Planting Priorities, Equitable Canopy, and Technology</p>	<p>Daniela Gambino: Forestami, a collective challenge for a new ecological way of thinking</p>	<p>Tonya Lister: Urban Forests and Equity: Exploring the Distribution of Ecosystem Services in Several U.S. Cities through a Social Vulnerability Lens</p>
<p>Jai Sandhu: Wild Streets, the world's first Augmented Reality app for urban greening and co-design</p>	<p>Christine Carmichael: Inclusive and International: Sharing Effective Community Engagement Strategies Across Borders</p>	<p>Luana Vargas: Branding and Identity in Arboriculture -Why it matters in expanding diversity</p>

12.00-13.00 Lunch Break

13.00-14.30 Side events

Onsite

Potomac Ballroom	River Birch Ballroom	Anacostia D/E
<p>Dialogue on Federal to Local Action in Nature-deprived Communities: SUFC -</p> <p>Organized by Sustainable Urban Forests Coalition (SUFC)</p>	<p>How to make the Most of Tree Equity Score – Organized by American Forests</p>	<p>Urban Shift: Leveraging urban biodiversity & forests to create inclusive and equitable cities – Organized by UN Environmental Programme</p>

Offsite

Tree Tales: Workshop intersectional belonging in practice - Organizers: Newcastle University Institute for Social Science – Location TBD

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14:30-16.00 Parallel sessions - Voluntary presentations

Potomac Ballroom	River Birch Ballroom	Anacostia D/E
<p>Session 2.4 The Divide: <i>Promoting equal distribution of green spaces and environmental services.</i></p> <p>Michael Kelley: City of Pittsburgh Tree Equity Initiatives</p> <p>Molly Coddling: Centering Community in Community Forests: How state agencies partner with environmental justice communities to ensure equitable distribution of urban canopy.</p> <p>Katherine Korba: Syracuse Urban Food Forest Project: Biocultural Restoration for Canopy, Ecology and Community Equity</p> <p>Jessica Sanders: Holistic stewardship - engaging the public in all aspects of trees from seed to slab</p> <p>Chiara Gibertini: Priorities for afforestation areas on a national scale</p> <p>Tom Ebeling: Overcoming Barriers to Community Tree Planting in Chicago</p>	<p>Session 2.5 The Fundamentals of Caring: <i>Developing urban forests and green spaces accessible to all regardless of gender, age, physical ability, etc.</i></p> <p>Shane McQuillan: Urban Nurseries Grown by the People of our City!</p> <p>Lauren Marshall: The Future of Sustainable, Equitable Forest Cities</p> <p>Erin Glen: Equitable Climate Action: leveraging open-source tools to integrate forests and trees into local land use planning</p> <p>Thomas B. Randrup: ParkLIV - an approach to increased urban forests accessibility; the non-physical dimension</p> <p>Jessica Quinton: "The causation is land and money": Urban green practitioner and planning perspectives on green gentrification</p> <p>Johan Östberg: The 3-30-300 rule in practice</p>	<p>Session 2.6 People Like Us: <i>The role of urban green space in strengthening social cohesion and reducing conflicts and crime.</i></p> <p>Gül Aktürk: Co-designing Public Procurement of Green Spaces in the case of Amsterdam, Netherlands</p> <p>Camilo Ordonez Barona: An assessment of urban forest management plans and their implementation in Canada</p> <p>Heather Wilson: Tree Week: Harnessing the Power of Celebration and Connection to Galvanize Tree Champions for Climate Resilient Communities</p> <p>Rita Sousa-Silva: Surveying German Attitudes Towards Urban Green Spaces: The Key to Resilient Cities and Climate Adaptation</p> <p>Amy Bell: Albuquerque NeighborWoods: It Takes a City</p> <p>Oleksandra Khalaim: Community Engagement in Urban Forest Inventories Using i-Tree Eco Under War Conditions in Ukraine: iTREE4UA Project Experience</p>

16:00-16.30 **Coffee Break**

16:30-18.00 **Plenary session – Potomac Ballroom**

High Level Discussion Panel - How do we promote equal access to the services of urban forests?

Panelists:

- **Cassandra Johnson Gaither**, Research Social Scientist, USFS
- **Laura Petrella** – Chief, Planning, Financing and Economy, UN Habitat
- **Abdallah Tawfic**, Architect, Urban Green Egypt
- **Johanna Gibbons**, Landscape architect, J&L Gibbons
- **Matt Spitsen**, Program Manager – Alliance for Community Trees, Arbor Day Foundation

Networking/social events

18:30 **Sustainable Urban Forests Networking Reception** – Organized by SUFC – Location: 2044 Rayburn House Office Building, Washington, DC 20024

Society of Municipal Arborists Award Ceremony and Reception - Organizers: Society of Municipal Arborists (SMA) – Location/Time: TBD

