



**World Forum on
Urban Forests**

Cities Forum

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Simone Borelli

Urban Forestry Officer, Forestry Division
Food and Agriculture Organization of
the United Nations (FAO)



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Dan Lambe

Chief Executive Officer
Arbor Day Foundation



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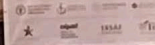
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AERE SOCIALI ANNO MDCCCXXII


World Forum on Urban Forests

Mantova
27/11 -
01/12/2018


World Forum on Urban Forests





World Forum on Urban Forests


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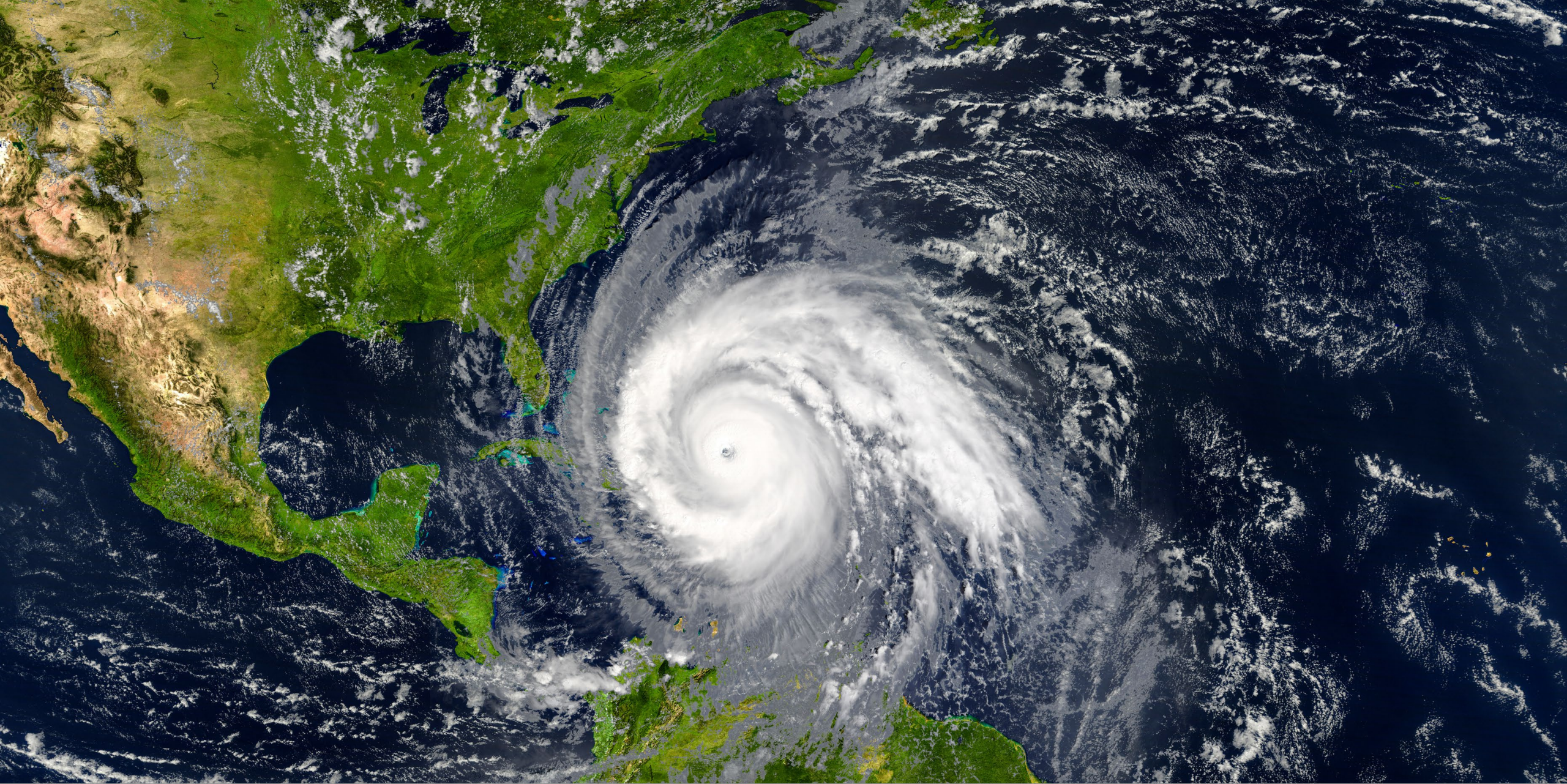
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**“ In a moment of decision,
the best thing you can do is the
right thing to do, the next best thing
is the wrong thing, and the worst
thing you can do is nothing.”**

- FRANKLIN ROOSEVELT



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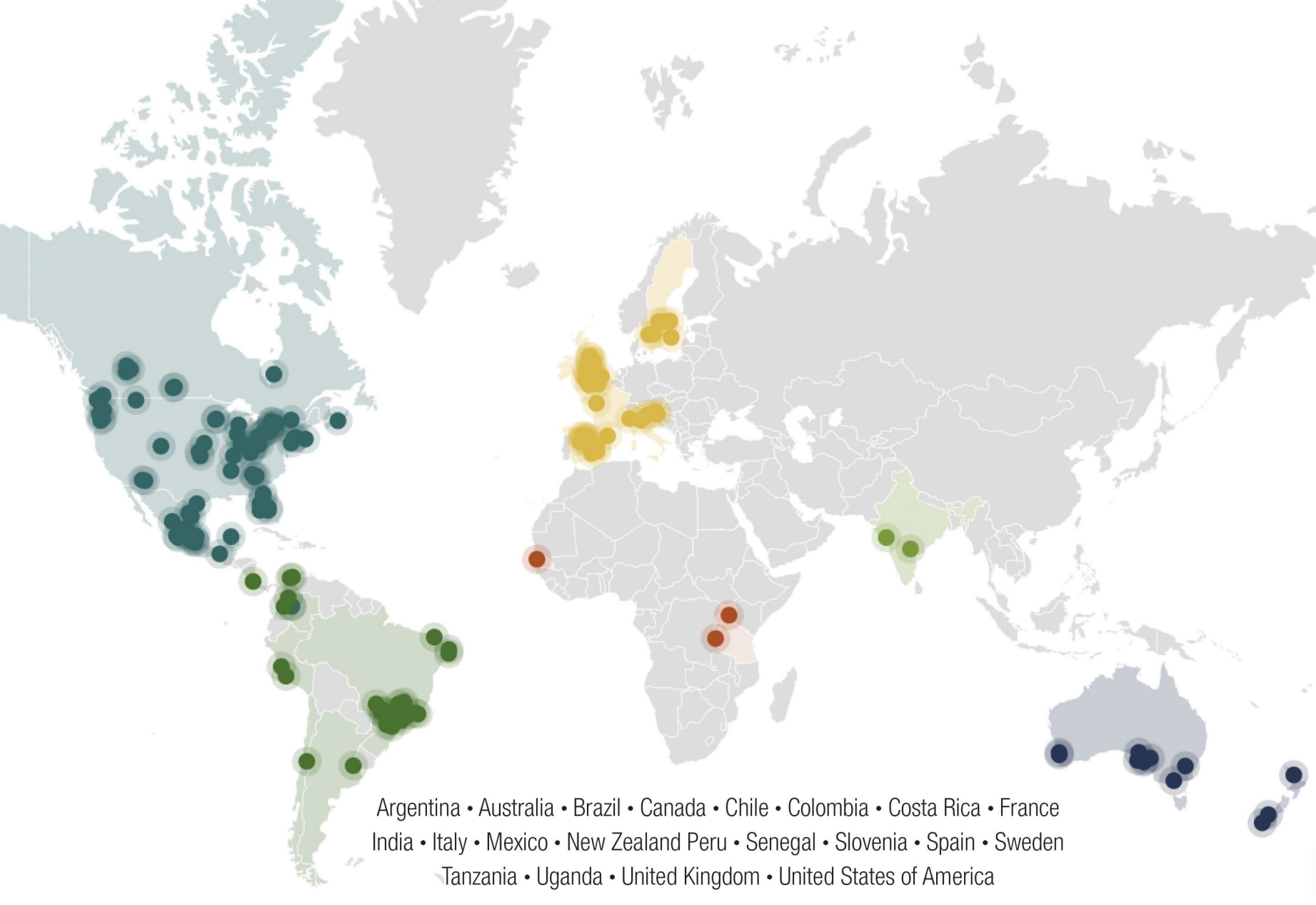


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170
 RECOGNISED CITIES
21
 COUNTRIES



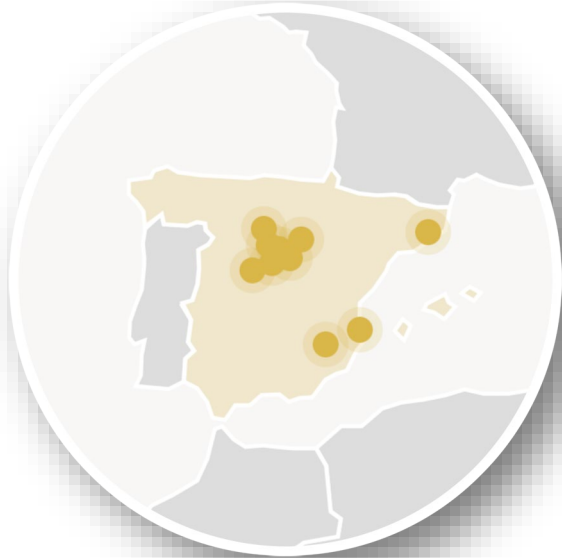
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Fabio Sabitano

Associate Professor
University of Sassari

Livia Shamir

Researcher
Politecnico di Milan



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Earl Eutsler

Associate Director / State Forester
Urban Forestry Division
District Department of Transportation



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Joy Columbus

Director
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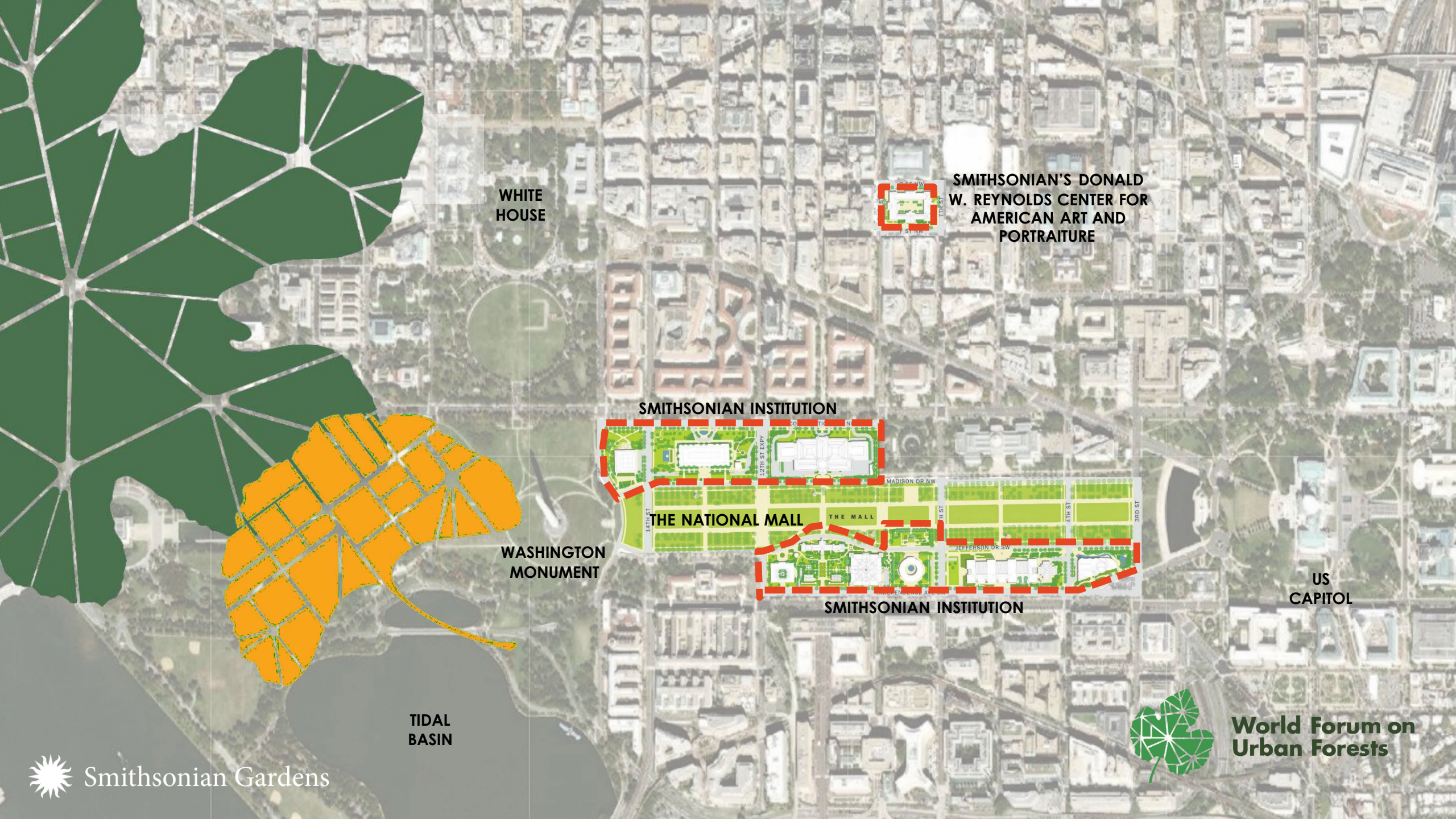


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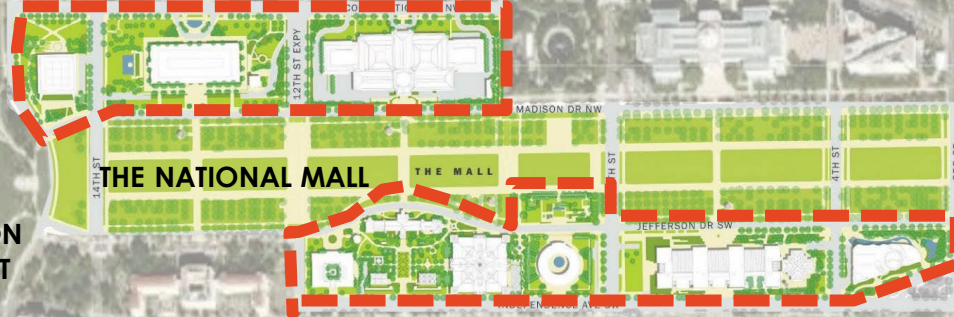


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SMITHSONIAN'S DONALD W. REYNOLDS CENTER FOR AMERICAN ART AND PORTRAITURE

SMITHSONIAN INSTITUTION



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WASHINGTON MONUMENT

US CAPITOL

TIDAL BASIN





SMITHSONIAN GARDENS
A PUBLIC GARDEN AND LIVING MUSEUM OF THE
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Smithsonian Gardens

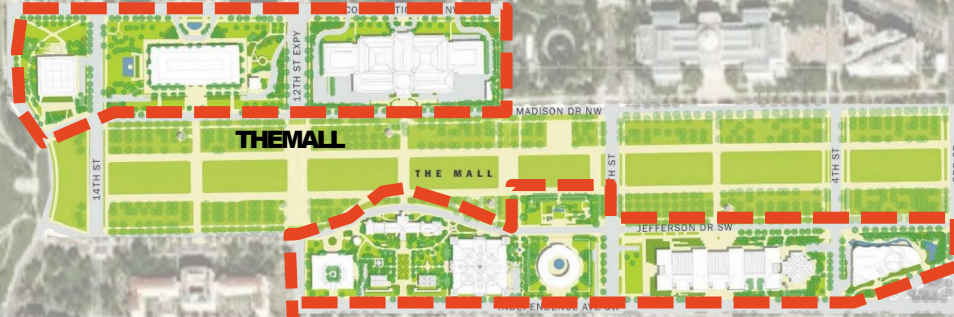
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Alana Tucker

Program Manager, Tree City Programs
Arbor Day Foundation



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What's going on in Tree Cities of the World?

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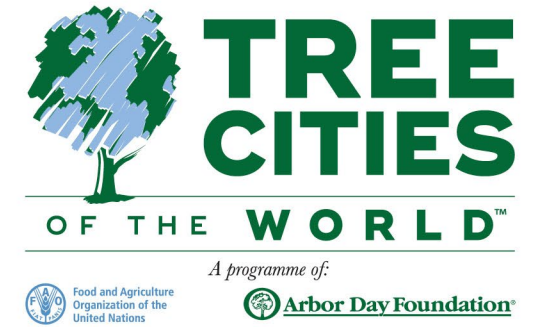
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5 STANDARDS:



- 1 Authority
- 2 Policy
- 3 Inventory

- 4 Investment
- 5 Celebration

Congratulations



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170
RECOGNISED CITIES
21
COUNTRIES

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2022 By the Numbers



17,506,451

TREES PLANTED



864,664

VOLUNTEER
HOURS



\$730,677,391 USD

SPENT ON
URBAN TREE CARE
AND MANAGEMENT



823,912,799

PEOPLE LIVE
IN A TREE CITY



JARDÍN BOTÁNICO DE BOGOTÁ



arbocity



Reforestamos



TreeCanada



treenet



TREES FOR CITIES



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SUSTAINABLE FORESTRY INITIATIVE

Cities4Forests



C40 CITIES



Local Governments for Sustainability



Food and Agriculture Organization of the United Nations



UNITED NATIONS DECADE ON ECOSYSTEM RESTORATION 2021-2030



UN environment programme



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Mayor Minutes:

What's Going on in Tree Cities of the World?



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Mauricio Tabe, Mayor

Miguel Hidalgo, Mexico



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Howell Davies, Principal Specialist for Urban Forestry

Auckland, New Zealand



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THE IMPORTANCE OF TREES In Auckland

The Benefits of Our Trees

- 1. Reducing costs for energy, water, and waste management.
- 2. Reducing greenhouse gas emissions by up to 10%.
- 3. Reducing air pollution and improving air quality.
- 4. Reducing noise and providing shade.
- 5. Reducing stormwater runoff and improving water quality.
- 6. Reducing soil erosion and improving soil health.
- 7. Reducing the urban heat island effect.
- 8. Reducing the risk of flooding and landslides.
- 9. Reducing the risk of drought and water scarcity.
- 10. Reducing the risk of bushfires.
- 11. Reducing the risk of pest and disease.
- 12. Reducing the risk of climate change.

