

Mayors Forum on Urban Nature and Biodiversity

Urban Nature Program

October 27, 2024. 10:30 am to 12:30 pm



Welcome Remarks

Marie-Andree Mauger, Vice Mayor of Montreal, Canada

Alejandro Eder, Mayor of Cali, Colombia.

Overview

Urban Nature Program

Xueman Wang, GPSC Program Manager, World Bank

Sharon Gil, Cities Lead, UNEP

Ingrid Coetzee, Director, Biodiversity, Nature & Health, ICLEI

Urban Nature Program

Scaling up financing for nature-positive urban development



Keynote Speech
Call for Action

H.E. Ms. Razan Al Mubarak
High-Level Champion UNFCCC COP28
President of IUCN

Vision and Ambition from Mayors

Moderated by Gregor Robertson
Former Mayor of Vancouver, Canada

Bogotá

Colombia

Mr. Carlos Fernando Galán
Mayor of Bogotá

Bogotá D.C *(7.93 million inhabitants, largest paramo system in the world: Sumapaz, 17 District Wetland Reserves, 75% rural territory)*

Ambition and Targets

- Restoration of the Eastern Hills.
- Efficient and participatory management of the main ecological structure.
- The transfer of construction and development rights .
- Improve environmental quality in the southwestern part of the city.
- Implement integrated management of watersheds.

Planning and Investment

- Climate Action Policy that produced a 22% decrease in Greenhouse Gas Emissions by 2022 and ambitious targets ahead: 50% decrease in Greenhouse Gas Emissions by 2030 and carbon neutrality by 2050.
- Increase of 27.49% in the environmental budget investment in the District Development Plan.

Support

- Implementation of the Ecological Restoration Plan for the Eastern Hills.
- Renaturalization Plan and Green Urban Renewal Strategy.
- Conservation of strategic areas for water resources.
- Monitoring Networks.
- Innovation and technology for environmental management and control.

