

Nuovi sviluppi dell'*urban forest*

Due anni dopo il Mantova World Forum

UNIVERSITÀ DEGLI STUDI DI MILANO
LA STATALE

Giorgio Vacchiano
Ricercatore in gestione forestale

GEORGE STEINMETZ



World Forum on Urban Forests

Mantova 2018

TREE CITIES OF THE WORLD™

A programme of:

Food and Agriculture Organization of the United Nations

Arbor Day Foundation®

Mantova Challenge:
a challenge to all cities around the globe

ADERISCI




PM&G




Forestami
Albero dopo albero
la mia città è sempre più verde
Piantiamo insieme 3 milioni di alberi
nella grande Milano entro il 2030
Partecipa su Forestami.org

O B C

ossigenobenecomune

città metropolitana napoli



OSSIGENO

6 MILIONI DI NUOVI ALBERI PER UN LAZIO PIÙ GREEN

12 MILIONI

L'investimento della Regione nel progetto: 4 milioni di euro ogni anno dal 2020 al 2022 per la piantumazione e la gestione dei nuovi alberi

6 MILIONI

I nuovi alberi e arbusti che saranno piantumati nei centri urbani e fuori dai centri urbani di tutto il Lazio

30 MILA

Gli ettari di **"bosco diffuso"** in più nel Lazio

240 MILA

Le tonnellate all'anno di CO_2 che sarà assimilata e compensata grazie ai nuovi alberi

Mettiamo **radici** per il **futuro**

26 settembre 2020

BOBBIO

Chiostro dell'Abbazia di San Colombano



L'orizzonte verde dell'Emilia-Romagna:

4 milioni e mezzo di nuovi alberi





Chilometro Verde (PR)



Piantiamo 60 milioni di alberi

60 milioni



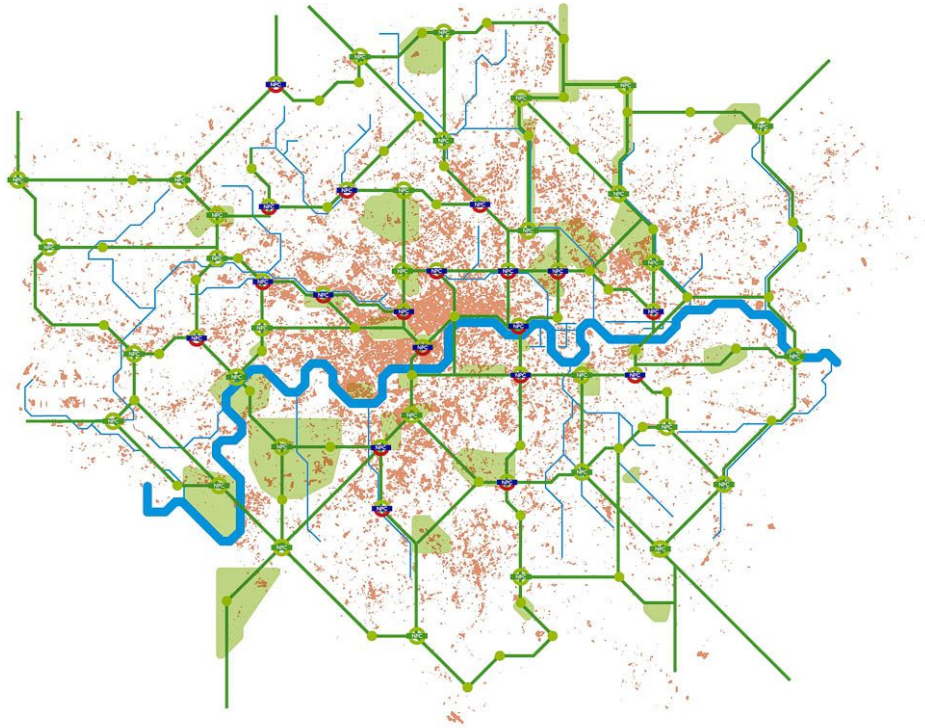

PIANTIAMO 60 MILIONI DI ALBERI,
MA FACCIAMOLO BENE!

AlberItalia

IL POSTO GIUSTO PER GLI ALBERI GIUSTI...

contro la crisi climatica

LIVING NETWORK
LONDON NATIONAL PARK CITY



Green Interchange
Urban Interchange
Green Node
Greenway
Blueway
Local Green Spaces

PUBLIC GREEN INFRASTRUCTURE + LOCAL GREEN SPACE = NATIONAL PARK CITY

We imagine the national park city as a 'living network'. We propose an infrastructure that combines all scales of greenspace, from plant pot to greenbelt.