TREE CITIES
WORLD

Auckland Council

Howell Davies



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Onda, Spain



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Jeetendra Pardeshi, Tree Officer

Mumbai, India



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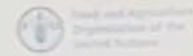
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MUMBAI



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José Luis Martínez-Almeida, Mayor

Madrid, Spain



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MADRID



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Pablo Lemus, President

Guadalajara, Mexico



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Sergio Baños Rubio, President

Pachuca, Mexico



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**Welcome to the World Forum
on Urban Forests 2023.**



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Ramon Torra, General Manager

Barcelona Metropolitan Area, Spain



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Angela Parker, Sustainability Project Coordinator
Todd Lalonde, Parks and Landscaping Supervisor
Justin Towndale, Mayor

Cornwall, Ontario, Canada



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Cornwall
ONTARIO CANADA



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What's Going on in Tree Cities of the World?



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Tree Cities of the World Session Hosted by Arbor Day Foundation

Panel 1: Urban Forestry Successes + Challenges in Tree Cities of the World

HOWELL DAVIES

Auckland, New Zealand

**MARTHA PERDOMO
RAMIREZ**

(with translator/colleague,
Paola Rodríguez)

Bogotá, Columbia

PADDE DANIEL

Kampala, Uganda

ALANA TUCKER, Arbor Day Foundation, Moderator

Howell Davies

Auckland, New Zealand



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Auckland is recognised as a Tree City of the World 2019 - 2022



STANDARDS FOR RECOGNITION

Learn about the five standards that must be met.



BENEFITS OF RECOGNITION

Discover what this programme can do for your city.



NATIONAL PROGRAMME LEADERS


Find support from programme leaders in your country.

90466801




TREE CITIES OF THE WORLD

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Thanks to our collaborators:




treenet



Reforestamos




arboCity





TREES FOR CITIES





TreeCanada




170
RECOGNISED
CITIES 



17,506,451
TREES
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864,664
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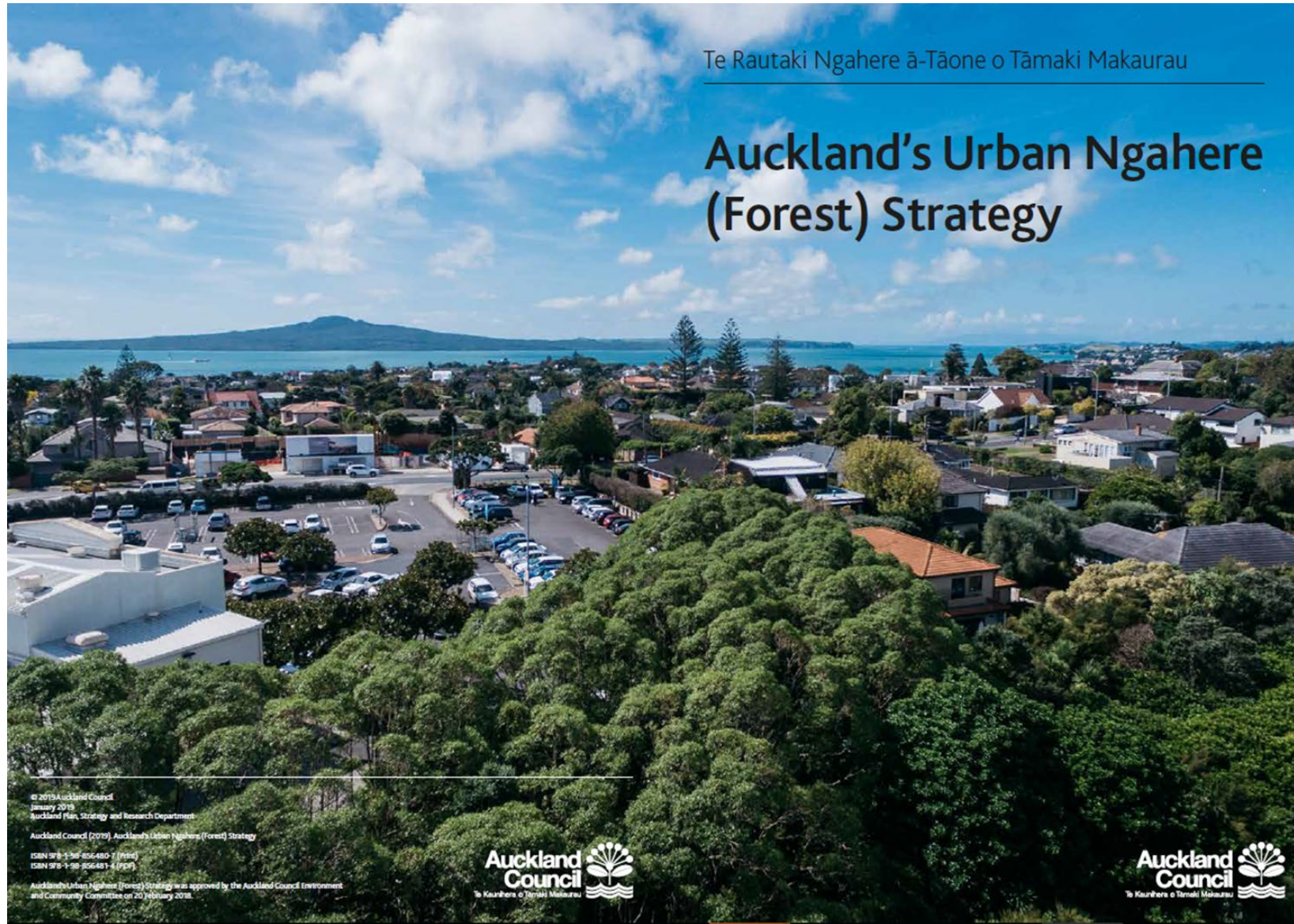


Matariki Planting day Totara Park celebrating our efforts with the community





Te Rautaki Ngahere ā-Tāone o Tāmaki Makaurau Auckland's Urban Ngahere Strategy



Developed over 2 years
and approved by
Auckland Council
Environment committee
in 2018, publically
released in 2019

Parks and Community
Facilities are leading the
programme of
coordinating efforts
across council to help
deliver implementation
of the strategies 18 key
objectives



Why a tree strategy

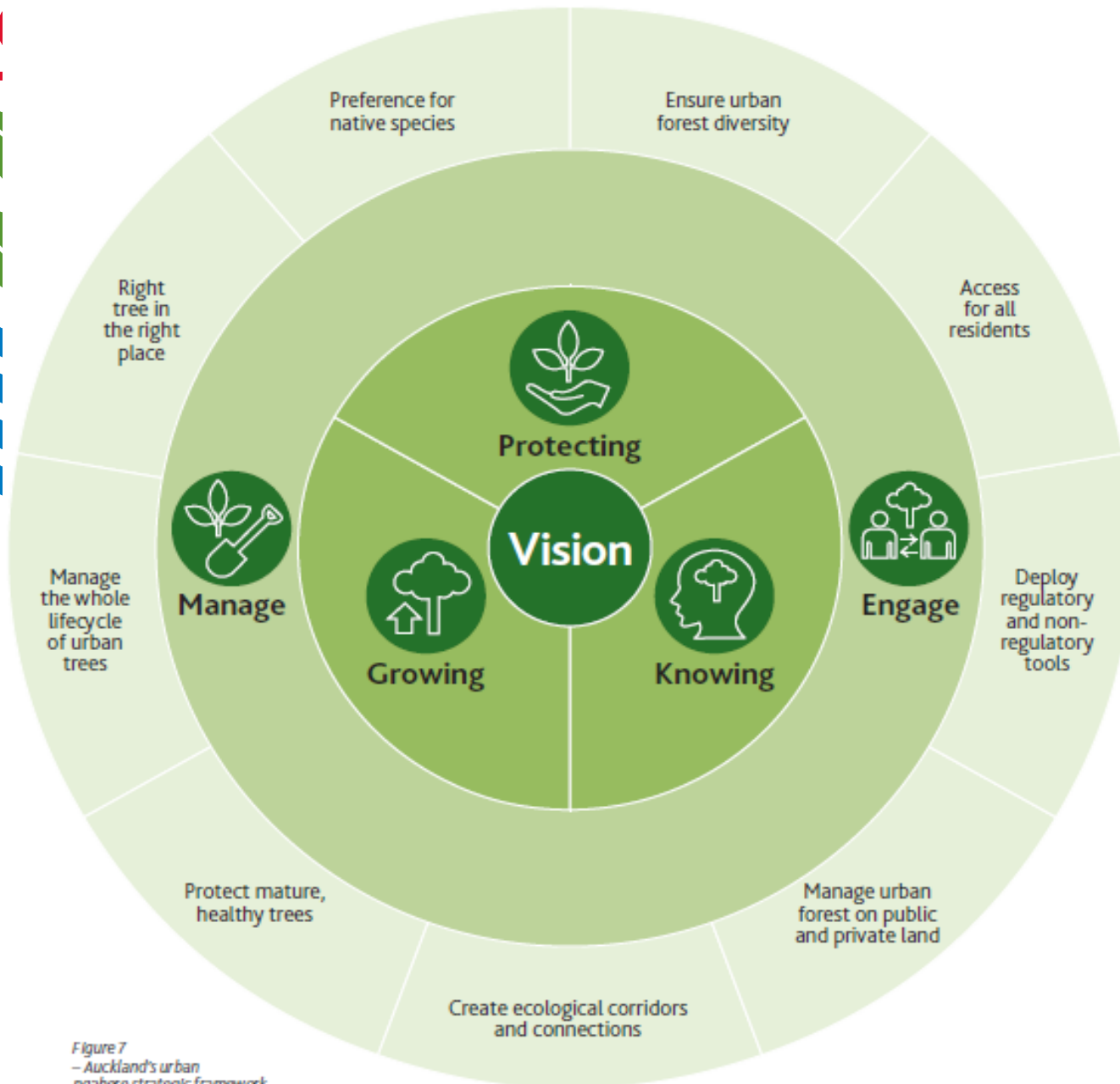


Figure 7
– Auckland's urban
ngahere strategic framework.

A healthy urban forest provides a wide range of benefits, but is under pressure from:

- **Urban growth and intensification**
- **Amendments to the RMA lifting blanket tree protection in urban areas**
- **Pests and diseases**
- **Impacts of climate change**

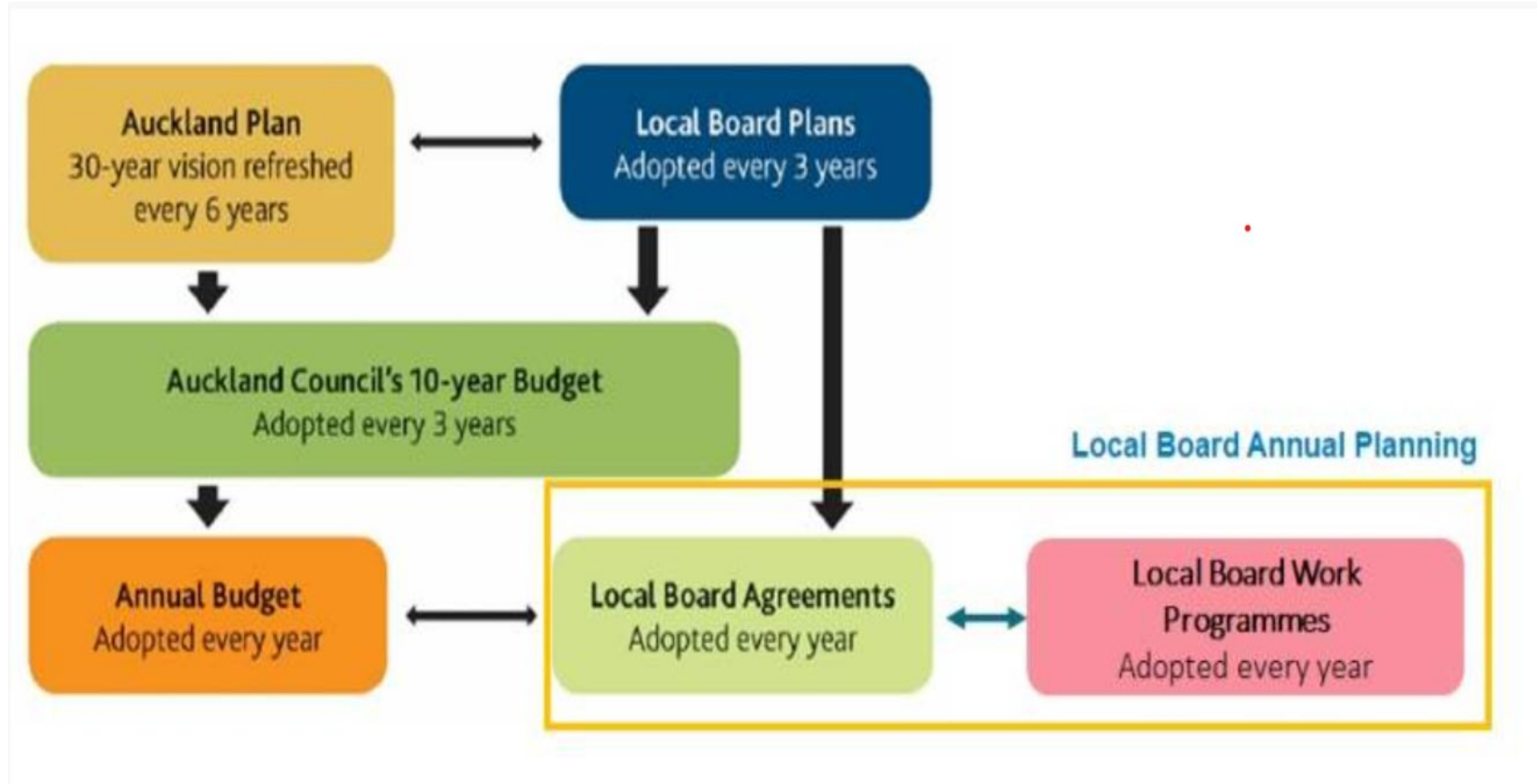
A strategic response to:

Work towards a shared vision, and agreed set of principles, objectives and key actions

Maximise the benefits of Auckland's urban forest



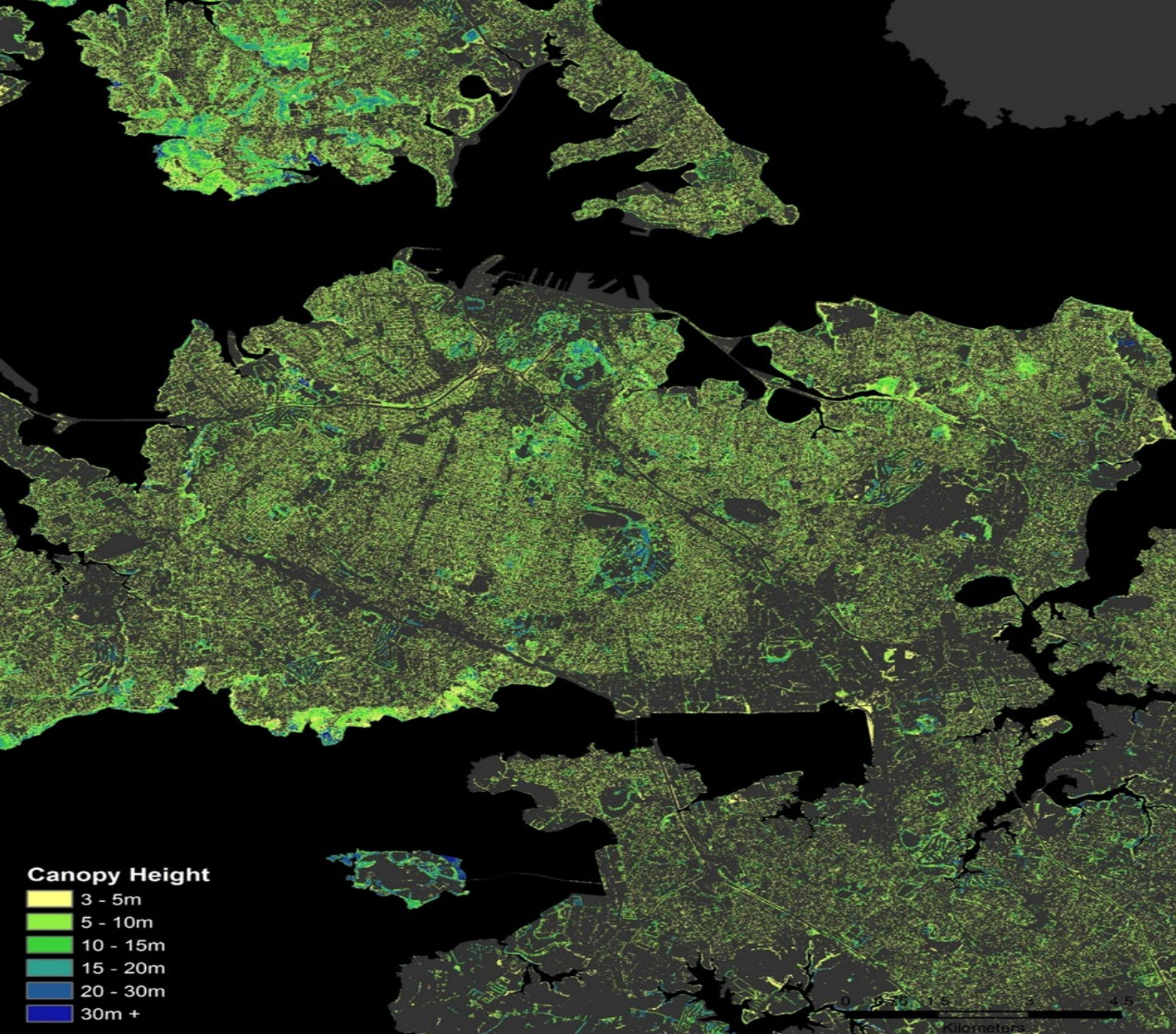
Ngahere program challenges



The Ngahere programme is part of Long-Term Plan Climate funding package. This provide \$14 million over 10 years to fund the ngahere programme

2018-2023 - 16 Local Boards have joined the Ngahere program and provided funding through Locally Driven Initiative opex & capex funding