Del Carmen

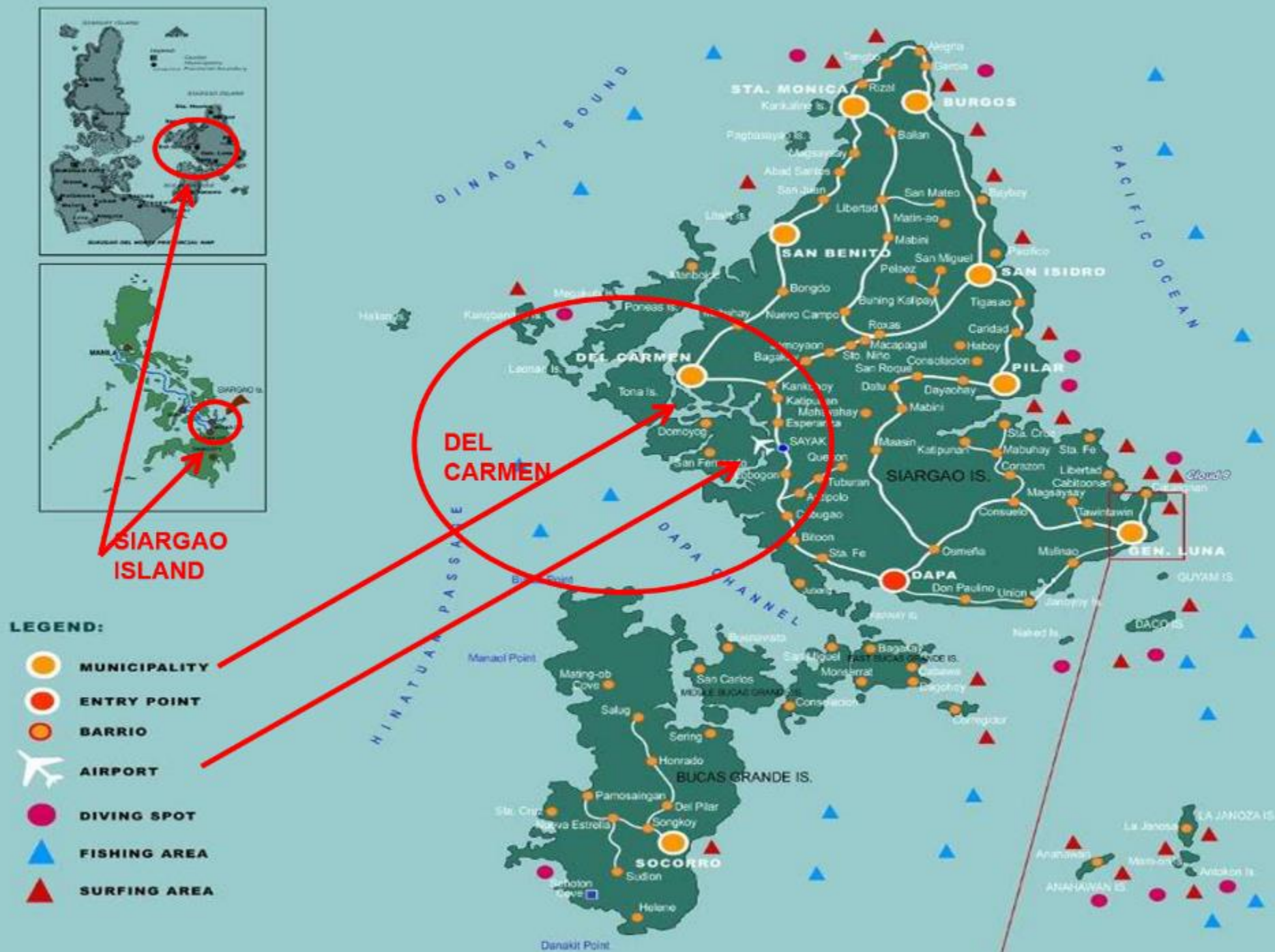
Philippines

Mr. Alfredo M Coro II
Mayor of Del Carmen



Del Carmen Information

Population	19,678 (*2013 Census)
Poverty Index	3 rd Class / 25.3%
No of Villages	20 (4 Islands, 9 Coastal, 1 Upland, 6 Inland)
Livelihood	Farming, Fishing, Tourism
Key Features	5,000 Hectare Mangrove Forest and 44,000 Hectares of Municipal Waters





Del Carmen



Ambition and Targets

Ensure the balance of nature-based solutions and grey infrastructure for economic resilience, disasters risk reduction, food security and livability of our communities through the protection and preservation of the biodiversity of landscapes and seascapes

Planning and Investment

- Plant more Endemic and Fruit Bearing trees in the right places!
- Improving the fundamental social determinants for people to support policies and advocacies for the planet: accessible and affordable power, water, health, education and food.
- Establish better technology-based solutions to manage waste

Support

- Access to Experts, Best Practices and Technology
- Capacity Building in Planning on regional level versus current practice of the local government
- Increased Role of Local Governments in International Standards development as all implementation are local



Del Carmen

URBANIZATION PLANS AND PROGRAMS

ONGOING

- International Cruise Ship Port
- Circular Economy for Waste Management
- Social Protection: Access to Insurance and Housing Program for the Poor
- Better Maritime Security for MPA management and Illegal Fishers
- Improvement of Internet Connectivity

PLANNING STAGE

- International Airport
- Integrated Water Management System with the World Bank under the Philippine Water Supply and Sanitation Project
- Local Energy Generation using RE

SIARGAO ISLANDS PROTECT LANDSCAPE AND SEASCAPES





Del Carmen

LOCAL ACTION, GLOBAL IMPACT.



Douala IV

Cameroon

Mr. Edouard Hervé Moby Mpah

Mayor of Douala IV

Douala IV Council

Population: around 1,000,000 inhabitants

Surface area: 94,21 km²

80.2% of the territory is at high risk of flooding due to its low-lying altimetry

Wetlands: a rich variety of flora and fauna

Mangrove forest host **the Red Class marine turtle species** listed by the International Union for Conservation of Nature (IUCN)

Environmental challenges:, pollution, flooding and deforestation (mangrove loss represented 44% between 2000 and 2015)