National Park City

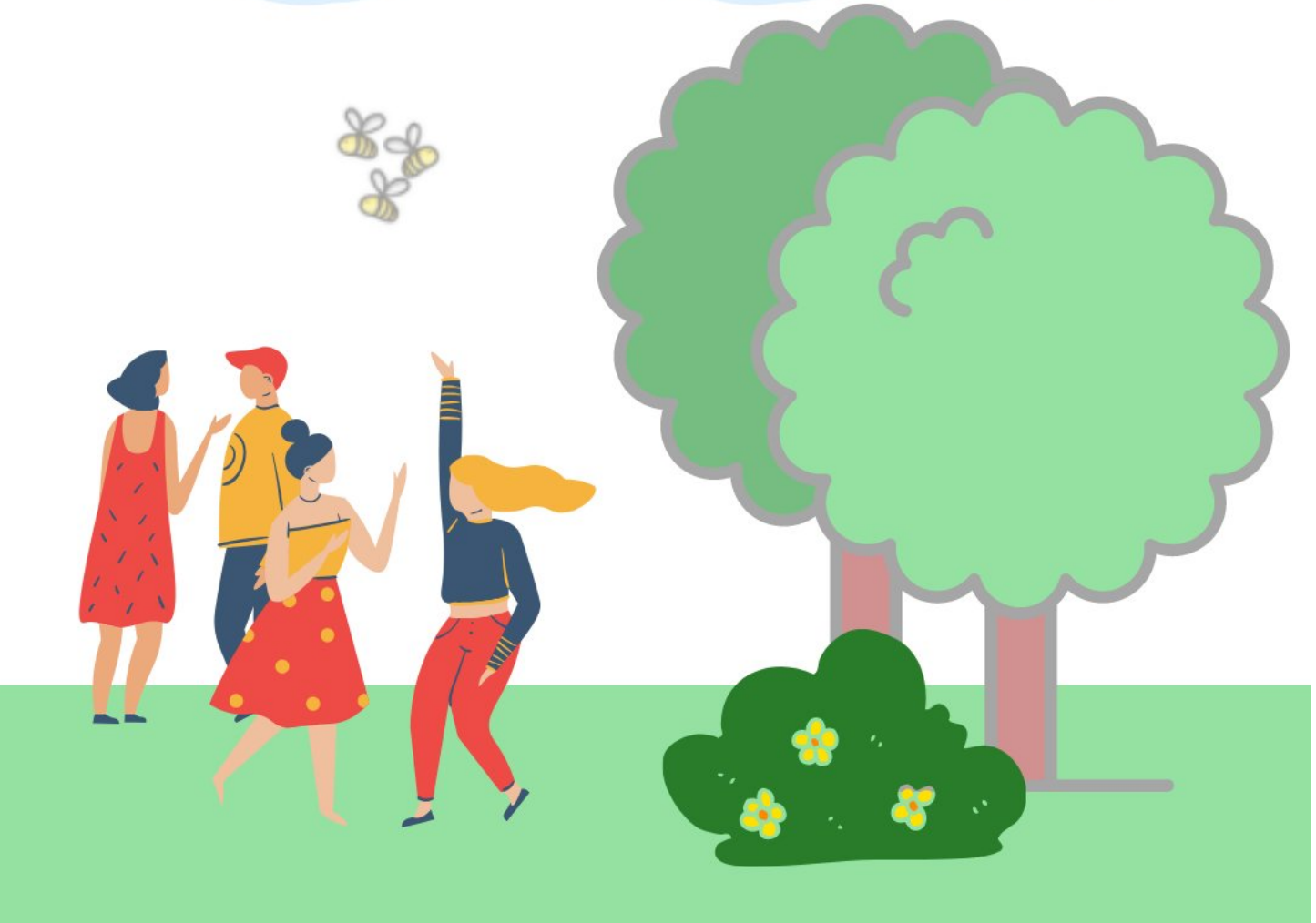


A proposal to make Greater London
the world's first National Park City

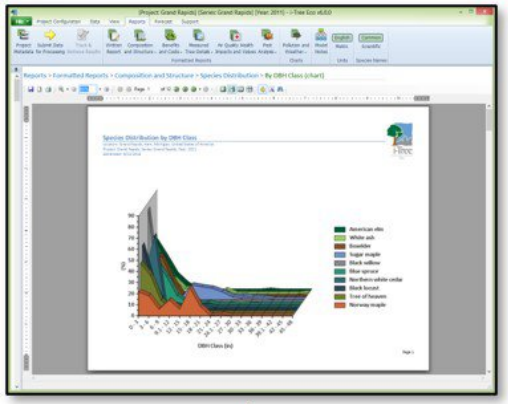
Treeconomics

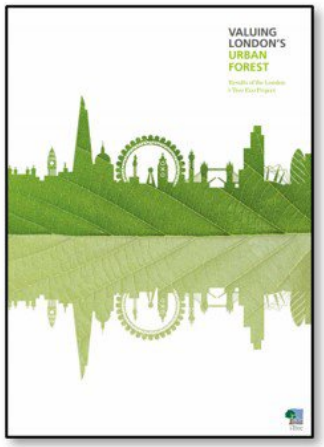
i-Tree

Measuring the Urban Forest









Paris to plant 170,000 new trees and turn key spots into urban forests



Life Terra

The Project News About us Contact Join in



500 million trees by 2025