How do we measure tree canopy coverage

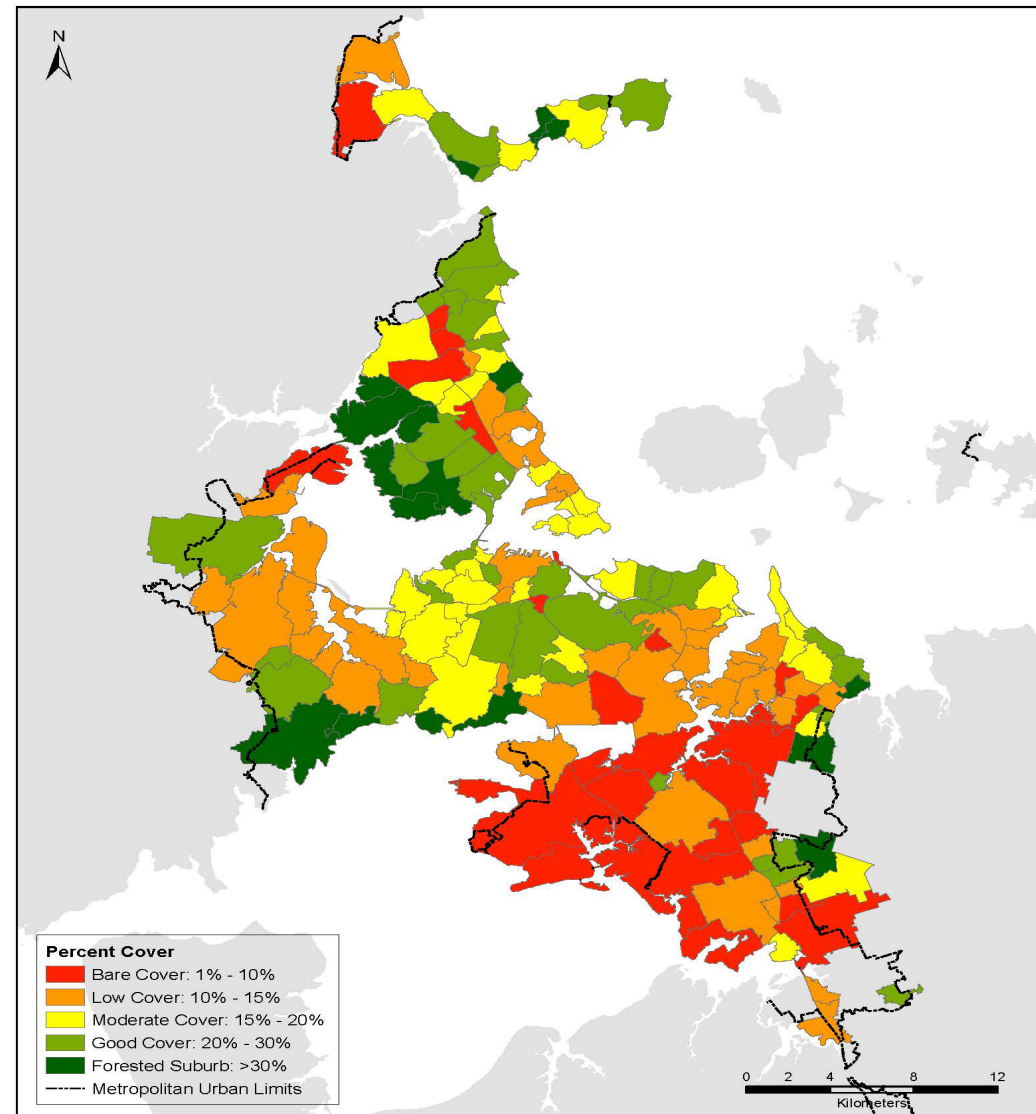
LIDAR – Light detecting and ranging
Basically, Sonar from a plane

Aerial analysis capturing over 1 Terabyte of data

The data is processed to produce a point cloud data set which is then used to develop visual maps of tree coverage



'Knowing' – analysis the data to inform future actions



Dark green is awesome >30%

Green is good > 20%

Red is bad >10%

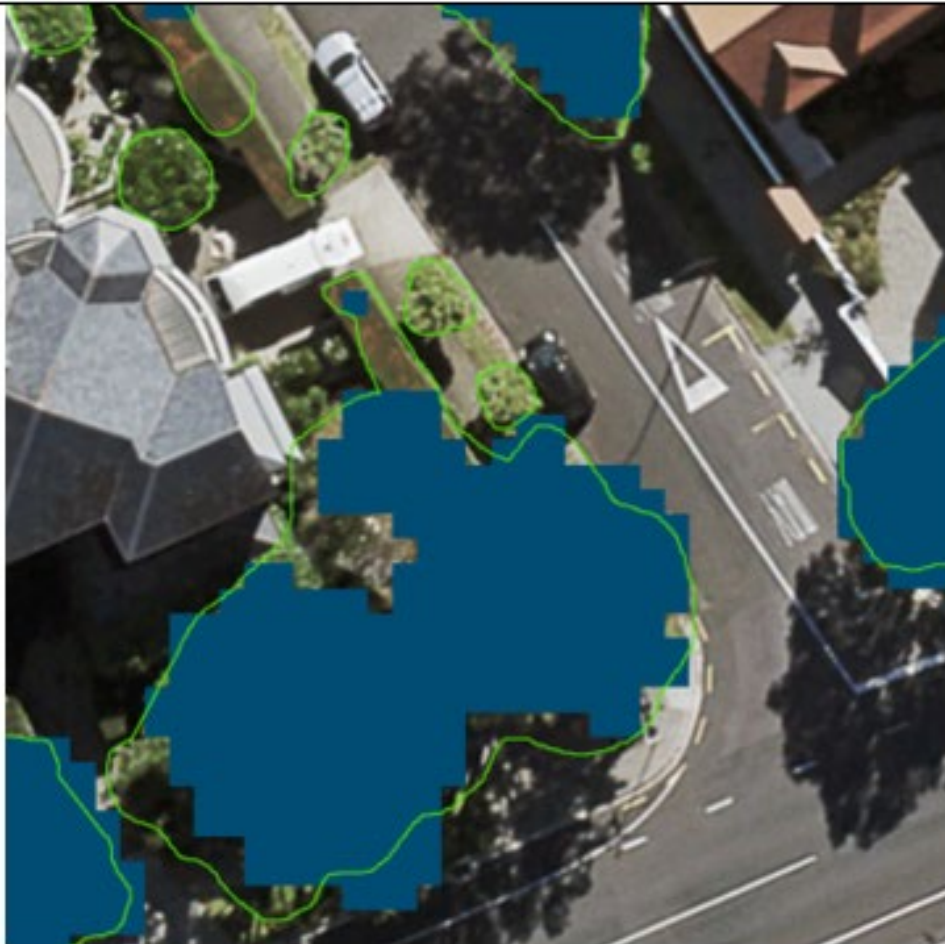
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Urban Forest
 Canopy Cover by Suburb

Map Produced by
 Research &
 Evaluation Unit,
 Auckland Council



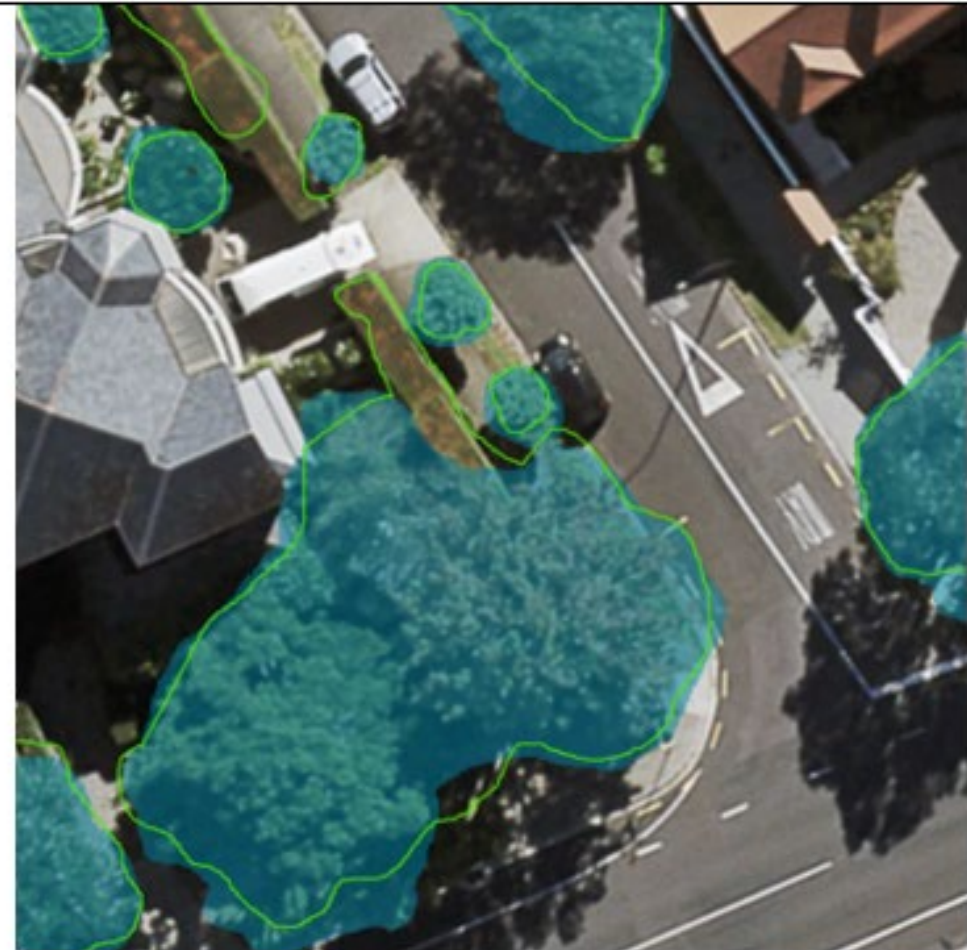
LiDAR Verse AI – Machine learning for Canopy cover analysis



 Reference Canopy Cover

LiDAR (CHM)

The CHM has a resolution of 1m/pixel. As a result, the canopy edges are less smooth than the Aerial AI canopy. Some low vegetations are also missed in CHM. Both contributes to a relatively low recall.



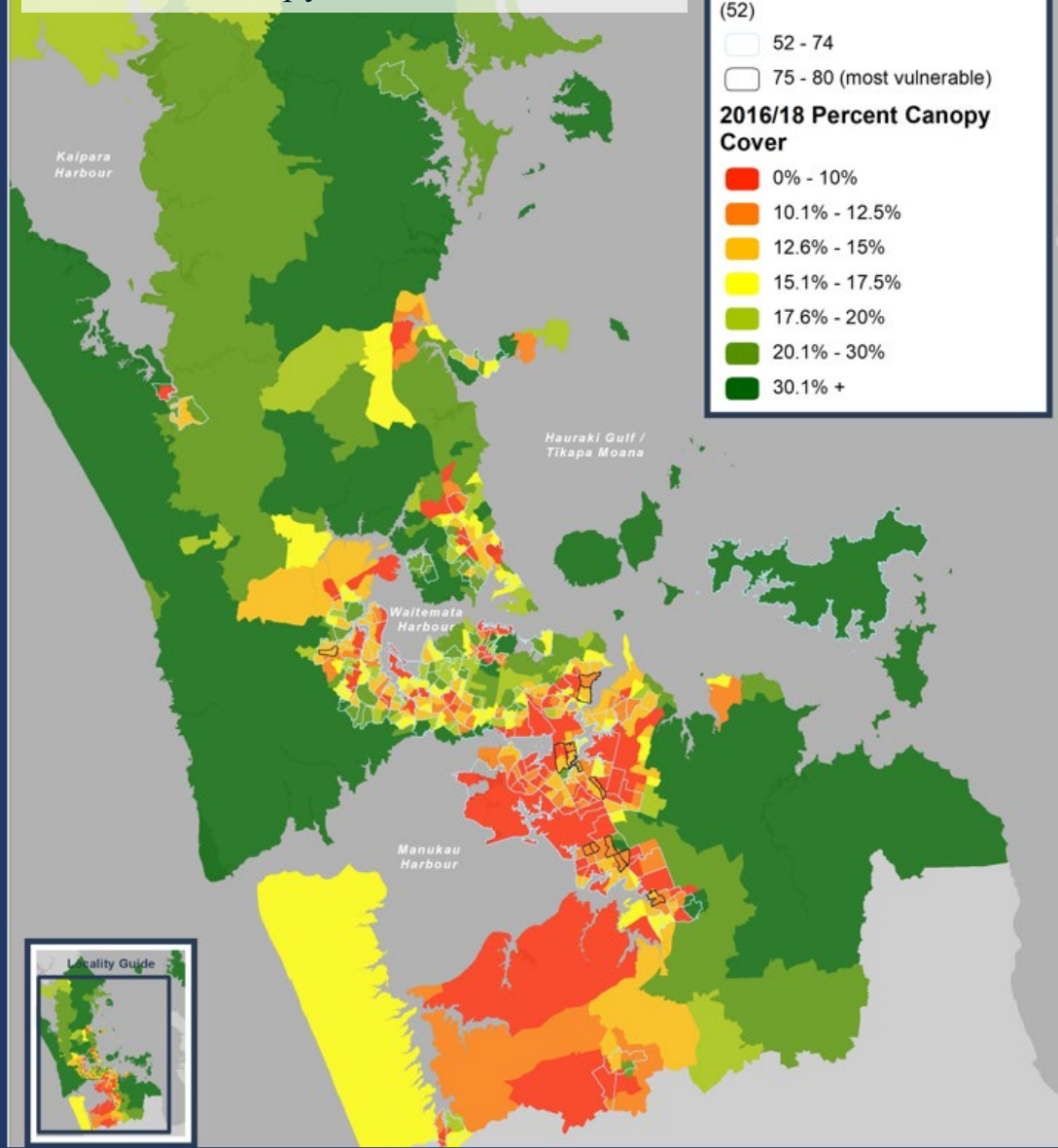
Aerial AI

The aerial canopy has a resolution of 0.0075m/pixel, which provides more accurate delineation on crown edges.





Heat Vulnerability Index (HVI) at risk areas vs. canopy cover

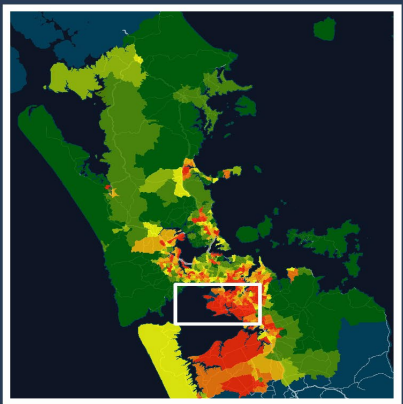
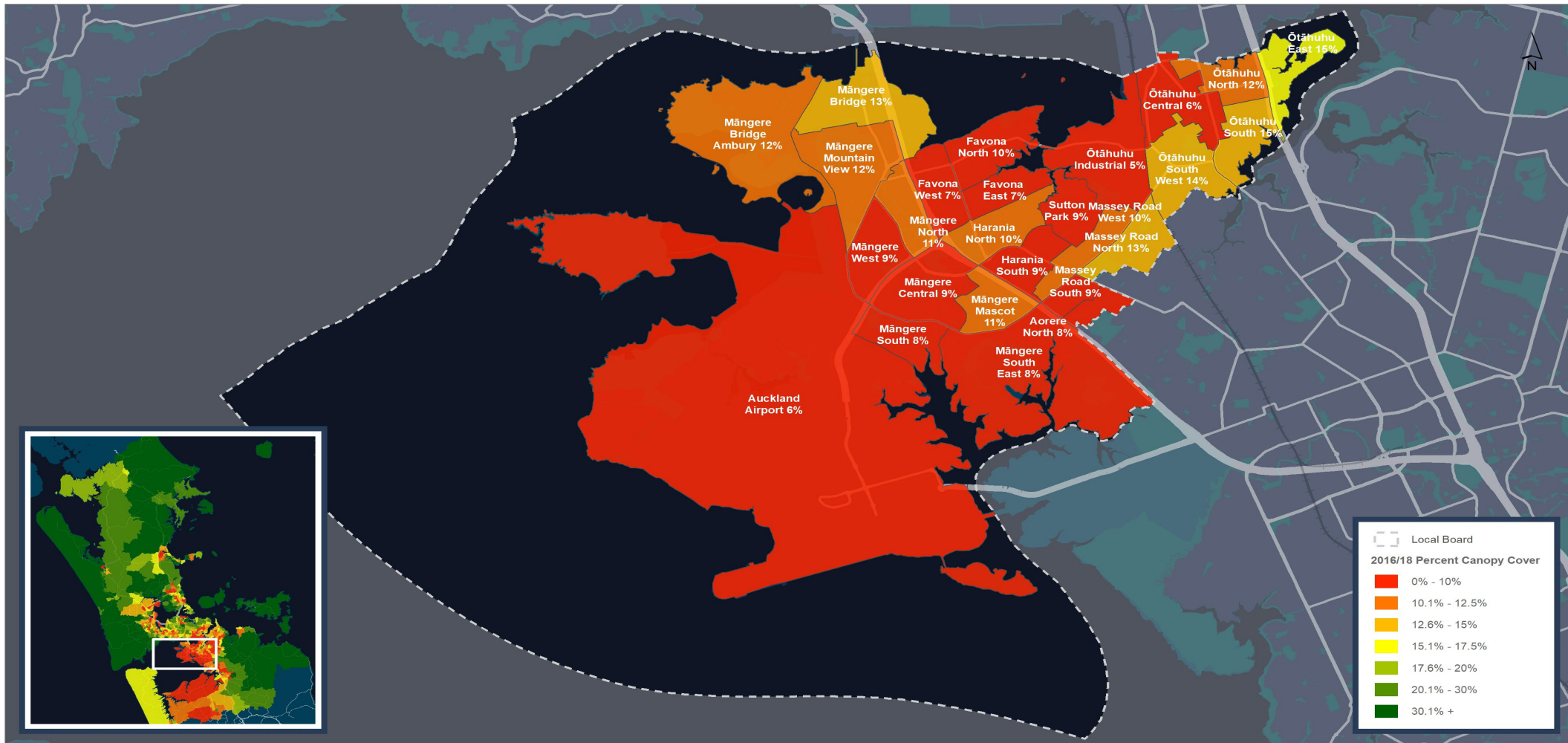


Example planting plan focused on areas with lowest canopy cover – drawing on existing analysis

Current coverage	Local Board	Parks	Playgrounds	Riparian	Road Reserve	Total
8%	Mangere - Otahuhu	696	223		2176	3095
10%	Otara - Papatoetoe	571	145	3000	779	4495
12%	Maungakiekie - Tamaki	359	80		618	1057
13%	Manurewa	1277	112		1962	3351
14%	Papakura	822	106		549	1477
15%	Henderson - Massey	1637	422		414	2473
Total		5362	1088	3000	6498	15948

Percentage net Canopy coverage by Statistical Area (SA2) - Poor

Auckland Council



Local Board

2016/18 Percent Canopy Cover

- 0% - 10%
- 10.1% - 12.5%
- 12.6% - 15%
- 15.1% - 17.5%
- 17.6% - 20%
- 20.1% - 30%
- 30.1% +

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2016/18 Canopy Cover by Statistical Areas

Statistical Area 2 (SA2) - This dataset contains the annually released SA2 boundaries for 2020 as defined by Stats NZ. The SA2 geography aims to reflect communities that interact together socially and economically. In populated areas, SA2s generally contain similar sized populations.