Douala IV Council *(Ambitions and Targets)*

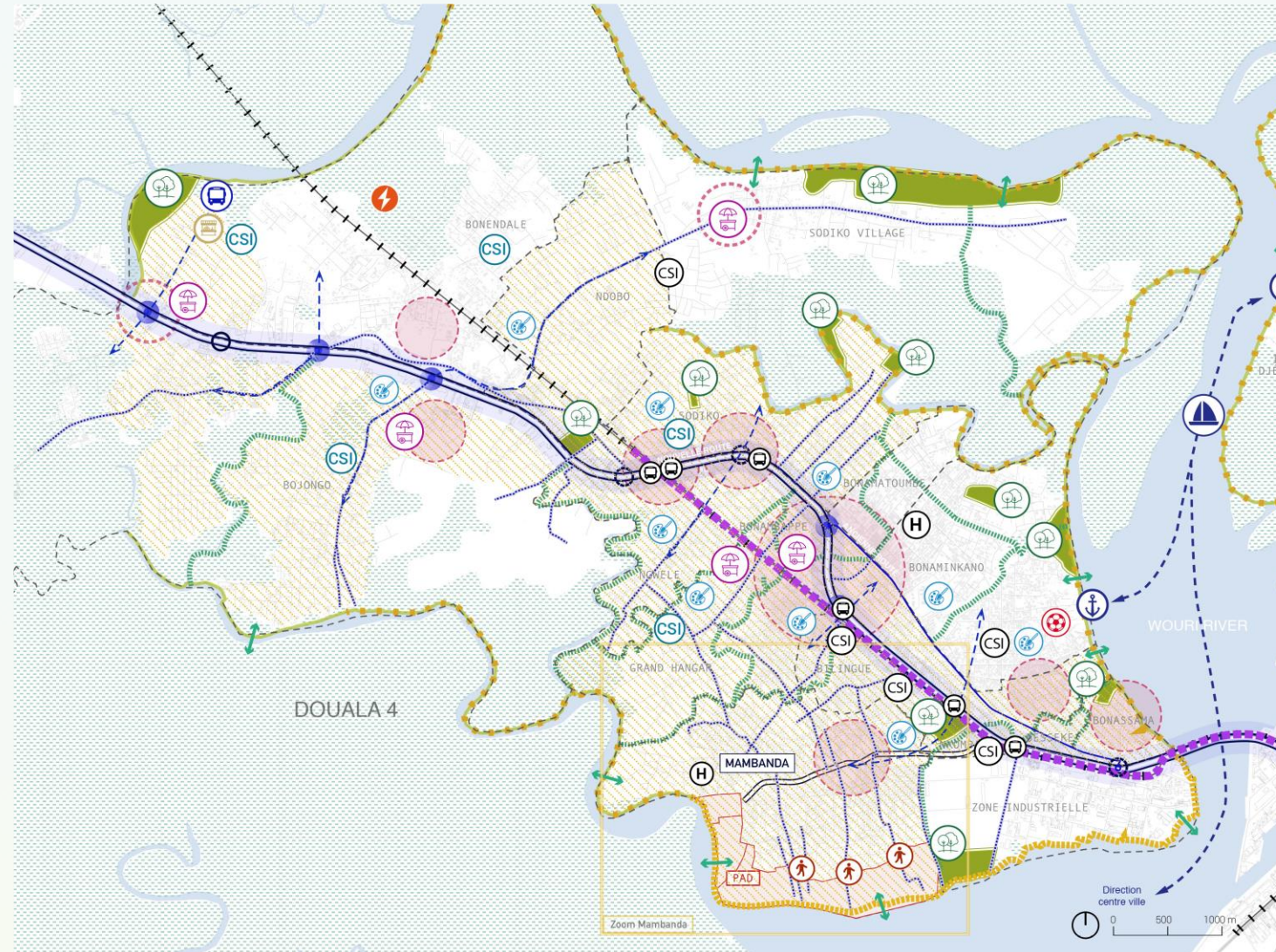
Douala 4 recognises the urgent need to restore urban ecosystems and is committed to promoting urban biodiversity and environmental sustainability.

- **Vision** : Restore mangrove forests to protect biodiversity, improve ecosystem services and increase resilience to the climate changes, through nature-based solutions.
- Our actions are supported by the **United Nations Environment Programme**, as part of the '**Generation Restoration**' project, for which we have been selected as a **pilot city**.
- **Targets** : mangrove restoration activities, improve local governance, develop sustainable financing mechanisms, capacity building for stakeholders, environmental awareness-raising



Douala IV Council *(Planning and Investment)*

- The **Communal Development Plan** aligns with the UN's Ecosystem Restoration Decade, serving as a crucial instrument for local and spatial development.
- It integrates strategies for the sustainable management and conservation of natural landscapes and wetlands over the medium to long term.
- **Private sector initiatives:** *Cameroon Mangrove Restoration and Resilience* programme, funded by the Orange Foundation and implemented by the NGO Planete Urgence, which involves reforesting 1,000 hectares of Jebalè island.



Douala IV Council *(Call for Investment)*

- The Douala IV Council allocates **12% of its annual budget to green initiatives.**
- Local initiatives, often **supported by international programmes**, aim to reverse the degradation of natural habitats and promote sustainable management practices.
- Call for investors to **strengthen the green and blue infrastructure** that is essential to the resilience and prosperity of the locality.

Project examples:

- Development of parks and nature reserves,
- Protection of wetlands,
- Restoration of mangrove forests,
- Implementation of eco-tourism programmes that generate income while preserving the environment,
- Sustainable land management projects, etc.

Kisumu

Kenya

Mr. Peter Anyang' Nyong'o
Governor of Kisumu

Kisumu City

- Kisumu is both a rural and urban County with Kisumu City being the commercial hub for western Kenya and an entry inland port to the great Lake region.
- VISION
- A prosperous and dynamic county that is a harbour of excellence.

Kisumu City

BIODIVERSITY AMBITIONS AND TARGETS

- To halt and reverse deforestation and land degradation by 30%.
- To scale nature-based solutions through the opportunity to get Financing for implementation.
- To support the rights of local communities within threatened ecosystems and ensuring they benefit from any interventions.