Wednesday 18 October – Resilient cities

08:15-10:00 Plenary Session – Potomac Ballroom

08:15-08:30 **Wake up call:** tbc

08:30-09:00 **Keynote presentation:** Mayor of City (tbc) - Plenary

09:00-09:30 **Keynote presentation:** TBC, Officer, C40 - Plenary

09:30-10:00 **Keynote presentation:** Tamsin Faragher, Principal Resilience Officer, City of Cape Town

10:00-10:30 Coffee Break

10:30-12:00 Parallel Sessions – Voluntary presentations

Potomac Ballroom

Session 3.1 Metropolis: *Creating the policy and legal conditions to ensure that role urban forests in urban resilience is duly recognized*

Juan Orgaz Espinoza: Towards a biodiversity strategy and governance for the city of La Paz - Bolivia

Cheng Wang: For more resilient city: National Forest Construction Programme in China

Keith O'Herrin: Borrowed Credentials and Surrogate Professional Societies: A Critical Look at the Urban Forestry Profession

Richard Hauer: Growing Resilient Trees and Urban Forests Through Standards of Care

Melissa Westbrook: Building Towards a Future of Resiliency at the Historic U.S. Capitol Grounds

Somidh Saha: Combining inter-and transdisciplinary research approaches to increase the resilience of urban forests to climate change impacts in southwest Germany

River Birch Ballroom

Session 3.2 Do the right thing: *Planning, designing and managing the urban forest to strengthen its resilience to external shocks.*

Kasey Yturralde: Look up: Shifting the urban forest composition in Washington, DC to enhance climate resilience

Padde Daniel: Kampala Urban tree audit and Forestry plan

Xiangrong Wang: Eco-efficiency Evaluation on Skyrise Greenery and Urban Forest

Itzel Castro Mendoza: How much does the urban tree shade help in saving electricity consumption at Monterreal neighborhood of Tuxtla Gutierrez City, Chiapas?

Marisa Repka: Holistic Biomass Management: Integrating Workforce Development and Wood Utilization in Philadelphia

Nancy Sonti: Selection in the City: A nursery supply chain analysis explores domestic selection of Baltimore's trees

Anacostia D/E

Session 3.3 Wall-E: *Promoting innovation, new technologies and future visions on the role of urban forests and trees to address climate change.*

Stephen Sheppard: Beyond education and engagement: How the Oak Bay Coolkit Program empowers Climate Champions in greening private and public land.

Mariana Dias Baptista: No easy shortcuts to a 'green future': lessons from imagining 2050s desired urban futures in six cities

Chloe Treger: Trees as Infrastructure: Driving investment in urban NbS - interim learnings from our case study in Glasgow, UK.

Jeff Carroll: Cornering A Unicorn: Forging An Urban Wood Marketplace At Scale

Julia Meisel: Growing to Its Potential: The Value of Urban Nature for Communities, Investors, and the Climate

Pierre Sicard: Canopy-based Classification of Urban Vegetation from Very High-Resolution Satellite Imagery

12.00- 13.00 **Lunch Break**

13.00- 14.30 **Side events**

Onsite

Potomac Ballroom	River Birch Ballroom	Anacostia D/E
MyTree: A tool for assessing the benefits of individual urban trees – Organized by US Forest Service	Training the Urban Foresters of tomorrow: connecting Europe, America and Africa experiences – Organized by Etifor	From Concrete to Canopy: Restoring Biodiversity and Ecosystems through Urban Forests - Organized by UN Environment Programme

Offsite

TBD (See last page for approved affiliated events happening outside the hotel. If your event is listed, please update cschoch@arborday.org with the date/place your event will take place ASAP so it can be correctly included in the agenda.