0 520 1,040 1,560
 Meters

Scale @ A4 = 1:80,000

Date Printed: 26/01/2021



Working with local boards to provide advice and direction on planting trees to grow their canopy coverage to meet local needs

Waitematā Urban Ngahere

Action Plan

September 2019



Kaipātiki Urban Ngahere

Action Plan 2020



Puketāpapa Urban Ngahere

Action Plan 2020



Ōtara-Papatoetoe Urban Ngahere

Action Plan 2021





Thank You



Howell Davies
Principal Specialist
Urban Ngahere
Parks & Community
Facilities, Auckland
Council

howell.davies@aucklandcouncil.govt.nz



Martha Perdomo Ramirez

Bogotá, Colombia



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Jardín Botánico de Bogotá
José Celestino Mutis

ALCALDÍA MAYOR
DE BOGOTÁ D.C.

Padde Daniel

Kampala, Uganda



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Tree Cities of The World 2020,2021,& 2022

Kampala City

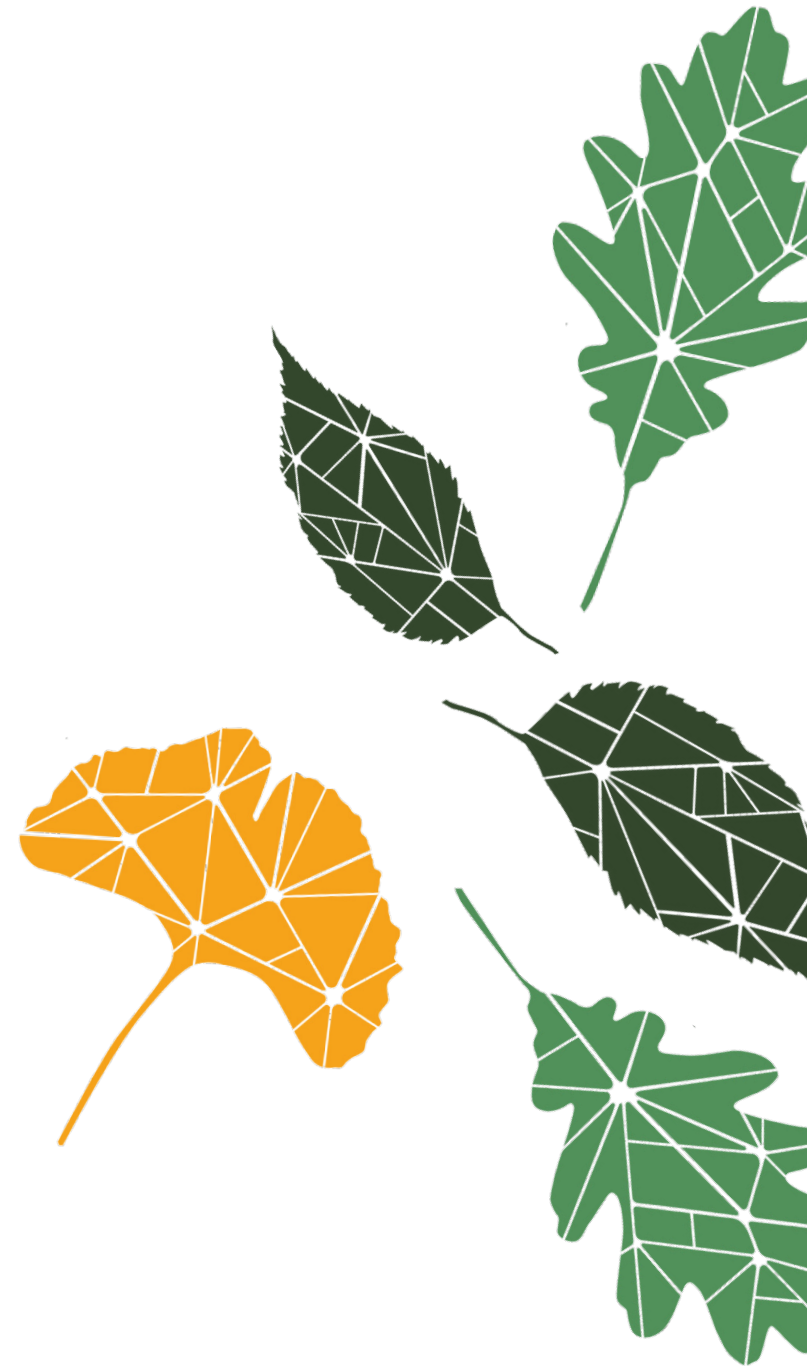


Presented by

Padde Daniel

Kampala City, Tree Cities of the World Community Member

20th October, 2023





CITY OF DREAMS

- ❑ **Contributes 60% of the national GDP (KCCA, 2014)**
- ❑ **Area size – 189 Km Sq.**
- ❑ **Popln: Resident: 1.65million & day time 4.5 million (UBOS, 2014)**





Challenges

- Finance**
- Human Resource- right teams**
- Physical planning of the city**
- Technology limitation**
- Political will due to competing priorities.**
- Private sector limited to no investment in GI**





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Opportunities



RECOGNIZES

Kampala Capital City

AS A

2020 TREE CITY

Dan Lambe, President, Arbor Day Foundation



Hiroto Mitsugi, Assistant Director-General, Forestry Department
Food and Agriculture Organization of the United Nations





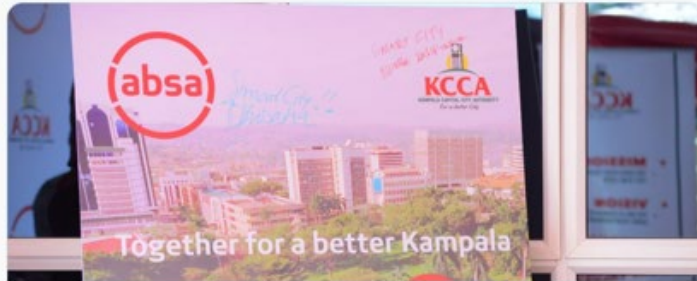
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PARTNERSHIPS

absa Absa Bank Uganda
@AbsaUganda · Follow

Over the next 3 years, @AbsaUganda will invest UGX 490 million to support initiatives under this partnership. Our goal is to increase tree density, empower women & youth, and promote knowledge, attitudes, norms, beliefs, and behaviors that align with a smart and sustainable city.



Food and Agriculture Organization of the United Nations **FAO** GREEN CITIES INITIATIVE



Strisbourg

TOWARDS A BLUE AND GREEN INFRASTRUCTURE
MASTER PLAN FOR KAMPALA CAPITAL CITY:
A BIODIVERSITY AND SOCIO-ECOLOGICAL SURVEY



UPDATES
29TH SEPTEMBER 2023
PADDE DANIEL

Local and international partnerships



Awareness Raising



NEWVISION

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Kampala first in Africa to be named among world tree cities

© Mar 11, 2021

“Through this recognition, Kampala will join a network of like-minded cities who recognise the importance of trees in building healthy, resilient and harmonious...”



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Transforming corridors





Conclusion

THERE IS STILL MUCH TO DO, **AND** WE NEED
TO WORK TOGETHER





Thank you

PADDEI Kampala Capital City Authority

Urban Forester



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ldpadde@kcca.go.ug

+ 256 759361867



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Foundation



Tree Cities of the World Session Hosted by Arbor Day Foundation

Panel 1: Urban Forestry Successes + Challenges in Tree Cities of the World

HOWELL DAVIES

Auckland, New Zealand

**MARTHA PERDOMO
RAMIREZ**

(with translator/colleague,
Paola Rodríguez)

Bogotá, Columbia

PADDE DANIEL

Kampala, Uganda

ALANA TUCKER, Arbor Day Foundation, Moderator



**World Forum on
Urban Forests**

Cities Forum

HOSTED BY:



A programme of:



AND

Bloomberg Associates

**WITH THE SCIENTIFIC
COLLABORATION OF:**



**POLITECNICO
MILANO 1863**

Tree Cities of the World Session Hosted by Arbor Day Foundation

Panel 2: The Role of National NGO's in Supporting Urban Forestry on the Ground

ANA MACIAS

Arbocity

ERNESTO HERERRA

Reforestamos México

RODERICK SHAW

Trees for Cities

ALANA TUCKER, Arbor Day Foundation, Moderator

Ana Macias

Arbocity



**2nd World Forum on
Urban Forests**

Washington DC, 2023



A programme of:
Arbor Day Foundation®

Bloomberg Associates



arbocity

TCOW partner Spain

Ana Macías Palomo



**TREE
CITIES**

OF THE WORLD™



**World Forum on
Urban Forests**



arbocity

Our aim is to rise awareness of the benefits of urban trees and forests and the importance of their management and planning



HOW DO WE DO IT

MUNICIPALITIES

ACADEMIA

arbocity

PRIVATE COMPANIES

CITIZENS



PROJECTS

RESEARCH
AND
EDUCATION

BUILDING
CONNECTIONS

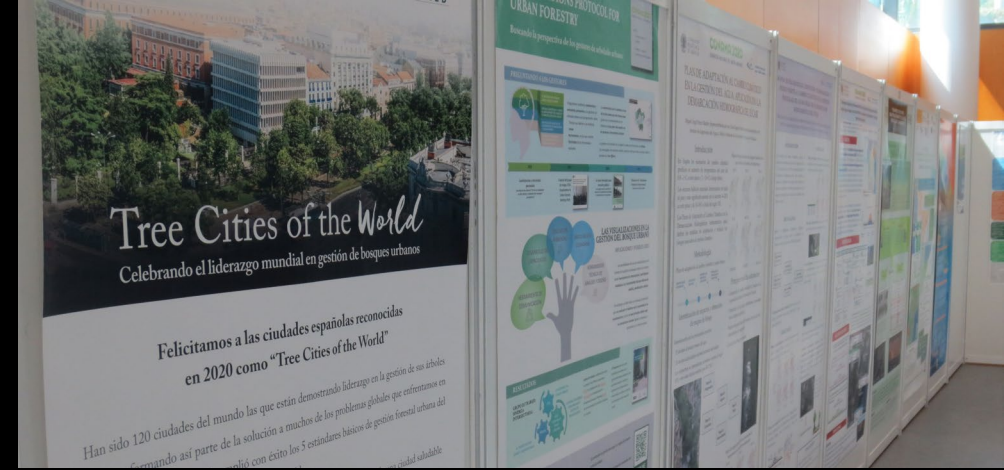

arbocity

PLANTING
PROJECTS

TREE CITIES
OF THE
WORLD



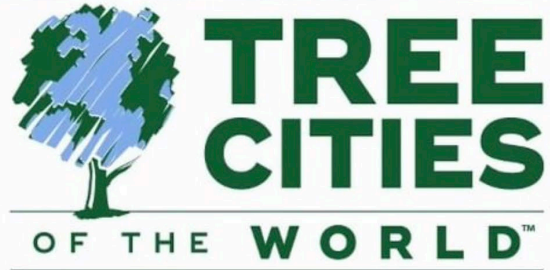
World Forum on
Urban Forests







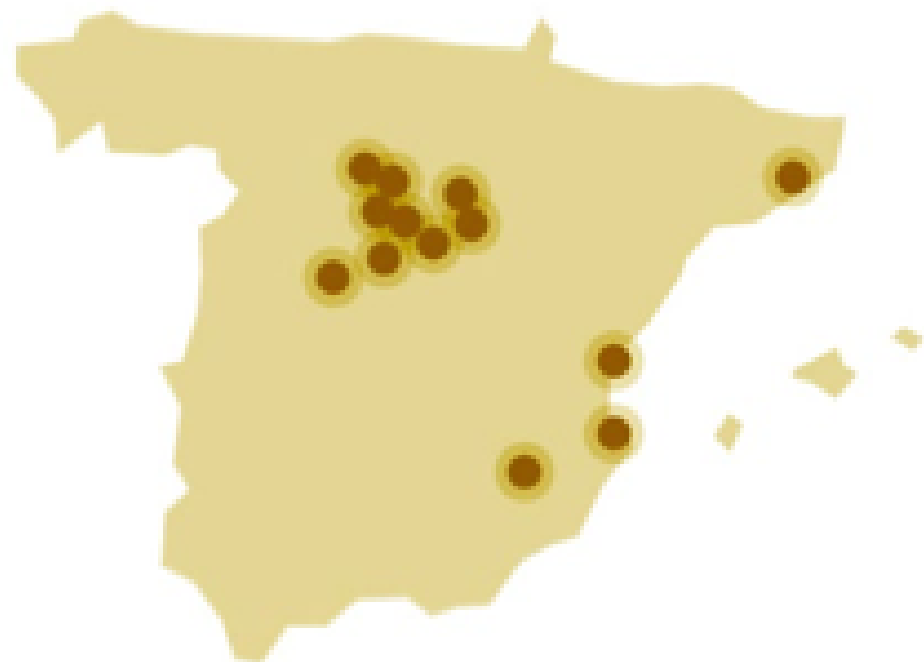


TREE CITIES OF THE WORLD



A programme of:
 Food and Agriculture Organization of the United Nations
 **Arbor Day Foundation**





13

RECOGNISED CITIES

Alcalá de Henares * Arroyomolinos * Barcelona * Cieza * Gandia
Las Rozas de Madrid * Madrid * Majadahonda * Miraflores de la Sierra
Navacerrada * Onda * Rivas-Vaciamadrid * Sevilla la Nueva



108,640 TREES PLANTED



\$156,083,925 EUR
SPENT ON URBAN TREE CARE
AND MANAGEMENT



19,336 VOLUNTEER HOURS



7,029,211 PEOPLE LIVING IN
A TREE CITIES OF THE WORLD
COMMUNITY

The logo for arbocity features a stylized tree icon with a central trunk and several branches extending upwards and outwards. Below the icon, the word "arbocity" is written in a clean, white, lowercase sans-serif font.

arbocity

Thank you!

@arbocity
info@arbocity.com



Ernesto Herrera

Reforestamos



Objectives:



Stop deforestation



Increase sustainable forest management



Restore degraded lands



Increase urban tree canopy

Vision: Forest ecosystems contributes to the 2030 Agenda SDG



Mission:
To achieve sustainable development through thriving forests

Strategies:

Private sector advocacy

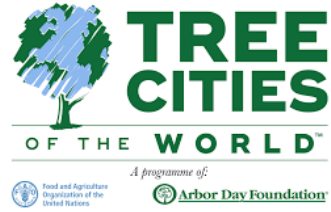
Public sector advocacy

Multi sectoral alliances

Entrepreneurship and Investment (E)

Local capacity and empowerment (S)

Positive impact on rural and urban landscapes (Env)



14 TCOW in Mexico
30 TCOW in Latam

Demand side:
increase political will



Increase urban
tree canopy



11 SUSTAINABLE CITIES
AND COMMUNITIES

Español



General awareness: 3rd Latin
American Forum on Urban Forests:
October 2022, Guadalajara, Mex.
170 people

i

Suply side: map, organize and strenghten
community based tree planting/caring
people and organizations.

Roderick Shaw

Trees for Cities

TREES FOR CITIES



World Forum on
Urban Forests



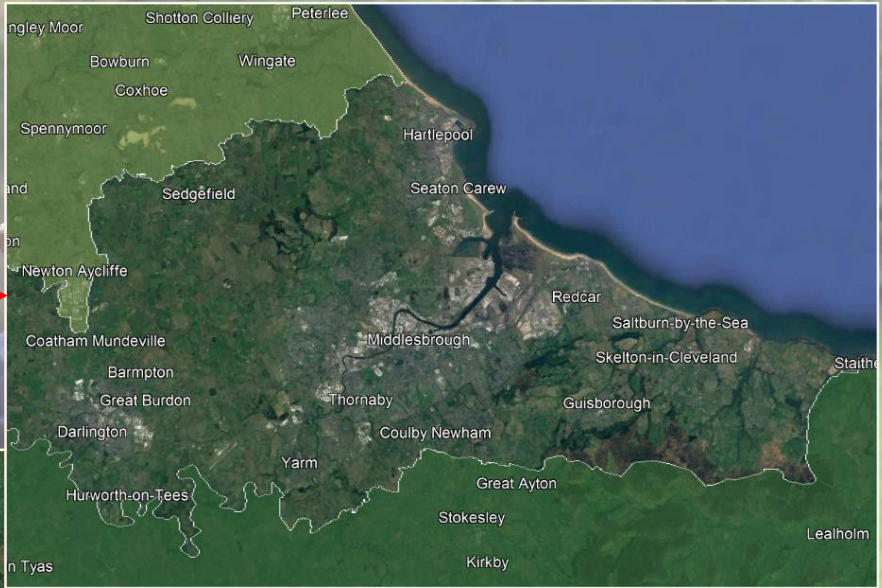
TREES
FOR
CITIES

Roddy Shaw – Development Manager

TREES FOR CITIES



TFC - NATIONAL PICTURE



TREE CITIES OF THE WORLD

- Rother District (Bexhill-on Sea)
- Birmingham
- Bradford
- London Borough of Barking & Dagenham
- London Borough of Camden
- Coventry City
- London Borough of Ealing
- Hull
- Ipswich
- Leeds
- Middlesbrough
- Newport
- Portsmouth
- London Borough of Redbridge
- Sheffield
- Solihull
- Stockton-on-Tees
- Telford & Wrekin
- London Borough of Tower Hamlets
- Welwyn Hatfield
- Wrexham



Food and Agriculture
Organization of the
United Nations



THANK YOU



Tree Cities of the World Session Hosted by Arbor Day Foundation

Panel 3: Paving the Way for a Global Urban Forestry Movement

INGRID COETZEE

CLEI - Local Governments
for Sustainability

PAUL JOHNSON

Sustainable Forestry Initiative

SUZANNE OZMENT

World Resources Institute

DAN LAMBE, Arbor Day Foundation, Moderator

Ingrid Coetzee

ICLEI – Local Governments for Sustainability



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Paving the way for Global Urban Forestry – Cities Place in the Global Biodiversity Framework

Ingrid Coetzee

Director Biodiversity, Nature & Health

ICLEI Cities Biodiversity Center & ICLEI Africa



Montréal



Local Governments
for Sustainability

Cities Biodiversity
Center

Kunming-Montreal Global Biodiversity Framework

CBD/COP/DEC/15/4 Kunming-Montreal Global Biodiversity Framework

The framework's four long-term goals by 2050

The framework has **23 action-oriented global targets** to be initiated immediately and completed by 2030.

Together, the results will enable achievement towards the outcome-oriented goals for 2050.

Target 12 urges for increasing the area, quality & connectivity, and improving access to and benefits from green and blue spaces in urban areas

Target 14 ensure that biodiversity issues are integrated into policies, regulations, planning and different strategies within and across all levels of government to make cities & regions more livable places.