AMBITIONS TO LEVERAGE URBAN NATURE FOR CLIMATE RESILIENCE

- Expanding green spaces and reforestation.
- Restoration of riverine and wetland ecosystems.
- Infrastructure adaptation and use of porous surfaces in flood prone areas.
- Enhance urban agriculture

PLANS AND STRATEGIES

- Kisumu County Integrated Development Plan (CIDP-2023-2027)
- Kisumu City Masterplan
- Integrated Strategic Urban Development plan
- Local Physical and Land use development plans
- Kisumu Sustainable Mobility plan.

- Investment in Nature Based Solution projects
- REDD+ (Reducing Emissions from Deforestation and Degradation) carbon credits financing
- Investment in Payment for Ecosystem Services programs
- Blended finance consideration
- Support in Reforestation and afforestation of urban and public spaces

Nansana

Uganda

Ms. Regina Nakkazzi

Mayor of Nansana

Nansana

- Keep Nansana green and clean targeting 10,000 trees planted in open spaces, degraded stone quarries, along municipal roads by end year 2025.
- Establishment of 20 woodlots and 5 urban forests , buffers to protect wetlands and rivers i.e. lubigi wetland
- Plan to Update the Nansana climate action plan, develop a community engagement strategy, strengthen national local cooperation , bring on board existing youth climate Action groups to build synergies
- These interventions require technical assistance, rebranding and development of messages, technical advancement in waste management and development of a biodiversity municipal development plan.

Samborondón

Ecuador

Mr Juan José Yúnez Nowak
Mayor of Samborondón

Samborondón *(Ambition and targets)*

- We have Parque Histórico, a theme park covering eight hectares, where the characteristic ecosystems of the Ecuadorian coast, such as mangroves, dry forests, floodplains, and cloud forests, have been restored. This restoration is the first in Ecuador within an urban area.
- Through the implementation of municipal ordinances, we promote sustainable architectural designs and constructions in residential developments. These infrastructures benefit from tax incentives.
- Constructions must include at least 20% green areas.
- The city provides approximately 30 to 35 m² of green areas per inhabitant.

Samborondón *(Planning and investment)*

THE VISION AND OBJECTIVES OF A CITY FOR BIODIVERSITY AND THE USE OF URBAN NATURE FOR CLIMATE RESILIENCE

Municipality of Samborondón mandates that EVERY PROJECT, whether municipal or private, must include green and reforested areas, promoting investment in urban nature.

In collaboration with researchers from local universities, efforts have been made to reduce pesticide use; promoting environmental education, efficient waste management, sustainable mobility.

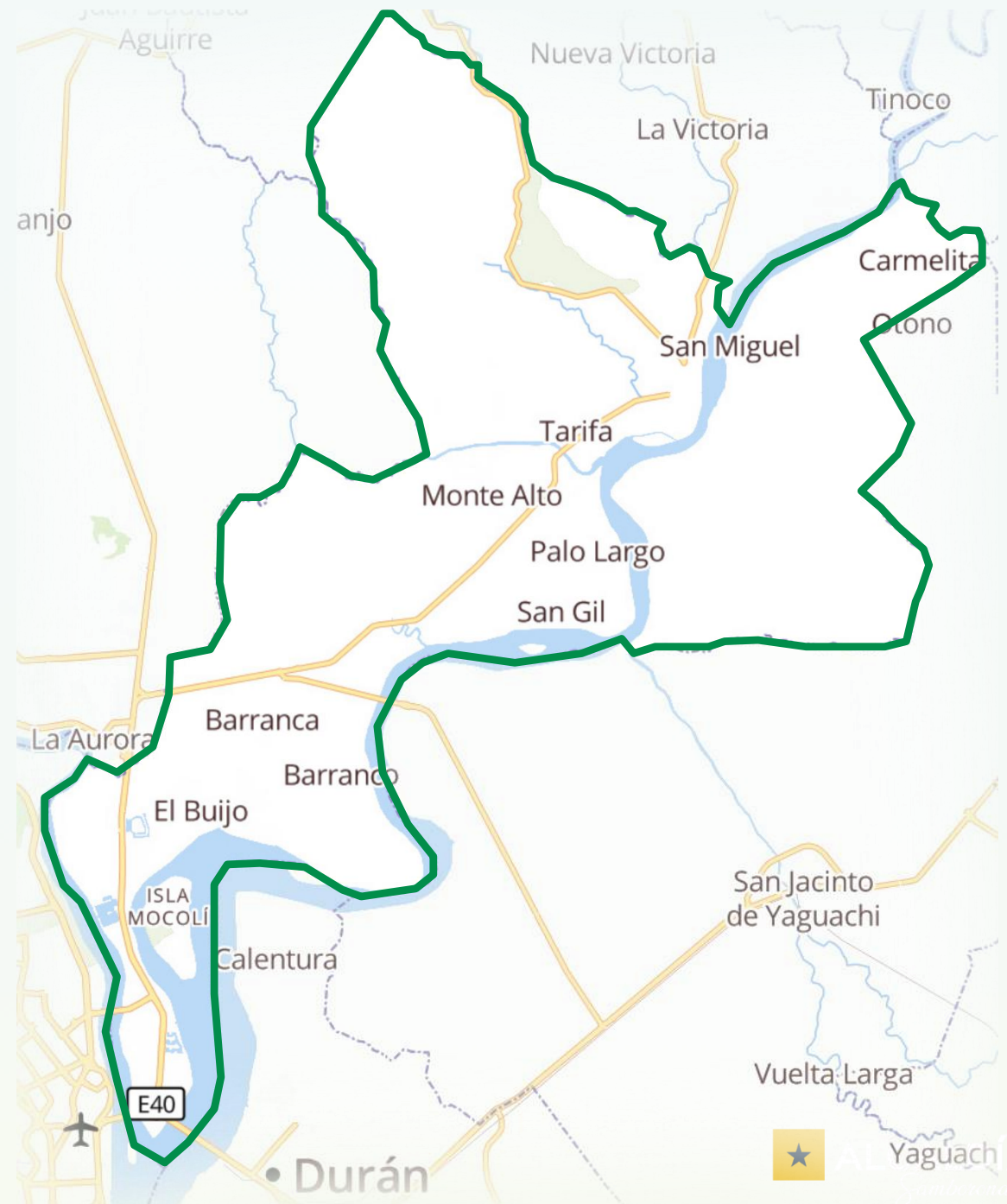
Samborondón 2030 Sustainability Plan, whose primary goal is to increase green spaces and improve urban planning for human well-being, biodiversity, and the connectivity of green and blue spaces (Daule and Babahoyo rivers).