Life Terra is a foundation with a mission to enable people to take impactful climate action now. We facilitate tree planting, educate future generations, and develop tree monitoring technology.

Ethiopia plants more than 350 million trees in 12 hours

By Sharif Paget and Helen Regan, CNN

Updated 0425 GMT (1225 HKT) July 30, 2019



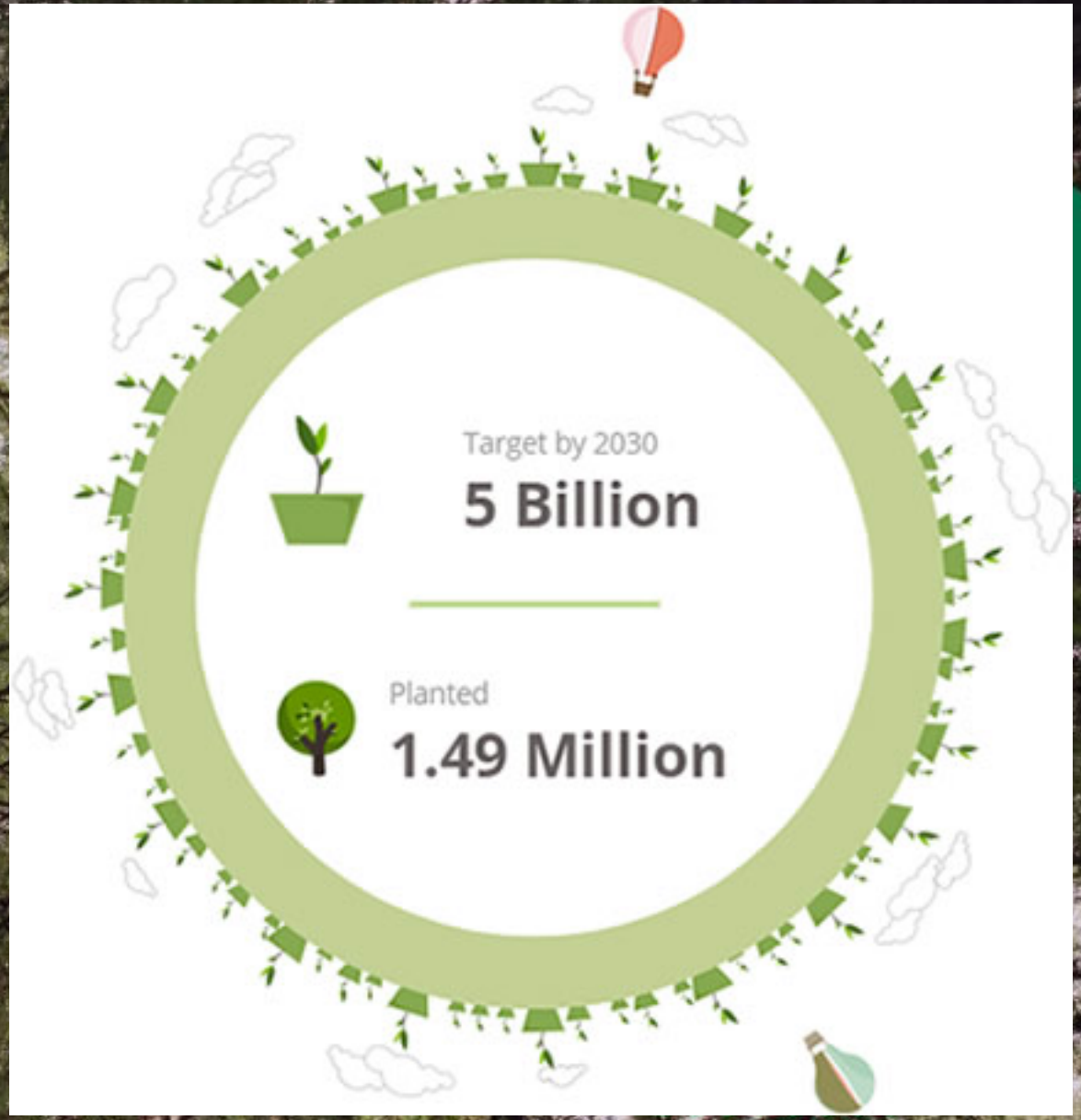
News & buzz


What Trump reveals in saying Hispanic supporter 'looks more like...