Target 7: Reduce pollution risks and the negative impact of pollution from all sources

Target 11: Restore, maintain and enhance nature's contributions to people, including ecosystem functions and services

Targets 2 & 3: '30x30 targets - by 2030 at least 30 per cent of areas of degraded terrestrial, inland water, and coastal and marine ecosystems are under effective restoration (Target 2) and are effectively conserved and managed (Target 3)

Dedicated CBD Decision on Cities – Decision 15/12



CBD



Convention on
Biological Diversity

Distr.
GENERAL

CBD/COP/DEC/15/12*
19 December 2022

ORIGINAL: ENGLISH

CONFERENCE OF THE PARTIES TO THE
CONVENTION ON BIOLOGICAL DIVERSITY
Fifteenth meeting – Part II
Montreal, Canada, 7-19 December 2022
Agenda item 16B

DECISION ADOPTED BY THE CONFERENCE OF THE PARTIES TO THE CONVENTION ON BIOLOGICAL DIVERSITY

15/12. Engagement with subnational governments, cities and other local authorities to enhance implementation of the Kunming-Montreal Global Biodiversity Framework

The Conference of the Parties,

Recalling decisions [X/22](#) and [XII/9](#),

Recalling also the Plan of Action on Subnational Governments, Cities and Other Local Authorities for Biodiversity (2011-2020),¹ and welcoming progress in its successful implementation,

Noting that, while responsibilities for implementation of the Convention rest with the Parties, there are multiple reasons for promoting the engagement of subnational governments, cities and other local authorities in the implementation of the Convention,

Noting also that subnational governments, cities and other local authorities are a constituent part of many Parties and other Governments, and that the implementation and monitoring of the Kunming-Montreal Global Biodiversity Framework needs to involve all levels of government as appropriate,

Recognizing the important role of subnational governments, cities and other local authorities in the implementation of the objectives of the Convention on Biological Diversity, as well as monitoring and reporting, mainstreaming, resource mobilization, capacity-building and communication, education and public awareness, social participation and public access to information,

Recalling principle 2 of the ecosystem approach adopted in decision [V/6](#),²

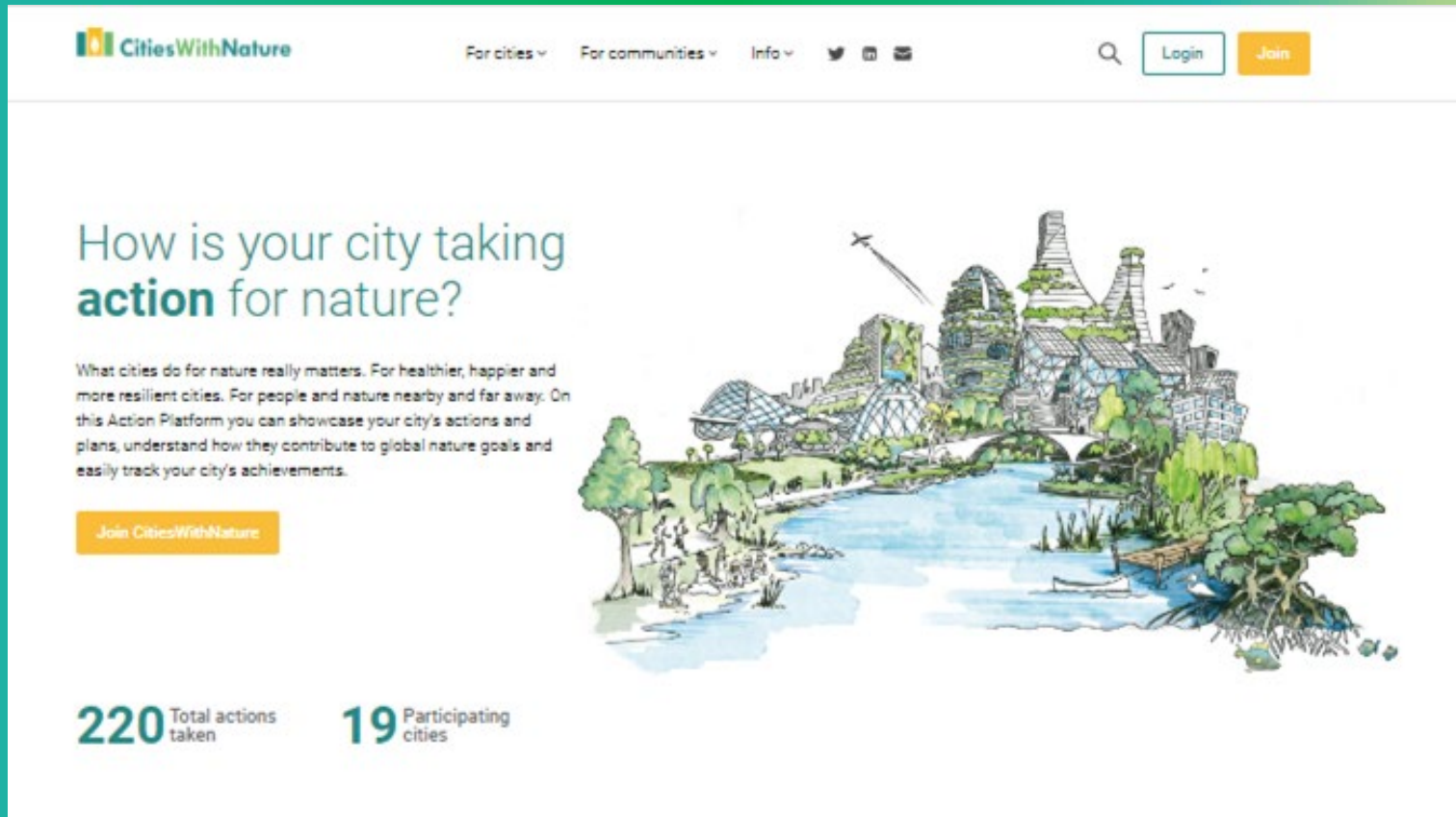
1. *Adopts* the updated Plan of Action on Subnational Governments, Cities and Other Local Authorities for Biodiversity, as set out in the annex to the present decision, as a flexible framework to support Parties in accordance with national legislation;




CBD is the only Rio Convention that has a mechanism for local government engagement and Plan of Action for their contribution to global biodiversity targets

- ✓ Ambitious dedicated decision and plan of action
- ✓ Framework to support Parties, cities & subnational governments implement the GBF
- ✓ Facilitate increased involvement of local & subnational governments in NBSAP revision, implementation & reporting
- ✓ Support cities & subnational governments in managing biodiversity sustainably, providing ecosystem services & mainstreaming biodiversity in urban planning & development
- ✓ 7 interconnected action areas in support of nature positive urban development

Platforms to support city engagement in global space

CitiesWithNature Action Platform



CitiesWithNature For cities ▾ For communities ▾ Info ▾   

How is your city taking **action** for nature?

What cities do for nature really matters. For healthier, happier and more resilient cities. For people and nature nearby and far away. On this Action Platform you can showcase your city's actions and plans, understand how they contribute to global nature goals and easily track your city's achievements.

[Join CitiesWithNature](#)

220 Total actions taken **19** Participating cities

- Recognized in CBD Decision 15/12 as the platform where cities can report on, & track progress against, their commitments to contributing to the implementation of the Global Biodiversity Framework (GBF) and National Strategies & Action Plans (NBSAPs)
- Aligned with GBF's 2030 Action Targets – interprets the global targets to what is relevant to local governments
- Cities commitments are voluntary
- Cities actions can feed into National Reports to CBD

UN Decade on Ecosystem Restoration

Urban Nature Restoration Platform

- Cities Challenge
- To spread knowledge, share tools, and build capacity on how to mainstream ecosystem restoration activities and nature-based thinking into city management and planning practices, as well as to increase advocacy around the return-on-investment in nature-based solutions and make the business case for restoration.
- By 2030:
 - identify and involve at least 100 champion cities through educational high-level modules and city-to-city learning exchanges
 - 20 cities from this cohort will be encouraged and given guidance on how to apply to have their projects or urban area become World Restoration Flagships



Moshi, Tanzania



Paul Johnson

Sustainable Forestry Initiative



**2nd World Forum on
Urban Forests**

Washington DC, 2023



A programme of:
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Bloomberg Associates

CREATING A ROADMAP TO A BETTER FUTURE

COMMUNITIES
DEPEND ON



URBAN FORESTS

SFI DEVELOPED A NEW SFI URBAN
AND COMMUNITY FOREST
SUSTAINABILITY STANDARD IN
COLLABORATION WITH:

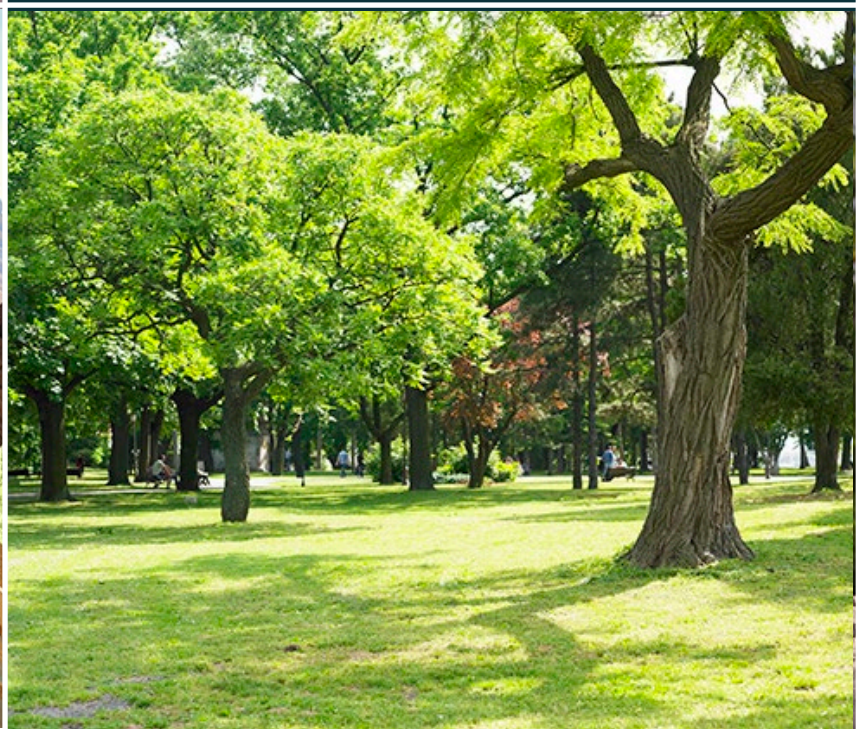


Our Vision:
A world that values and benefits from
sustainably managed forests.

Our Mission:
To advance sustainability through
forest-focused collaborations.



**Working together
is critical to
ensuring the
sustainability of
our planet.**



SFI ADVANCES SUSTAINABILITY THROUGH FOREST-FOCUSED COLLABORATION



STANDARDS



CONSERVATION



EDUCATION



COMMUNITY



WHO CAN UTILIZE THE SFI STANDARD

GOVERNMENTAL ORGANIZATIONS (municipalities, counties, states, provinces)



HEALTHCARE ORGANIZATIONS



INDIGENOUS COMMUNITIES



UNIVERSITIES AND COLLEGES



NON-GOVERNMENTAL ORGANIZATIONS



CORPORATE ORGANIZATIONS



SFI URBAN AND COMMUNITY FOREST SUSTAINABILITY STANDARD

**OBJECTIVE 1:
COMMUNITY,
PEOPLE, AND
INDIGENOUS
PARTICIPATION**



**OBJECTIVE 2:
HUMAN HEALTH
AND WELL-BEING**



**OBJECTIVE 3:
PROTECTION AND
CONSERVATION OF
BIODIVERSITY**



**OBJECTIVE 4:
STEWARDSHIP OF
NATURAL RESOURCES,
INCLUDING AIR,
WATER AND SOIL**



**OBJECTIVE 5:
URBAN AND COMMUNITY
FOREST AND TREE
HEALTH AND VITALITY**



**OBJECTIVE 6:
SPECIAL SITES,
INCLUDING
NATURAL AREAS**



**OBJECTIVE 7:
CLIMATE-SMART
MANAGEMENT**



**OBJECTIVE 8:
URBAN AND
COMMUNITY
FOREST PLANNING**



**OBJECTIVE 9:
MANAGEMENT AND
CARE OF URBAN AND
COMMUNITY FORESTS
AND
TREES**



**OBJECTIVE 10:
DISASTER
READINESS,
RESPONSE AND
RECOVERY**



**OBJECTIVE 11:
CAPACITY BUILDING**



**OBJECTIVE 12:
URBAN WOOD
AND COMMUNITY
FOREST
UTILIZATION**



**OBJECTIVE 13:
COMMUNICATIONS**



**OBJECTIVE 14:
RESEARCH, SCIENCE,
AND TECHNOLOGY**



**OBJECTIVE 15. LEGAL
AND REGULATORY
COMPLIANCE INCLUDING
RECOGNIZING
INDIGENOUS PEOPLES'
RIGHTS**



**OBJECTIVE 16:
REPORTING**



SFI CERTIFICATION OPTIONS

- **FULL STANDARD CERTIFICATION**
- **THEMATIC CERTIFICATION**
 - Community Well-Being and Human Health
 - Environmental and Conservation Leadership
 - Climate and Disaster Resilience
 - Urban Forest Improvement

SFI URBAN AND COMMUNITY FOREST SUSTAINABILITY STANDARD



COMMUNITY WELL-BEING AND HUMAN HEALTH

SFI URBAN AND COMMUNITY FOREST SUSTAINABILITY STANDARD

COMMUNITY
WELL-BEING AND
HUMAN HEALTH



OBJECTIVE 1: Community, People, and Indigenous Participation

OBJECTIVE 2: Human Health and Well-Being

OBJECTIVE 13: Communications

OBJECTIVE 15: Legal and Regulatory Compliance including Indigenous Peoples' Rights

OBJECTIVE 16: Reporting

MULTIPLE THEMATIC SFI CERTIFICATIONS

**A COMMUNITY OR UNIVERSITY
COULD CHOOSE TO BE
CERTIFIED FOR ENVIRONMENTAL
AND CONSERVATION
LEADERSHIP AND URBAN
FOREST IMPROVEMENT.**

**SFI URBAN AND COMMUNITY FOREST
SUSTAINABILITY STANDARD**



TRANSPARENT AND CREDIBLE

**ALL SFI STANDARDS
ARE AUDITED BY ACCREDITED**

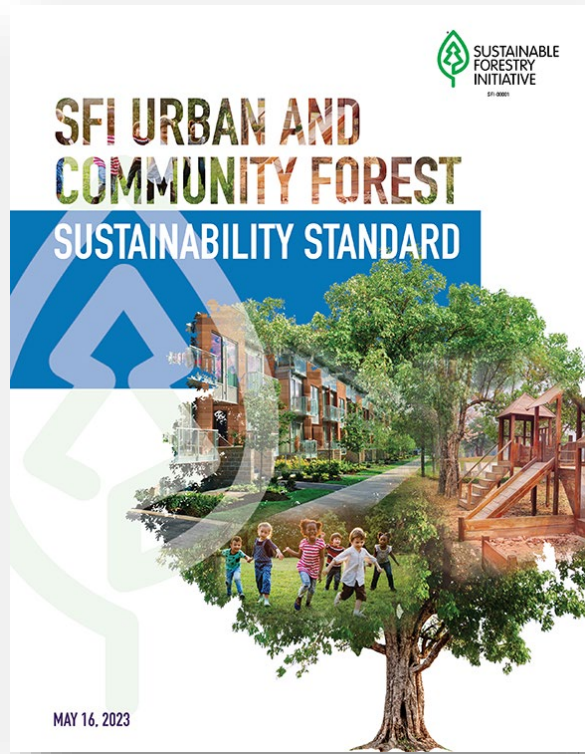


CERTIFICATION BODIES

ACCREDITED CERTIFICATION BODIES



**AVAILABLE
NOW
MAINTENANT
AHORA**



SFI STANDARD DEVELOPMENT TASK GROUP 2021-2023



FIND THIS LIST ON OUR
WEBSITE: forests.org

A SPECIAL THANKS TO THE DEVELOPMENT TASK GROUP

JENNIFER ALGER

Urban Wood Network

SCOTT ALTENHOFF

Society of Municipal Arborists

ADRINA BARDEKJAN

(Michael Petryk alternate), Tree Canada

JOSH BEHOUNEK

(Lee Mueller alternate), International Society of Arboriculture

PATRICIA BILLETTE

Wildlife Habitat Council

OWEN CROY

Formerly City of Surrey, Canada

ASIA DOWTIN

Michigan State University

RACHEL HOLMES

The Nature Conservancy

SHARON JEAN-PHILIPPE

University of Tennessee/TREE Fund

IAN LEAHY

American Forests

RACHEL MILETTI

National Association of Friendship Centers

GEOFF KEMPTER

(Kieran Hunt alternate), Utility Arborist Association

CECIL KONIJNENDIJK

European Forum on Urban Forestry

JACQUES LAROUCHE

Canadian Forest Service

MIKE MARSHALL

Marshall Tree Farm

MARGO MORRISON

Nature Conservancy Canada

BENJAMIN OSBORNE

(Jessica Einhorn alternate), New York City

DAVID SIVYER

USDA Forest Service

KIM STATHAM

City of Toronto

ALANA TUCKER

Arbor Day Foundation

DANIELLE WATSON

Society of American Foresters

KEITH WOOD

National Association of State Foresters



THANK YOU



SUSTAINABLE
FORESTRY
INITIATIVE

SFI-00001

Suzanne Ozment

World Forestry Institute



**2nd World Forum on
Urban Forests**

Washington DC, 2023



A programme of:
Food and Agriculture
Organization of the
United Nations

 **Arbor Day Foundation**

Bloomberg Associates



WORLD
RESOURCES
INSTITUTE

Cities **4** Forests

Suzanne Ozment
Senior Associate, World Resources Institute
October 20, 2023

Ninety-five member cities, and growing



Cities4Forests is also endorsed by the Association of County Governments of Kenya, the Brazilian National Front of Mayors, and the Mexican States of Guanajuato and Jalisco.

Political Action & Engagement



- Sparking a global movement
- Building political support
- Multisector engagement

Technical Assistance & Capacity Building



- Local empowerment
- Policy & planning
- Mapping, measuring, & monitoring
- Leveraging new technologies
- Advancing gender & social equity

Economics, Finance, & Investment



- Financial analysis
- Piloting new financial instruments
- Accessing all forms of capital

Tree Cities of the World Session Hosted by Arbor Day Foundation

The Path Forward: What's Next for Tree Cities of the World?