Samborondón *(Support)*

- Samborondón has included in its city planning the goal of restoring the urban mangrove ecosystems that once existed along the riverbanks near the Gulf of Guayaquil.
- So far, an inventory of biodiversity has been completed, invasive species have been removed, and reforestation with three species of mangrove has begun.
- The project aims to plant 6,000 mangroves, create mangrove nurseries, and cultivate other native species. With this experience, the support of international organizations, and the lessons learned from cities that have worked on similar efforts for years, this pilot will be replicated in strategic urban areas where mangrove forests once existed.



ALCALDÍA
Samborombón



Montreal

Canada

Ms. Marie-Andree Mauger

Deputy Mayor of Montreal

Montreal

2 million population

Ambition and Targets

Montreal 2030 Plan

Montreal Climate Plan

Planning and Investment

Urban and Mobility Plan

Nature and Sport Plan

Circular economy

Roadmap

Ecosystem Restoration
Program

Regional Wetland
Protection Plan

Pollinator Strategy

Support

Exchange of expertise
and financing initiatives

Nagoya

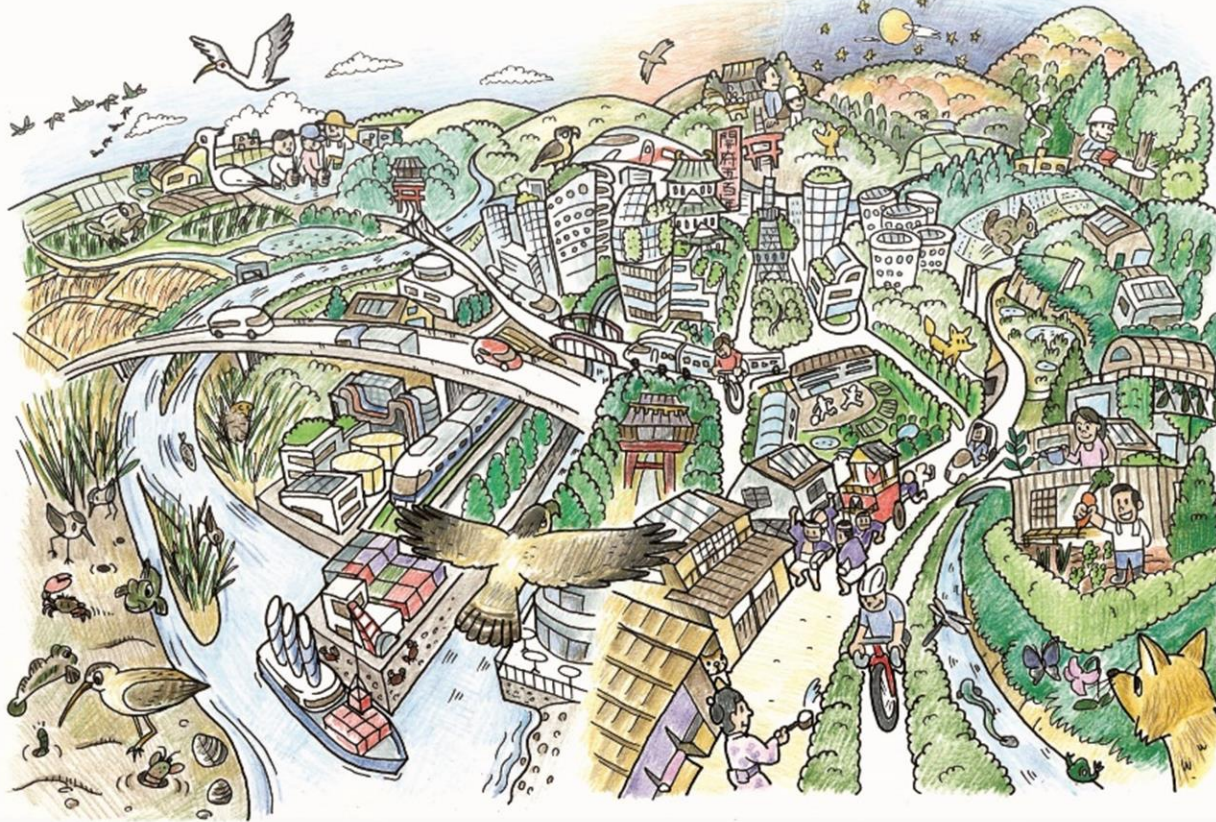
Japan

Ms Midori Sugino