EPA set to revoke California's authority to set vehicle standards

Conserve.
Restore.
Grow.

1t.org | US



Decreto clima

MINISTERO DELL'AMBIENTE
E DELLA TUTELA DEL TERRITORIO E DEL MARE




ALLE CITTÀ METROPOLITANE 30 MILIONI
PER LA FORESTAZIONE.
COME ACCEDERE AI FONDI

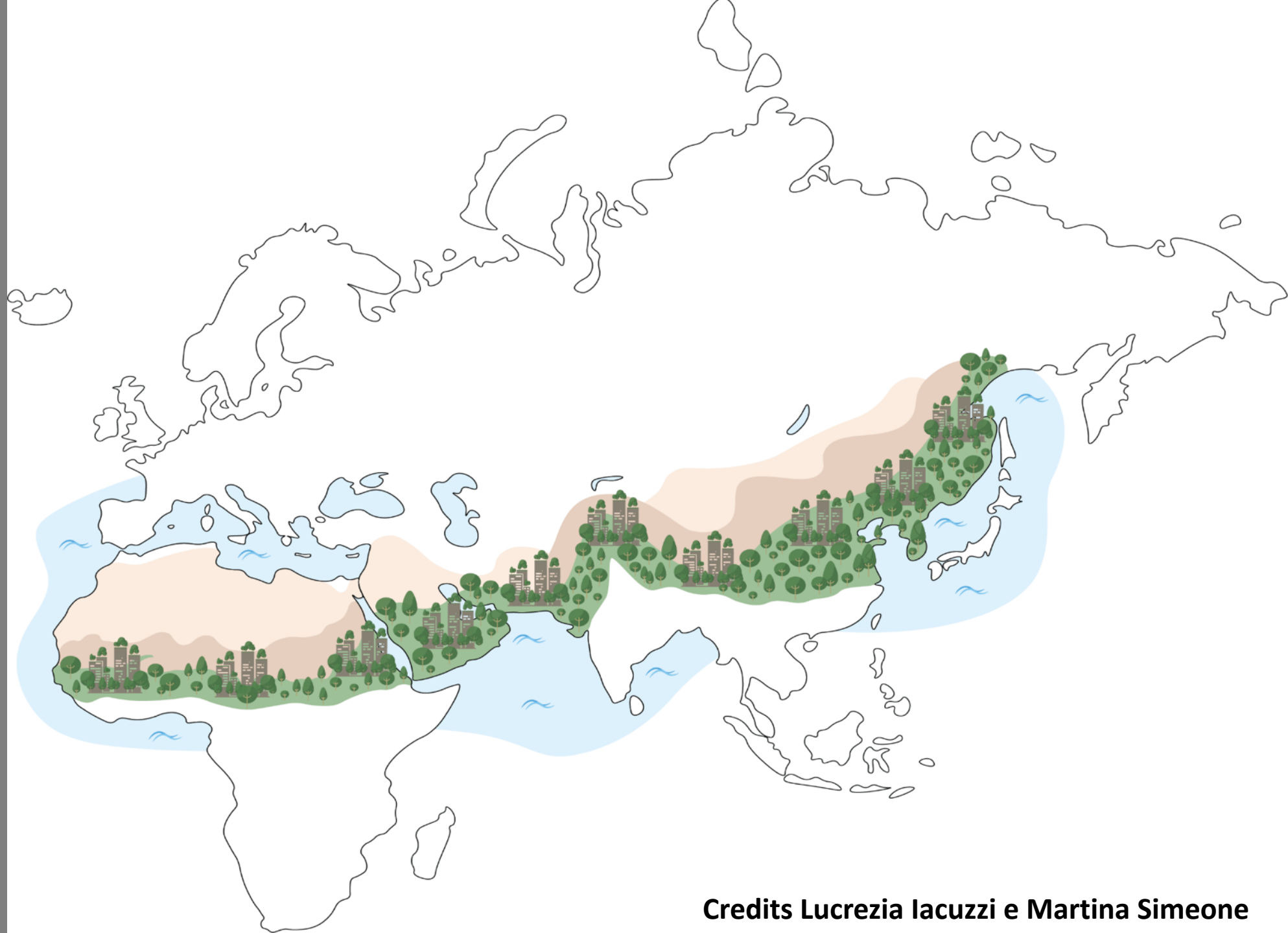

NEXT
GENERATION EU
#NextGenerationEU #EUBudget

Great Green Wall of Cities


Paris
Strasbourg
Munich
Vienna
Budapest
Basel
Zagreb
Belgrado
Sarajevo
Sofia
Skopje
Tirana
Thessaloniki
Athens
Lyon
Geneve
Milan
Turin
Genoa
Bologna
Firenze
Nimes
Montpellier
Marseille
Nice
Rome
Naples
Bari