CECIL KONIJNENDIJK

Nature Based Solutions Institute

***The Path Forward:
What's Next for
Tree Cities of the World?***

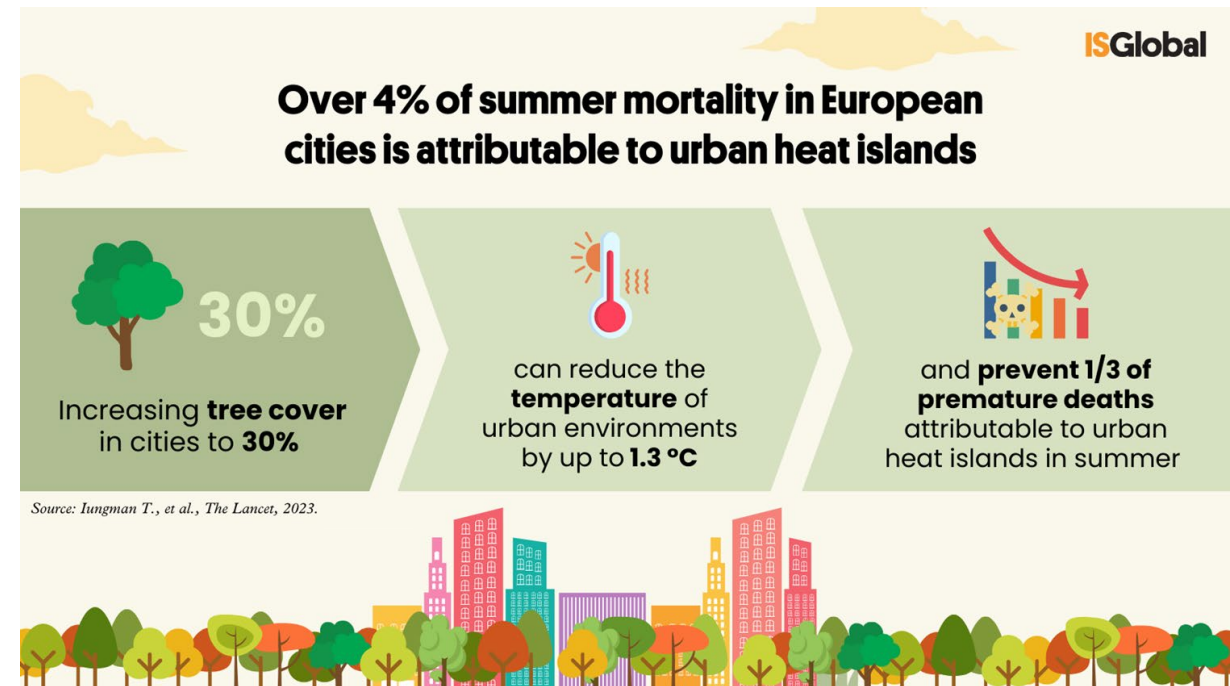
Cecil C. Konijnendijk

**cecil@nbsi.eu
@AnUrbanForester**



Economics
Social cohesion
Quality of life
Food

Biodiversity
Climate
Health



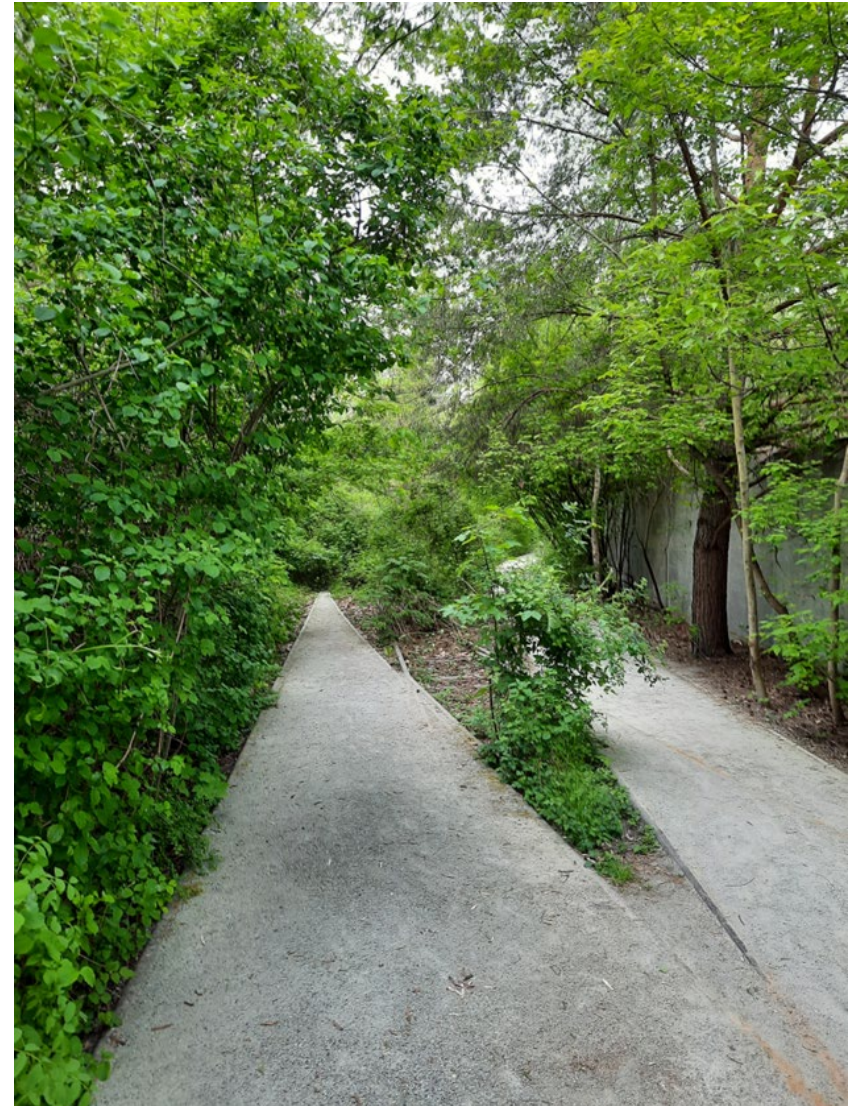
Urban Forestry: A Global – but still fragmented - Movement



<https://atlasofthefuture.org/project/cities4forests/>

Global Urban Forestry: what's needed

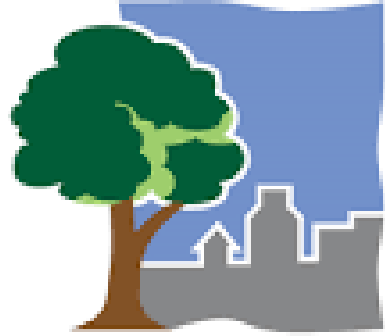
- Networking
- Peer learning, knowledge sharing, and capacity building
- Good practice development
- Joint advocacy and awareness raising – towards recognition and integration
- Assessment, monitoring, benchmarking
- Leadership
- Visions and strategies
- Celebrating and motivating!



Using metrics in modern urban forestry

- Inventories and monitoring of urban forests
- Quantifying the benefits of urban forests
- Equitable distribution of urban forests and benefits
- Monitoring progress towards policy and program objectives – using targets, key performance indicators
- Supporting urban forest management
- Monitoring recreational and other use
- Cost-benefit analysis
- Awareness raising and engagement





i-Tree

Tools for Assessing and Managing Forests & Community Trees

InVEST

Integrated Valuation of Ecosystem Services and Tradeoffs



WASHINGTON



ECONOMICS OF URBAN FORESTRY IN WASHINGTON

Trees have a tremendous impact on local economies and our quality-of-life.
Here's a peek at how urban trees in your state are contributing.



14,587 people are employed as a result of urban forestry activities in Washington.



Urban trees in the state contribute **\$2.9 billion** in community-wide environmental benefits each year, such as carbon sequestration, air pollution removal, and avoided stormwater runoff.



Communities in Washington enrolled in Tree City USA® invested an average of **\$10.57 per resident** for tree planting and care compared to **\$3.00 per resident** in non-participating communities nationally.



The urban forestry sector in Washington has an annual sales and employment footprint worth **\$1.7 billion**.



Tree cover at private homes adds **\$1.1 billion** annually to property values across Washington.

N BUREAU OF BUSINESS RESEARCH
College of Business Administration



Arbor Day Foundation
arborday.org

Findings are excerpted from the 2021 report, "The Economic Footprint and Quality-of-Life Benefits of Urban Forestry in the United States." The report quantifies economic benefits for calendar year 2017, the most recent year available for analysis.

90480001





Guidelines on urban and peri-urban forestry



VIBRANT CITIES LAB

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

Trees for Resilient Green Cities: Strategic Screening and Action Toolkit

Ensuring trees are part of the plan and solution

V1.0



SFI URBAN AND COMMUNITY FOREST SUSTAINABILITY STANDARD



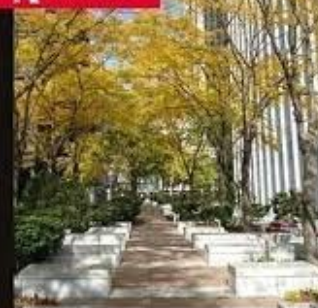
GUIDING PRINCIPLES:

- Urban and community forests and trees are vital for community well-being, health, resiliency, and sustainability.
- Urban and community forests and trees and their associated benefits should be accessible and available to everyone.
- Urban and community forests and trees depend upon understanding, awareness, appreciation, stewardship, and engagement by communities and people in order to thrive.
- Urban and community forests and trees require proper planning, care, and management to optimize benefits and minimize risks.
- Urban and community forests and trees are nature-based solutions to pressing issues and essential green infrastructure.



FORESTS.ORG

ROUTLEDGE
HANDBOOKS



Routledge Handbook of Urban Forestry

Edited by Francesco Ferrini, Cecil Konijnendijk, van der
Bosch and Alessio Fari

An Urban Forest Master Plan for Birmingham 2021-2051

Executive Report



Birmingham
City Council





3-30-300

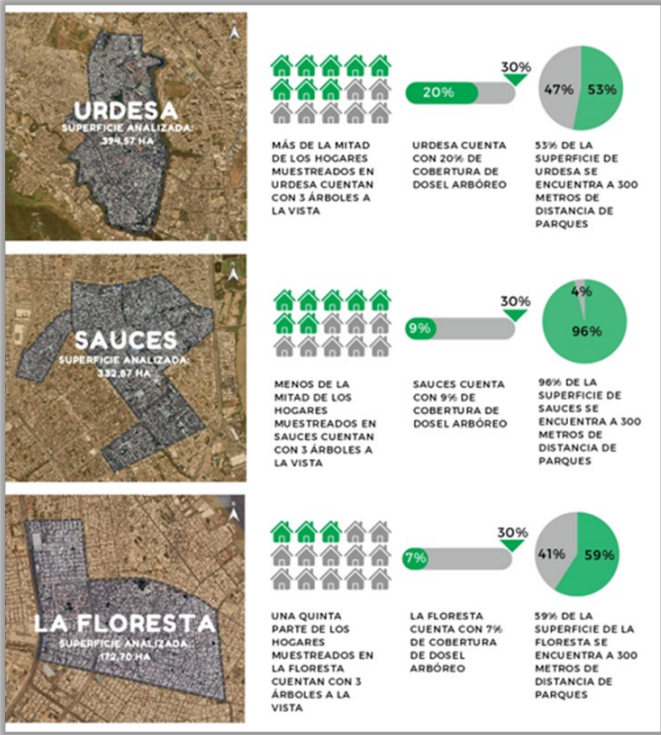
REGLA PRÁCTICA PARA LA PLANIFICACIÓN Y GESTIÓN DEL BOSQUE URBANO Y LA INFRAESTRUCTURA VERDE

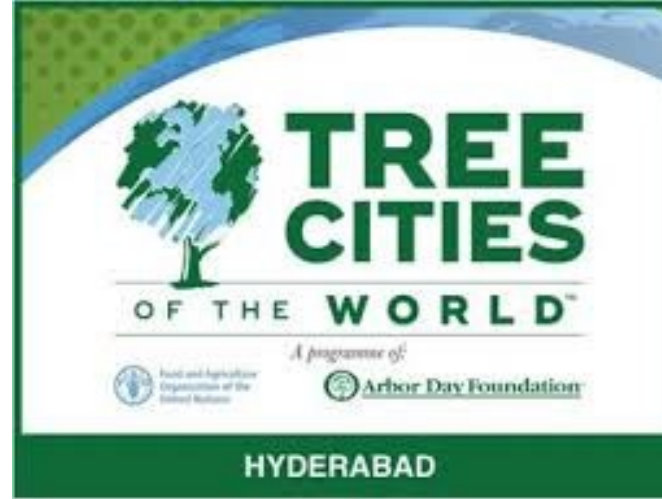
3 ÁRBOLES POR HOGAR

30 POR CIENTO DE COBERTURA DE DOSEL ARBÓREO EN CADA BARRIO

300 METROS DE DISTANCIA A PARQUES PÚBLICOS O ÁREAS VERDES

¿CUÁNTO DE ESTA REGLA SE CUMPLE EN GUAYAQUIL, ECUADOR?





TREE CITIES OF THE WORLD

Reforestamos

Iniciativa para que los gobiernos locales del mundo implementen acciones en pro del buen manejo y cuidado del arbolado de las ciudades.

5 ESTÁNDARES PARA SER UNA CIUDAD ÁRBOL:

- 1 Contar con una autoridad responsable:** Así aseguramos el bienestar de las zonas arboladas.
- 2 Establecer reglas claras:** La comunidad adopta políticas, mejores prácticas y estándares técnicos para el manejo de árboles y bosques urbanos.
- 3 Conocer lo que se tiene:** La comunidad cuenta con un inventario para que se pueda establecer un plan efectivo para la plantación, el cuidado y la remoción de árboles de la ciudad.
- 4 Asignar recursos adecuados:** La comunidad tiene que buscar y asignar un presupuesto anual, los gobiernos deben incluir el arbolado urbano como prioridad en su agenda.
- 5 Reconocer los logros:** La comunidad realiza una celebración anual para crear conciencia, cuidar de los árboles son resultado de la amplitud y conexión con ellos.

Únete a una red global de ciudades comprometidas con el arbolado urbano

Consulta más información en Tree Cities of the World

NEIGHBORHOOD NEWS > INDIAN COUNTRY f t e

Blackfeet Nation becomes first tribal nation recognized as a 'Tree City of the World'

Regina acknowledged as a 'Tree City of the World' for consecutive year

Regina / 980 CJME
 CJME News
 Mar 3, 2021 | 7:28 AM



Developing TCOW: a study

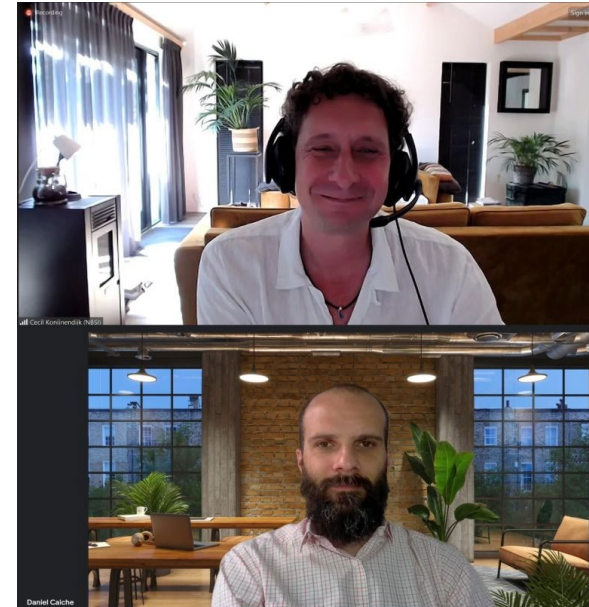


Aims:

- Enhancing interest, relevance, impact, retention
- Highlighting opportunities for development

Method:

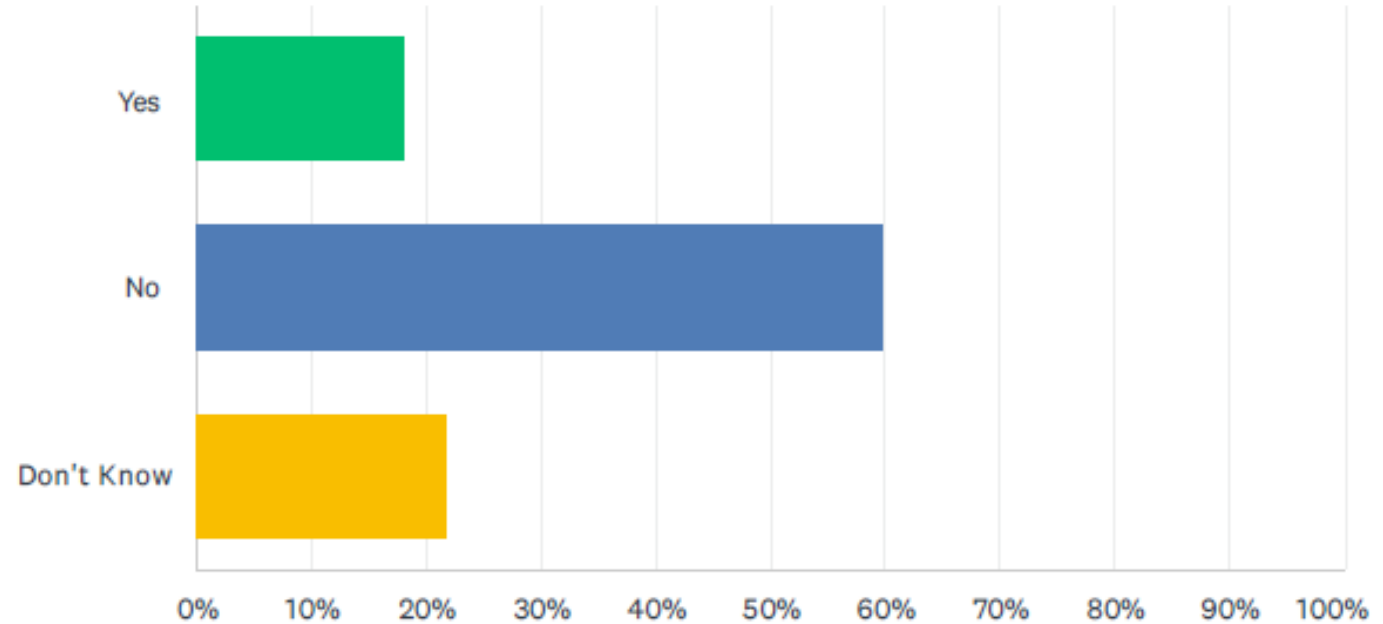
- Interviews with national coordinators, other experts
- Focus group discussions
- A survey among current and past TCOW's
- Analysis of other international programs with similar scope





Q16 Would you like to see standards / criteria added to this?