Deputy Mayor, Nagoya

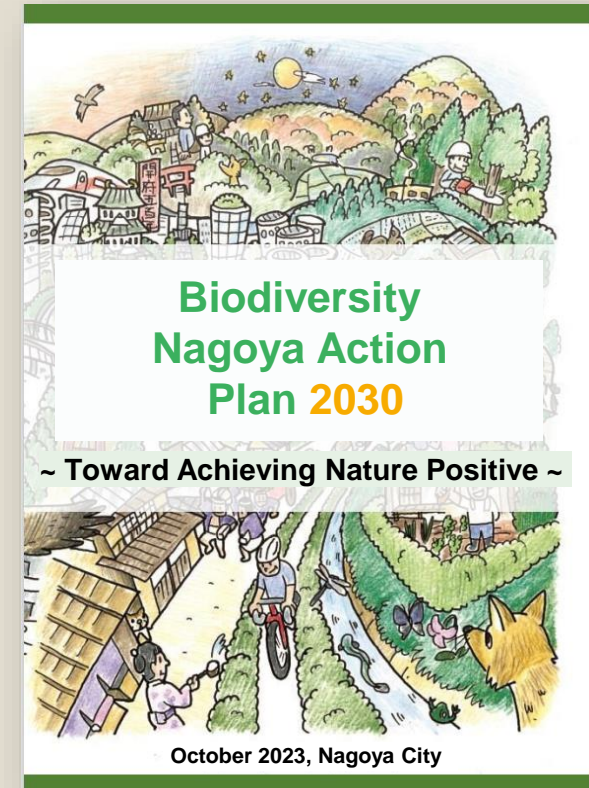
Nagoya *We are an industrial city with 2.3 million population*

Ambition and Targets



Our ideal vision of Nagoya in 2100

Planning and Investment



Seattle

USA

Ms. Adiam Emery
Deputy Mayor of Seattle

Seattle *(755,078 people, 83.9 sq miles, 86 miles of shoreline)*

Ambition and Targets

We envision an equitable, resilient Seattle prepared for climate change, where everyone – starting with those most harmed by inequities – shares in the benefits of the green economy and a vibrant, healthy urban forest. Seattle aims to establish 30% tree canopy by 2037.

Planning and Investment

Embed across departments and programming

Continue creating tax mechanisms

Expand public-private partnerships

Support

- Community of practice
- Financing framework
- Targets and monitoring, especially around native species diversity in urban forests
- Campaigns to bring focus/awareness locally, nationally and internationally

Sirajganj

Bangladesh

Mr Tofazzal Hossain
Administrator of Sirajganj

Sirajganj City



Population

194,467 people (2022 Census)



Geographical Location

Situated on the western bank of the **Jamuna** River

Total Area: 28.49 sq Km.