Great Green Wall of Cities

Africa chiama Asia



Credits Lucrezia Iacuzzi e Martina Simeone

Protecting and Managing EXISTING **FORESTS**

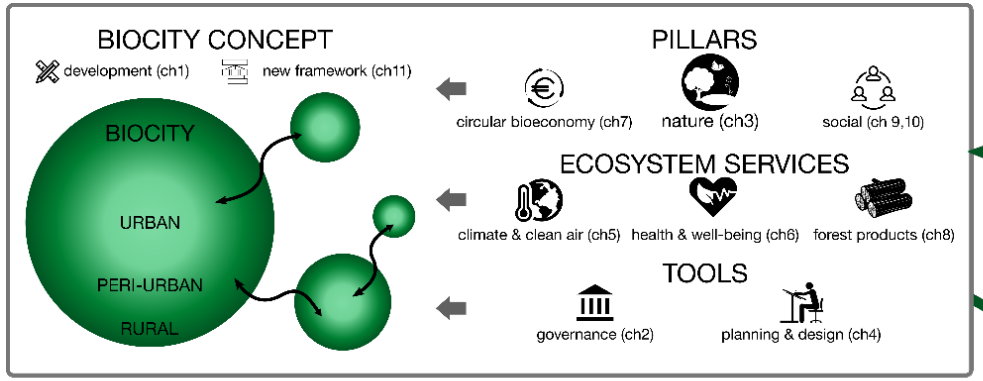


GGWC will also help restoring/keeping 300,000 ha of existing natural forests in and around cities

BIOCITIES TOWARDS ESTABLISHING AN EFI FACILITY ON URBAN AND PERIURBAN FORESTS

A high-level dialogue and postioning

- **Facilitare le connessioni** fra conoscenza basata sulla scienza, la politica e la pratica
- Liberare il potenziale delle **soluzioni basate sulle foreste** nel creare città resilienti
- Guidare i processi di **decarbonizzazione** della nostra società a partire dalle città



BIOCITY CONCEPT AND STRUCTURE

The way forward (ch 12)

Future Scenarios

Board of stakeholders

feedback

Expert panel

input

BIOCITY CONSORTIUM

Pre-project background info

Writing teams (per chapter)

Focus group discussions (per chapter)

RESEARCH AGENDA

GREEN BOOK

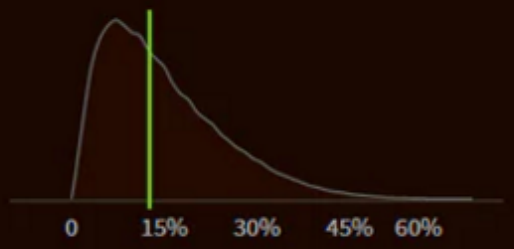
Impacts beyond project lifetime

EFI Biocities facility

Outreach to community of urban planners

Project time line	7/2020	10/2020	11/2020	1/2021	3/2021	5/2021	7/2021		9/2021	12/2021
	START	scoping report	gap analysis	implementation analysis	stakeholder implication	synthesis workshop	final editing	END	review process	publication & EFI ThinkForest Event