Answered: 55 Skipped: 3

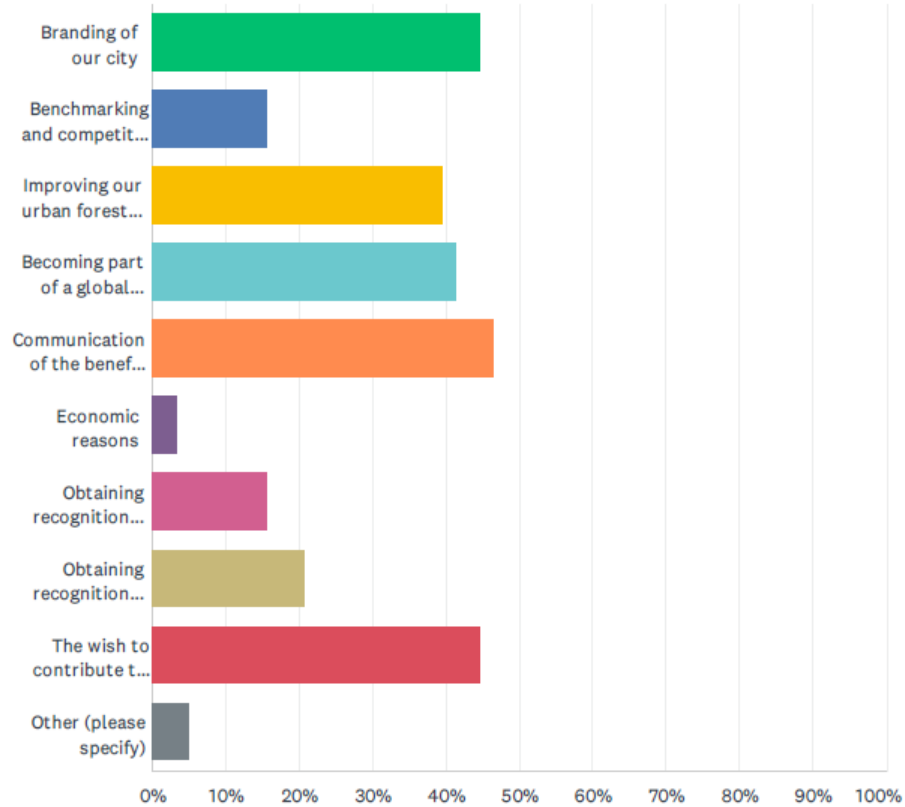


implementation of the tree management plan.

awareness among residents and to acknowledge citizens and staff members who carry out the city tree programme.

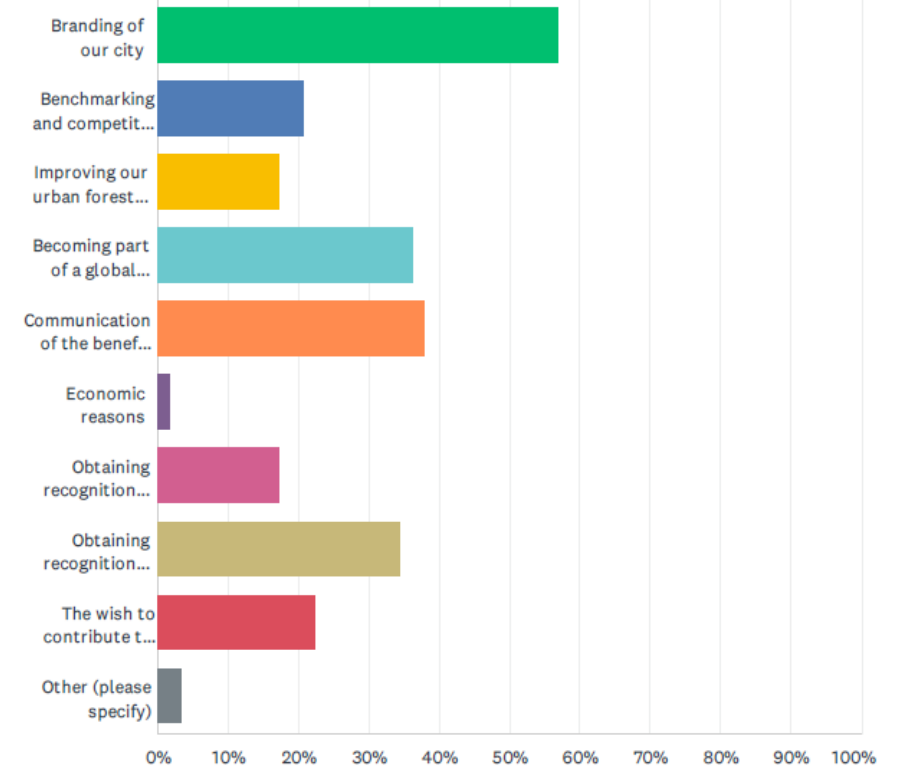
Q11 What were your local authority's main motivations for applying to become a Tree City of the World? Select up to 3:

Answered: 58 Skipped: 0



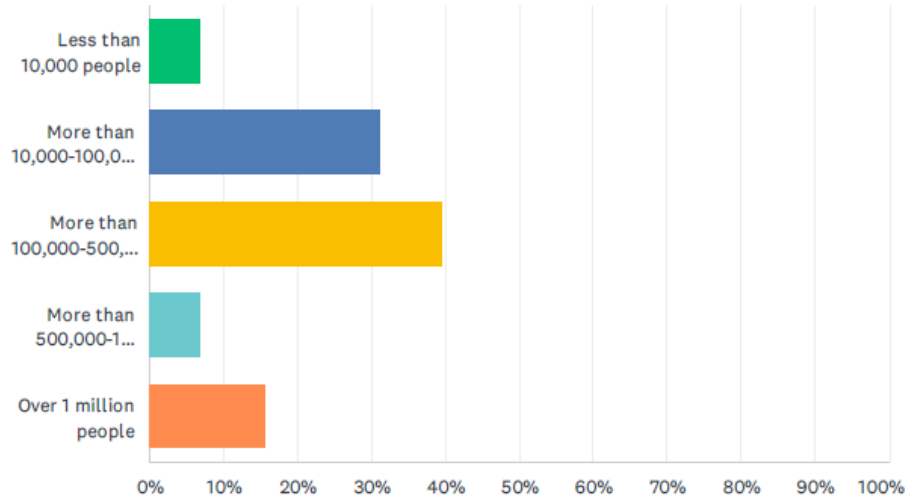
Q12 So far, what have been the primary benefits being part of the TCOW programme? Select up to 3:

Answered: 58 Skipped: 0



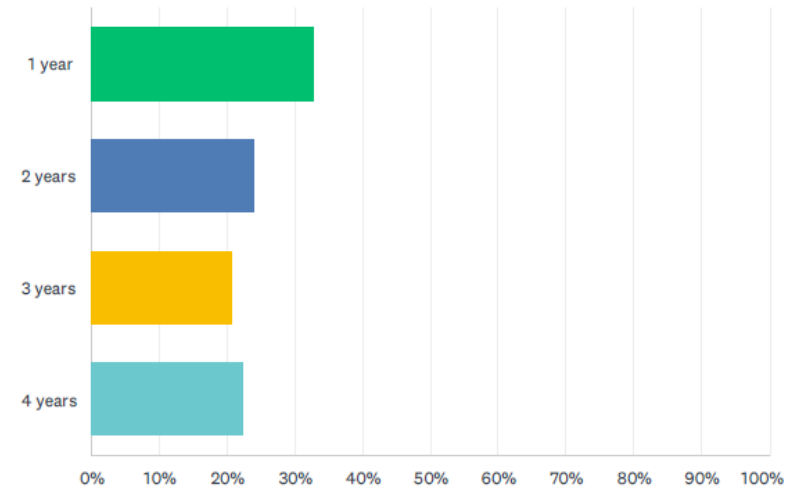
Q3 How many inhabitants does your municipality have?

Answered: 58 Skipped: 0



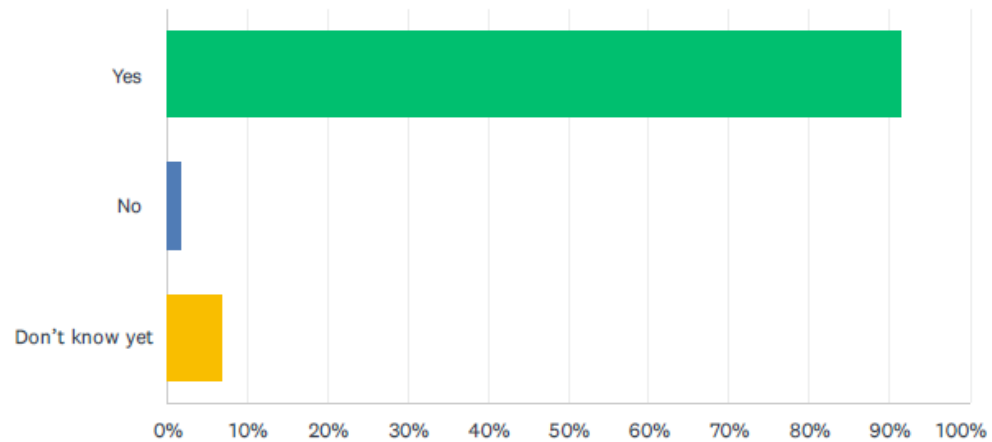
Q4 For how many years have you been or were you a Tree City of the World (TCOW)?

Answered: 58 Skipped: 0



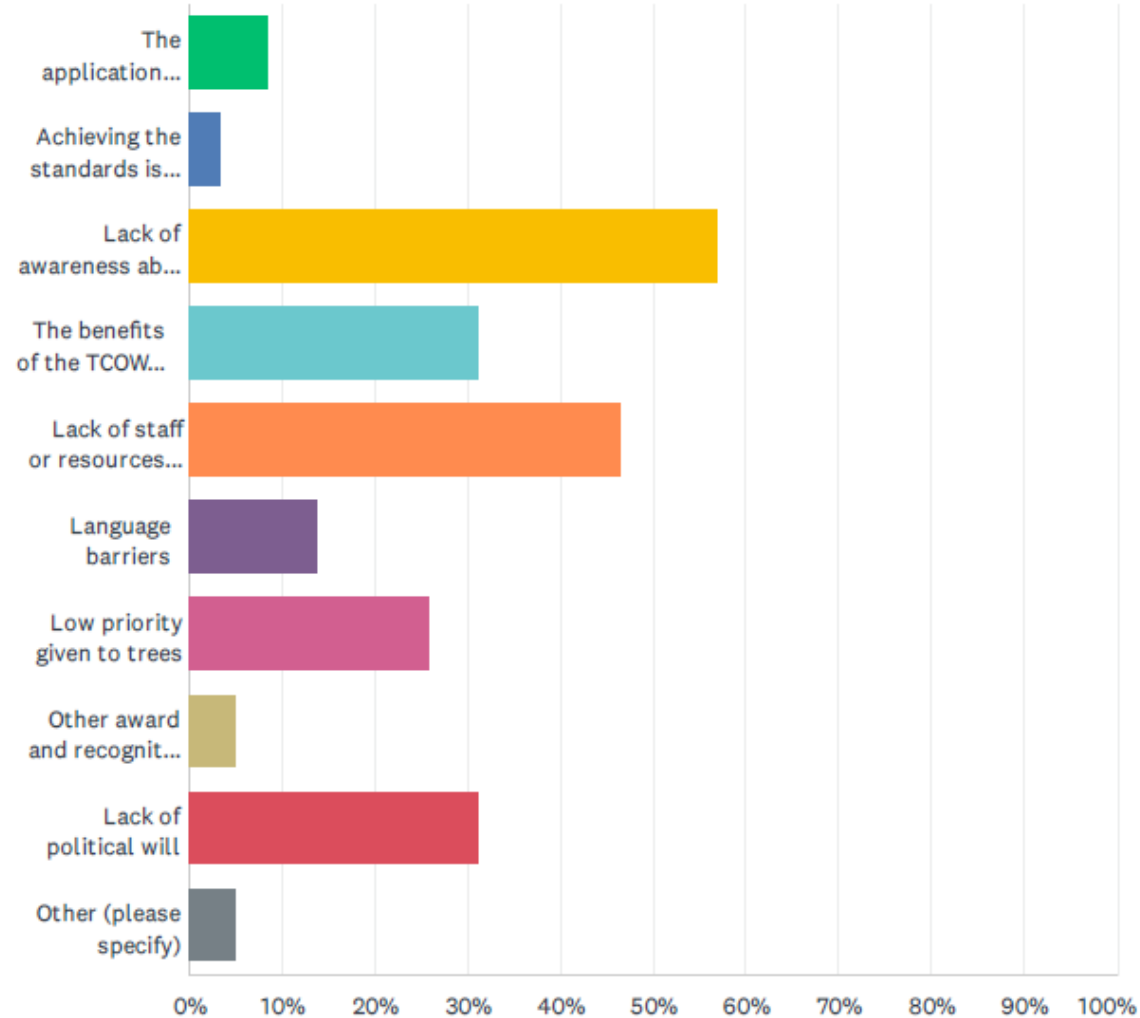
Q6 Do you plan to re-apply in 2023?

Answered: 58 Skipped: 0



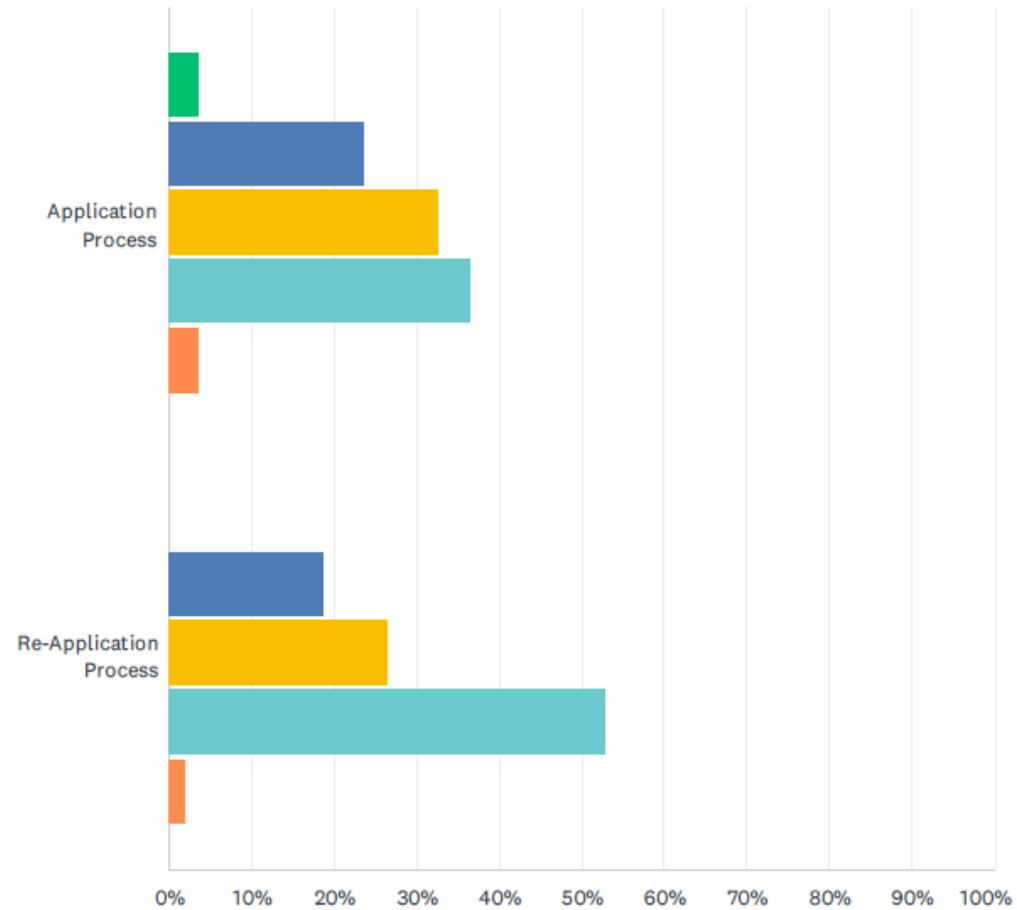
Q13 In your opinion, what could be the main barriers for cities to apply for the TCOW programme? Select up to 3:

Answered: 58 Skipped: 0



Q5 On a scale from 1 (very difficult) to 5 (very easy), how would you rate the application and re-application process?

Answered: 58 Skipped: 0



1 (Very Difficult)

2 (Difficult)

3 (Neutral)

4 (Easy)

5 (Very Easy)



TREE CITY USA[®]

An Arbor Day Foundation Program

See the Categories & Find an Activity

[Download Activity List as PDF](#)

FILTER BELOW OR **SHOW ALL**

A: BUILDING THE TEAM

BUDGETS
STAFF
TRAINING

B: MEASURING TREES & FORESTS

TREE CANOPY
TREE INVENTORY
URBAN FORESTS

C: PLANNING THE WORK

POLICIES
PLANS

D: PERFORMING THE WORK

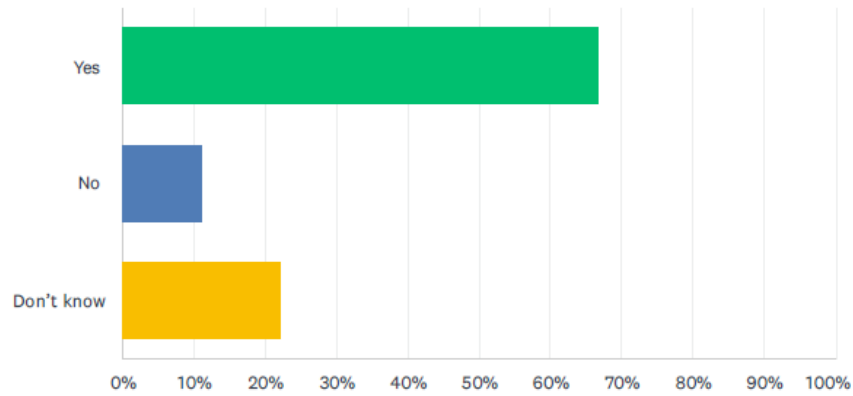
PLANTING TREES
MAINTAINING TREES
TREE RISK MANAGEMENT
RECYCLING & REUSE
PROTECTING TREES
NATURAL AREAS

E: THE COMMUNITY FRAMEWORK

COLLABORATION
VOLUNTEERS
OUTREACH
AWARENESS
EDUCATION

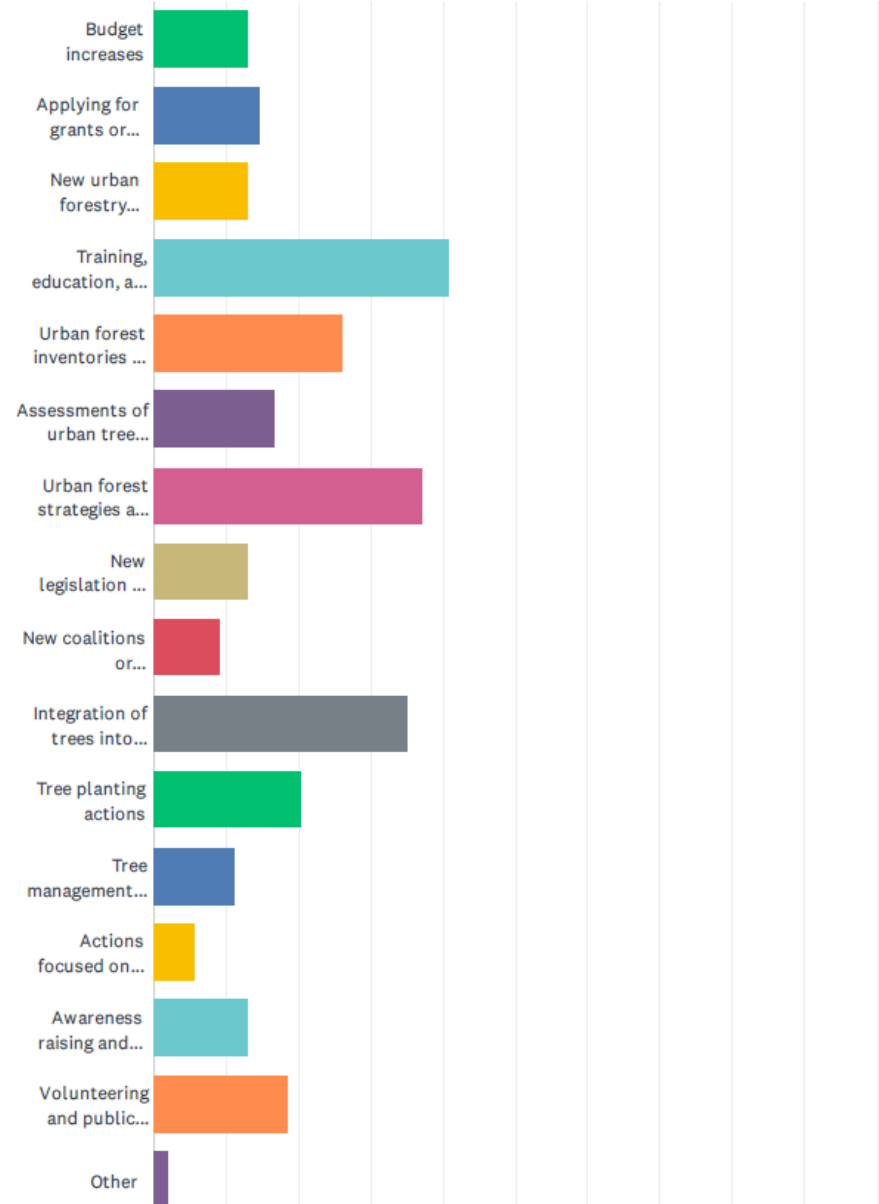
Q19 Would you support a similar additional recognition under the TCOW programme?