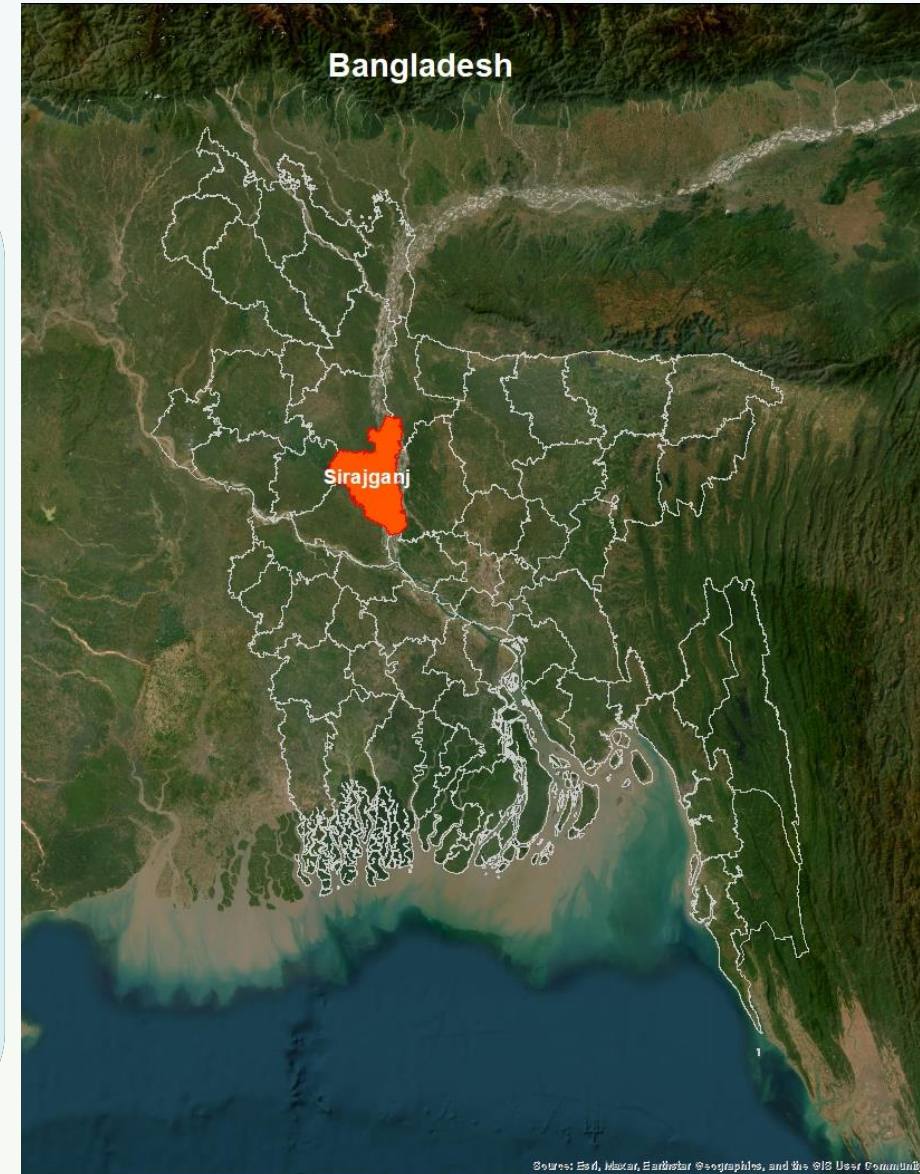


Economy

Agriculture, Handloom Industry, Jute industry, Business and Services

Key Facts

- Vulnerable to frequent **Floods** and extreme weather
- High dependency on Agricultural livelihoods, Handloom industry
- Key urban green and blue spaces, including **Katakhali Channel**, vital for flood management and biodiversity



Sources: Esri, DeLorme, Garmin, GeoEye, IGN, GeoEye, and the GIS User Community

Sirajganj City

Ambition and Targets

Sirajganj envisions being a resilient, prosperous, and inclusive city, leading in environmental stewardship and innovation to drive green and sustainable economic growth, while fostering a healthy and safe community for all.

Priority Theme

Fostering environmental responsibility by conserving natural spaces, adapting to climate risks, and embracing renewable energy and waste reduction practices.



Sirajganj City

Planning and Investment

Environmental Management and Pollution Control Plan (2023-2043):

The city's draft master plan includes measures for:

- *Water conservation and pollution control*
- *Development control to protect the natural environment*
- *Reducing air pollution and enhancing public health*
- *Providing environmental education and nature-based recreation, encouraging stewardship of natural areas, especially for children.*

Investment

Sirajganj has been selected as a UNEP Generation Restoration Pilot City with initial small-scale funding granted to support urban nature-based solutions.

Ongoing restoration work focuses on enhancing environmental quality (water) and biodiversity resilience.