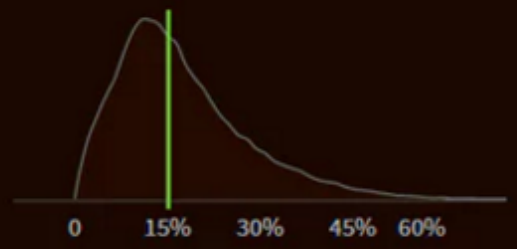




London

Green View Index	12.7%
Population Density	5,518/km²

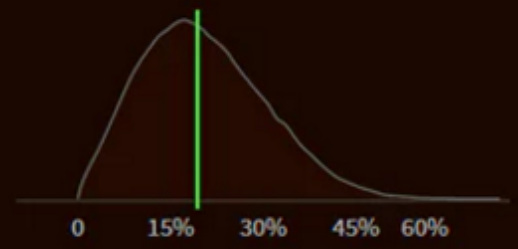




Los Angeles

Green View Index	15.2%
Population Density	3,198/km²

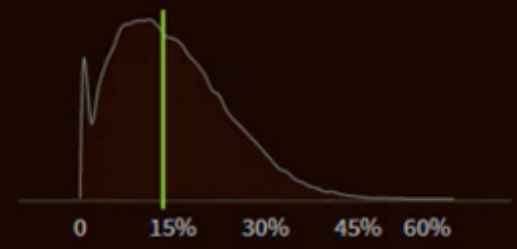




Miami

Green View Index	19.4%
Population Density	4,770/km²

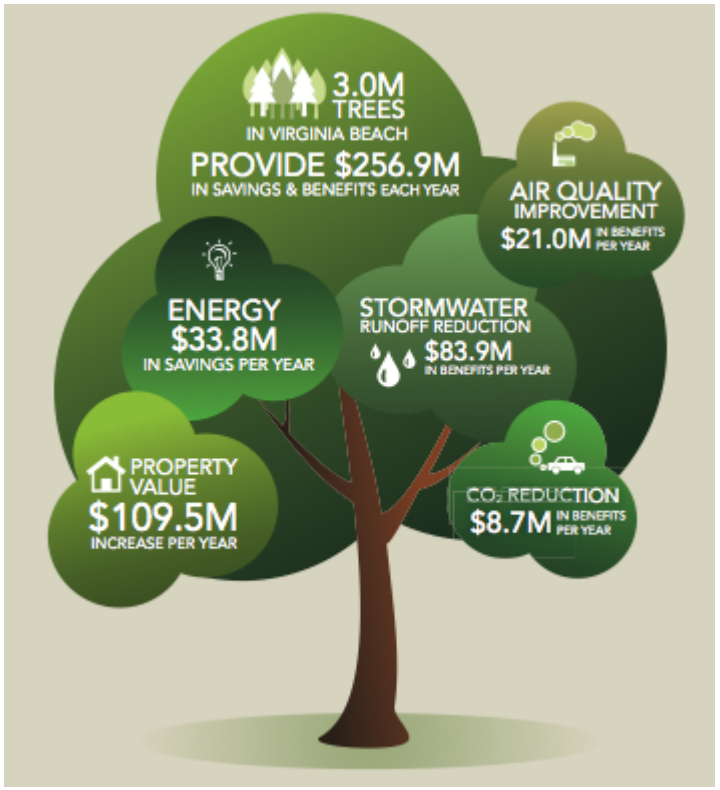




New York

Green View Index	13.5%
Population Density	10,831/km²


4
2
1
6
7
5
3

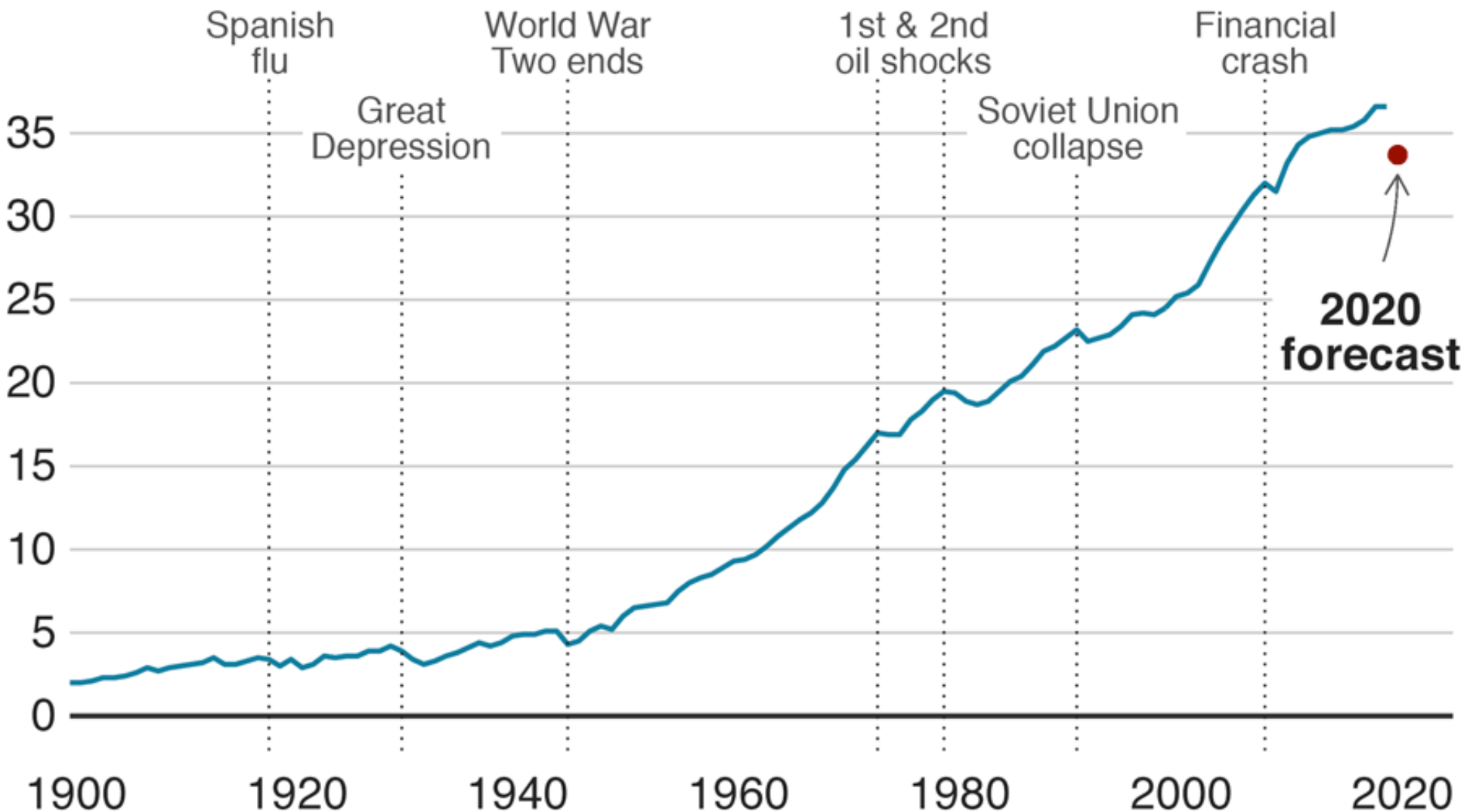

3.0M
TREES
IN VIRGINIA BEACH
PROVIDE $256.9M
IN SAVINGS & BENEFITS EACH YEAR
AIR QUALITY
IMPROVEMENT
$21.0M IN BENEFITS PER YEAR
ENERGY
$33.8M
IN SAVINGS PER YEAR
STORMWATER
RUNOFF REDUCTION
$83.9M
IN BENEFITS PER YEAR
PROPERTY
VALUE
$109.5M
INCREASE PER YEAR
CO_2 REDUCTION
$8.7M IN BENEFITS PER YEAR


AIR
URBAN
PEOPLE
ECOSYSTEM
SOIL
WATER
RESEARCH
TREES


Top 10 emerging risks
1. Pandemics and infectious diseases (+7)
2. Climate change (-1)
3. Cybersecurity risks (-1)
4. Geopolitical instability (-1)
5. Social discontent and local conflicts (-1)
6. New threats to security (+3)
7. Macroeconomic risks (+3)
8. Natural resources and biodiversity risks (-2)
9. Financial risks (+2)
10. Pollution (-3)
(Rank change on 2019)
Source: AXA 2020 Future Risks Report