Answered: 54 Skipped: 4



Q20 Which of the following aspects should be part of such an additional recognition? Select up to 3:

Answered: 54 Skipped: 4



Perspective

- Expanding our global reach
- Enhance awareness and visibility
- More city twinning and peer learning, capacity building
- Strengthening national & regional networks
- Adding a 'growth' element
- Collaboration with other programs – create synergies
- Keep celebrating and growing!





**World Forum on
Urban Forests**

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**World Forum on
Urban Forests**

Accelerating Climate Action in Cities

Introduction: Adam Freed, Bloomberg Associates

HOSTED BY:

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Adam Freed

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**2nd World Forum on
Urban Forests**

Washington DC, 2023



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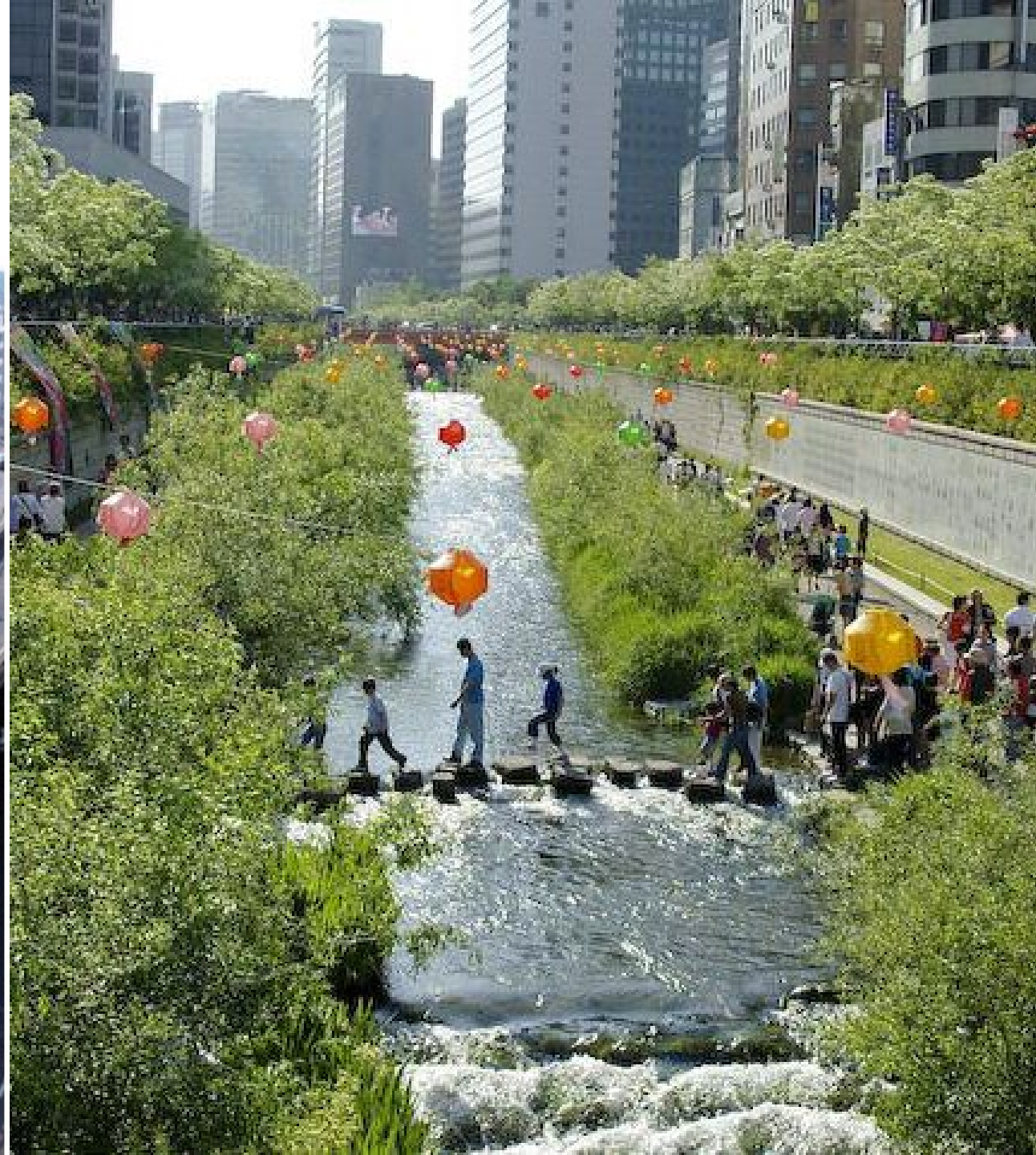
Adam Freed
Principal
[@AdamMFreed](#)



Credit: City of New York



Credit: Bloomberg Associates







Credit: Kenzo Tribouillard/Agence France-Presse



Credit: Marc Bertrand



ACTUALIDAD

abn

Cambian pisos duros por corredores verdes

En la avenida Oriental entregaron uno de los primeros 30 que tendrá la capital antioqueña.

Carolina Ruiz
ruicar@eltiempo.com

La transformación ambiental de Medellín ya comenzó. Con la entrega de dos de los 30 corredores verdes de la ciudad que se traducen en 2,3 kilómetros con 308 nuevos árboles y más de 90.000 especies de plantas, la avenida Oriental y la calle 57 (Argentina) respiran un nuevo aire.

En el marco de 'Una Medellín verde para vos' fueron entregados ayer, por parte de la administración local, los corredores de estas principales vías del Centro.

Federico Gutiérrez manifestó que con proyectos como estos, Medellín continúa creciendo en términos de sostenibilidad y medio ambiente para su correcto crecimiento y progreso.

"Literalmente volvió la vida al Centro", expresó el mandatario quien contó que este proyecto se une a los avances de las obras de transformación del sector, cuyo potencial en recuperación del espacio público y en siembra de árboles y el mejoramiento de zonas verdes está siendo aprovechado con estas intervenciones.

Los corredores verdes de la ciudad son resultado de un trabajo entre la secretaría de Infraestructura, que se encarga de la ejecución de los 18 que están ubicados en los ejes viales, y la secretaría de Medio Ambiente, a la que le corresponde los 12 de las principales quebradas que fluyen por la ciudad.

Además, el Jardín Botánico Joaquín Antonio Uribe también hace parte de la articulación al ser el responsable de todas las siembras y el mantenimiento de las plantas. Entre tanto, la Empresa de Desarrollo Urbano (EDU) es la responsable del proceso de algunas obras para reconvertir los pisos duros en verdes.

Paula Andrea Palacio, se-



El Jardín Botánico es el encargado de la siembra y mantenimiento.



Una de las cinco ceibas que llegaron desde Montería.



En total fueron entregados 2,3 kilómetros de corredores verdes en el Centro de la ciudad.

JAVIER NIETO

LOS DATOS

- **45.000 MILLONES** de pesos fueron invertidos en los corredores verdes.
- **18 CORREDORES** en ejes viales y 12 en las principales quebradas componen el proyecto
- **2.3 KILÓMETROS** fueron entregados en la Avenida Oriental y la calle 57.

la evolución en la expansión de las zonas verdes de la ciudad.

Sin embargo, la siembra de árboles y el mejoramiento de los pisos verdes no son suficientes para mejorar el impacto de la contaminación ambiental en la ciudad.

Al menos así lo consideró Luis Fernando González, director de la Escuela de Hábitat de la Universidad Nacional de Colombia, quien dijo que el efecto de este proyecto no es tan grande para mitigar el nivel de contaminación que tiene Medellín.

"No por sembrar árboles se van a mejorar las condiciones. Hay que cambiar los esquemas de movilidad, reducirla para que haya una verdadera transformación de ciudad", agregó González.

Aunque resalta el aporte en algunos aspectos, como la percepción social al cambiar el imaginario alrededor de lo gris, sostuvo que no son medidas suficientes para problemáticas como la reducción de emisiones del CO2 ni para el aumento progresivo del parque automotor.

"La transformación ambiental se tiene que dar con políticas que trasciendan en las administraciones. No hay que seguir cayendo en gobiernos 'cortoplacistas' que frenan el avance urbano", afirmó el director.

EL APUNTE

● **FEDERICO GUTIÉRREZ**, alcalde de Medellín, invitó a la ciudadanía a hacer uso correcto de estos corredores verdes ya que su implementación implican un crecimiento de la ciudad en materia de sostenibilidad. Según el

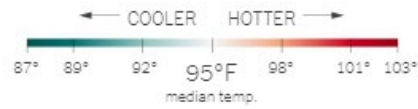
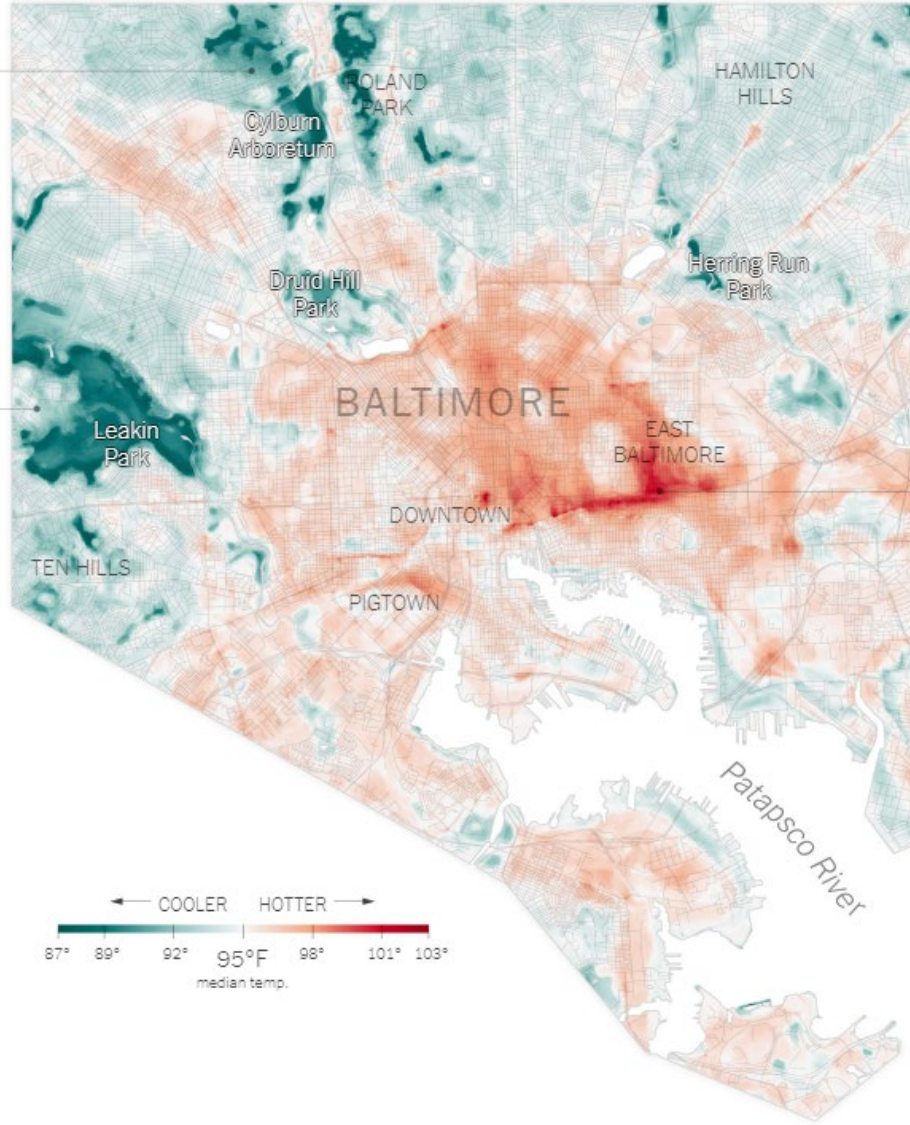
funcionario, esta siembra puede ayudar a disminuir hasta 2 grados centígrados en la temperatura de la zona. "Este es nuestro jardín común, por eso implican un crecimiento de la ciudad en materia de sostenibilidad. Según el

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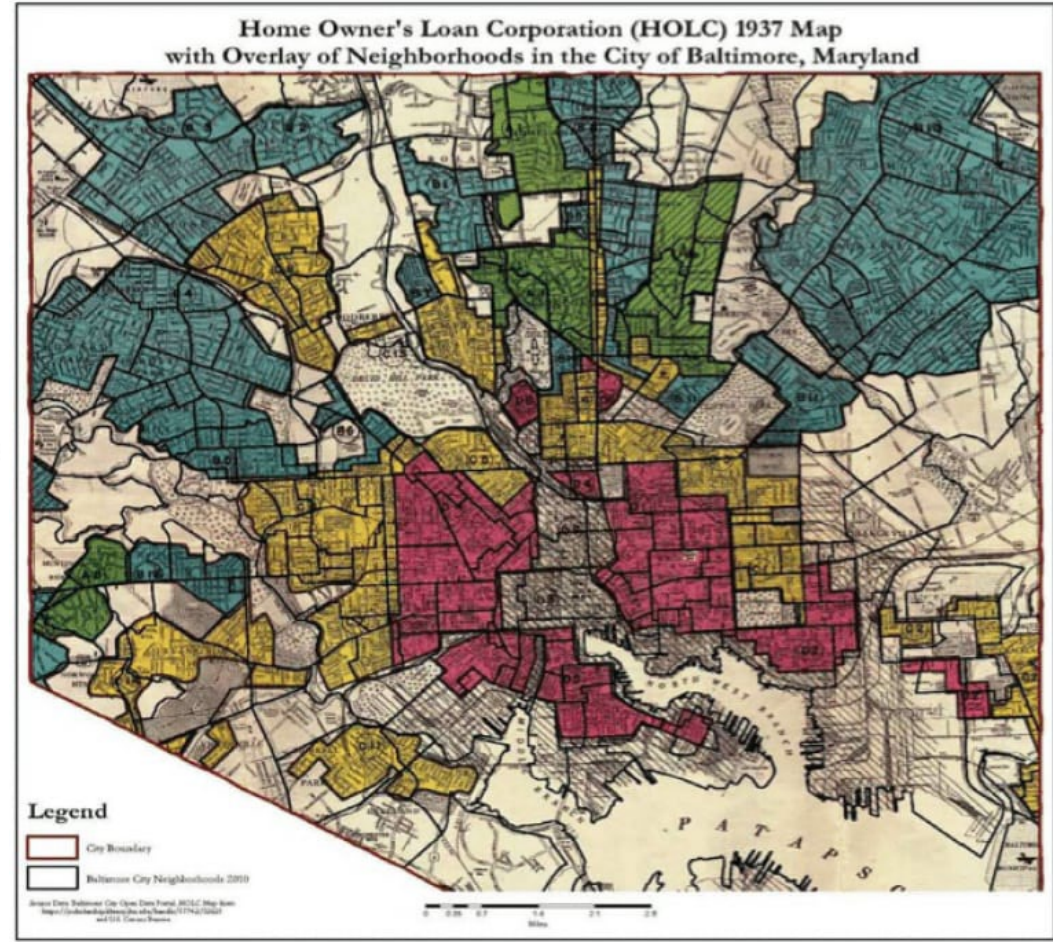




Cooler: Neighborhoods next to parks and those with plenty of tree cover saw significantly cooler temperatures on a hot summer afternoon: as low as 87°F.



Hotter: On the same day, residential neighborhoods east of downtown saw hotspots reach over 101°F.



BALTIMORE

AFTERNOON RANGE: 87°F TO 103°F

Credit: NYTimes





I'M
TREE
ONE MILLION.

Accelerating Climate Action in Cities Hosted by Bloomberg Associates

Panel 1: Improving Access + Equity through Urban Forests

ANGELA TOVAR

City of Chicago

AYANDA ROJI

Centre on African
Public Spaces

STEVE ANDREWS

Earthwatch Institute

JACOB KOCH, Bloomberg Associates, Moderator



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Panel 2: Scaling Impact through Partnerships

**CATE MINGOYA-
LAFORTUNE**

Groundwork USA

WHITNEY SMITH

City of Detroit

**ANDREA MARPILLERO-
COLOMINA**

GreenLatinos

BENITA HUSSAIN, American Forests, Moderator



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United Nations
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Bloomberg Associates

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Panel 3: Protecting Residents in an Age of Extreme Weather

BUSHRA AFREEN

Dhaka, Bangladesh

EUGENIA KARGBO

Freetown, Sierra Leone

LENIO MYRIVILI

Chief Heat Officer, UN-Habitat

KATHY BAUGHMAN MCLEOD

Adrienne Arsht-Rockefeller Foundation Resilience Center, Moderator



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