14:30- 16.00 **Parallel sessions – Voluntary presentations**

Potomac Ballroom	River Birch Ballroom	Anacostia D/E
<p>Session 3.4 Some Like it Hot: <i>Creating and sharing new knowledge and supporting education on the contribution of forests and trees to adaptation and mitigation to climate change.</i></p> <p>Michelle Leishman: Which Plant Where - climate-ready plant selection for resilient urban forests</p> <p>Lindsey Mitchell: Now, More than Ever - How Open Access Research is Helping Urban Forestry Professionals Face a Rapidly Changing World</p> <p>Dave Muffly: Strange Paths to Paradigm Shift: How Steve Jobs Helped California Adapt To Climate Change</p> <p>Elida Fundi: A case study of MJUMITA sustainable charcoal production model in Community based forest management (CBFM), Tanzania, East Africa.</p> <p>Murphy Westwood: How healthy, diverse urban forests can support threatened trees in the wild and mitigate the impacts of climate change</p> <p>Catharine Watson: From hardscape to welcoming greenscape: grass and diverse trees transform a highway in Nairobi inspiring replication</p>	<p>Session 3.5 The Day of the Triffids: <i>How to manage risks associated with urban forests (invasive species, allergies, fires, breakages, falls).</i></p> <p>Andrew Tilman: Public policy for management of forest pests within an ownership mosaic</p> <p>Jan van Zutphen: Montgomery Parks' Innovative Urban Forest Risk Management Program</p> <p>Heather Johnstone: The role of youth voice in urban greening for climate adaptation and mitigation: A Millennium Kids Green Lab case study</p> <p>Paloma Cariñanos: Urban forests and related pollen allergy: from the Phantom Menace to the new Hope.</p> <p>Serena Sofia: The potential of the Handheld Mobile Laser Scanner (HMLS) tool in urban forest planning to design canopy consolidation interventions</p> <p>Francisco J Escobedo: Wildfire alters the spatial and temporal dynamics of urban forest ecosystem services and disservices in California, USA</p>	<p>Session 3.6 Do the right thing: <i>Planning, designing and managing the urban forest to strengthen its resilience to external shocks.</i></p> <p>Mark Ambrose: Species Diversity in Public Urban Forests Across North America</p> <p>Eric Bridges: Mechanisms affecting early establishment limitation of native overstory trees in an urban forested natural area.</p> <p>Eleonora Franceschi: How do environment and climate change impact urban tree growth? Reaction to drought and heat stress for a temperate city.</p> <p>Natalie van Doorn: 5 steps towards expanding your planting palette with climate-ready trees (lessons learned from California)</p> <p>Hanbyul Jo: Interactive Visualizations of Science Data Reveal the Viability of Forests Due to Climate Change</p> <p>Leslie Brandt: A climate change vulnerability assessment framework for urban forests</p>

16.00-16.30 **Coffee Break**

16.30-18.00 **Plenary Session - High Level Discussion Panel – Potomac Ballroom**

How can urban forests and trees make our cities for resilient to external shocks?

Panelists

- **Mirey Atallah**, Head, Nature for Climate Branch, UNEP
- **Jennifer Lenhart**, Global Lead, Cities Programme, WWF
- **ICLEI** - Speaker to be confirmed
- **Ted Endreny**, SUNY
- **Francisco Escobedo**, Research Scientist, USFS

18:00-18:30 **Closing of the Forum – Potomac Ballroom**

Day 4 – Affiliated events/field trips (Thursday 19 October)

08:00- 12:00 **SMA/SUFC Events**

Other affiliated events

Field trips

09:00- 17:00: Casey Trees Farm/ DC State Nursery/ Sawmill Demo & Tour – Sponsored by the Urban Wood Network

09:00- 12:30: Smithsonian Gardens/ National Mall

09:00- 12:30: Architect of the Capitol Grounds & US Botanic Garden

13:00- 16:00: US National Arboretum

13:00- 16:00: Tree Tour by Bicycle

Training

08:00-09:30 Urban Forest Inventory & Analysis Overview

09:30- 11:00 TBD

Networking

14:00- 17:00 **Forum of Fora** (Meeting of Representatives of Regional Fora on Urban Forests) **tbc**

18:00- 20:00 **Tree Cities of the World Networking Reception** (Invitation only) – Organized by the Arbor Day Foundation –
Location: National Press Club, 529 14th St NW, Washington, DC 20045

Day 5 – Cities Forum (Friday 20 October)

09:00- 17:00 **Cities Forum - Baird Auditorium, National Museum of Natural History**

Opening

Tree Cities of the World

Improving access and equity through urban forests

Scaling impact through partnerships

Protecting residence in an age climate change



Approved Affiliated Events Offsite

(Date /Location/Time to be confirmed)

- **Urban Forested Natural Areas: A Panel & Reception - The power of data and networks to increase forest health, combat climate change, and provide access to urban nature** – Organized by Natural Areas Conservancy - Location /Date TBD (Oct 17-18)
- **The multi-sensory urban forest: Many ways of knowing, sensing, and caring** – Organized by USDA, Northern Research Station - Location: MLK Library, Date TBD (Oct 16-18)
- **Tree Equity Workforce Programs - TEW N Meet-Up** - Organizers: American Forests - Location / Date TBD (Oct 16-18)
- **Collaborative Learning on urban forests as nature-based solutions in China and Europe - outcomes of the CLEARING HOUSE project** - Organizer: European Forest Institute – Date TBD (Oct 16-18)
- **Block by Block Training Session: Using Minecraft as a participatory design tool to co-design green public spaces** -Organizer: UN Habitat – Date TBD (Oct 16-18)
- **Uncovering Stewardship in Latin America** – Organizer: USFS IP Mexico – Date TBD (Oct 17, 18)
- **Building Urban Forest Leadership with Canopy Experiences** – Organizer: Canopy Watch International – Dates: October 18-19th – Location: TBD

Post Forum Events

Friday October 20

Healing Power of Nature - Forest Therapy in Action – Organized by US Forest Service – Location: US Department of Agriculture Main Building / USDA's People's Garden – Time: TBD

Friday October 20 – Sunday October 22

North American Tree Climbing Championship – organized by ISA – Location: Garfield Park, 1-299 South Carolina Ave SE, Washington D.C. 20003 – Timing: TBD