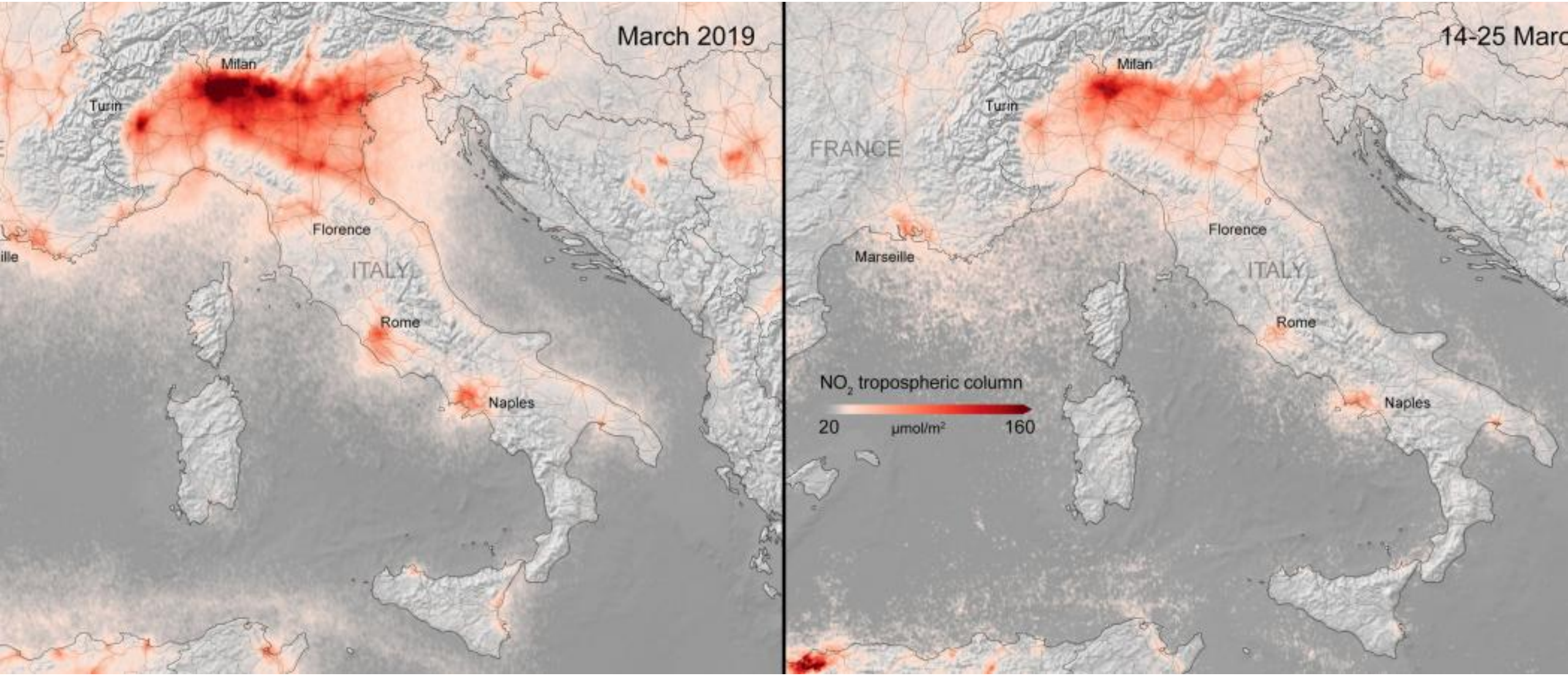
Global CO2 emissions, 1900-present

Billion tonnes of CO2 per year



Source: Global Carbon Project, CDIAC & IEA

BBC


March 2019
Milan
Turin
Florence
ITALY
Rome
Naples
14-25 Marc
Milan
Turin
FRANCE
Marseille
Florence
ITALY
Rome
Naples
NO2 tropospheric column
20
µmol/m²
160

AMERICAN FORESTS
- SINCE 1875 -

DONATE

ABOUT US | WHY IT MATTERS | WHAT WE DO | WAYS TO GIVE | GET INVOLVED



TREES AS A PATHWAY FOR SOCIAL EQUITY

TREE EQUITY SCORE

POWERED BY AMERICAN FORESTS - SINCE 1875 -

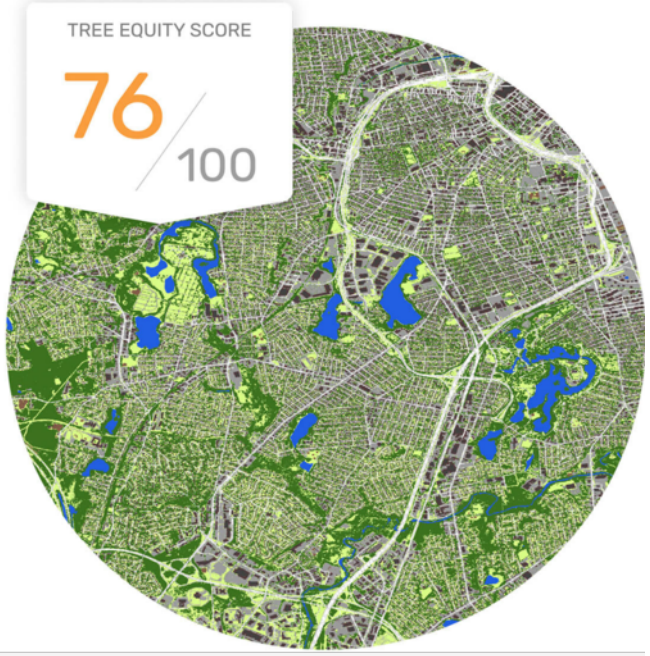
Menu

Launch App

Help create tree equity in cities and towns across America.

Trees are sparse in most low-income neighborhoods. We're on a mission to





Existing tree canopy

Population density

Income

Race

Age

Surface temperature

Employment



A New European Bauhaus

European Commission

A MORE BEAUTIFUL AND HUMANE WORLD

GOOD DESIGN IMPROVES LIVES

NECESSARY CAN BE BEAUTIFUL

#EUBauhaus
#EUGreenDeal