Sirajganj City

Support



Financial Assistance



**Grant Opportunities
and Incentives**



Technical Expertise



Capacity Building



**Research and
Knowledge Sharing**



Partnership



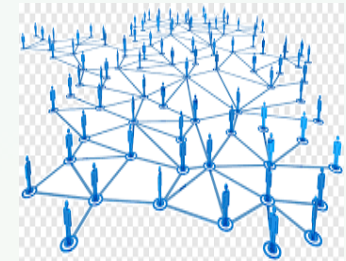
**Policy and Regulatory
Support**



**Public Awareness
Campaigns**



**Green Technologies and
Nature-based Solutions
Innovation**



**Advocacy and
Networking**

Berlin

Germany

Ms Britta Behrendt
Permanent Secretary for Climate
Protection and the Environment

Berlin

(ca. 3,8 Mio inhabitants, 12 districts; ca. 20% are covered by forest, 12% public green areas, 7% blue areas; capital of bats, nightingales, wild boars and wild bees)

Ambition and Targets

Examples:

- Every citizen can reach a green space within 500 m, 6 m² recreational space /inhabitant (*Biodiversity Strategy; Charter Urban Green*)
- Halt the loss of wild species by 2030, positive development trend and good status of species (*Biodiversity Strategy*)
- Achieve the selected 17 targets of the *Berlin Urban Nature Pact* by 2030

Planning and Investment

New Biodiversity “Strategy 2030+
“Integrating wellbeing, climate
and biodiversity”

Berlin Urban Nature Pact

Landscape and species protection
programme

City-wide compensation
concept/Ecological account

Charter for Urban Green

Berlin Energy and climate protection
programme

Upcoming Sustainability Strategy

Support

- Innovative financial mechanisms to invest in nature, involvement of private sector
- Governance approaches for cross-sectoral cooperation
- Good practices from other cities on different topics

Mendoza

Argentina

Mr Sebastián Fermani

Secretary of Environment, Mendoza

Mendoza *127.160 city's population*

Ambition and Targets

Vision:

To create resilient ecosystems that foster biodiversity, enhance community well-being, and promote sustainable urban living, ensuring a harmonious connection between people and nature

Targets:

- Biodiversity Restoration*
- Ecological Connectivity*
- Community Engagement*
- Ecosystem Services*

Planning and Investment

- Local Climate Action Plan*
- Local Management Territorial Plan*
- Resilient City Plan*
- GenRes - USD 70.004*
- GEF 7 - USD 3.900.000*
- Local Budget*
- 36% climate change mitigation*
- 16% climate change adaptation*

Support

- Financial Support*
- Technical Support*
- Innovation and Technology Transfer*

Paris

Francia

Mr Francois Moreau
Head of Ecological Agency of Paris

Paris

2,2 million inhabitants in a 12 million people urban area

Ambition and Targets

- Greening all possible public spaces: streets, schoolyards, squares, and municipal building roofs
- Planting 170,000 trees in 6 years, equal to 1/3 of the total number of trees in Paris
- Maintaining zero chemical pesticides in all 534 gardens and all public green spaces
- Increasing the share of organic food in all Paris public canteens from 50% to 75%, freeing 20,000 hectares from chemical use

Planning and Investment

Paris municipal council is about to vote on:

2.1. The 3rd Biodiversity Plan (2025-2030)

- More local focus: every district to choose 5 concrete projects
- More global impact: reducing Paris' biodiversity footprint

2.2. The new urban masterplan, called "bioclimatic"

- Achieving zero net artificialization
- Mandatory green roofs and walls for new or renovated buildings

Support

- Providing tools to measure and showcase the ecosystem services of urban nature
- Encouraging a shift in public perception of urban nature to embrace wilder, spontaneous vegetation and local native plants
- Advocating globally against the use of chemical pesticides and fertilizers in both urban and rural areas

Barranquilla

Colombia

Ms Ana María Aljure

City Manager of Barranquilla

Barranquilla



1.334.509
Población total (2024)



*Distrito industrial
y portuario*



*Ubicada estratégicamente
entre el **Río Magdalena** y
el **Mar Caribe**.*



AMBICIÓN Y OBJETIVOS

- Barranquilla se ha transformado en **un modelo de sostenibilidad urbana y ambiental** donde las personas y la naturaleza coexisten en armonía.
- Enfatizando **la recuperación de ecosistemas**.
- **14 proyectos alineados con los objetivos de Kunming-Montreal** se centran en reducir las amenazas a la biodiversidad y promover el uso sostenible de los recursos.



PLANIFICACIÓN E INVERSIÓN

- Nuestra ciudad se orientó hacia el río y construyó un impresionante paseo marítimo de **5 kilómetros**, lleno de naturaleza, que es ahora **el destino más visitado de Colombia**.
- Transformación de vacíos urbanos en **espacios públicos dignos y vibrantes**.
- Hemos creado **326 nuevos espacios verdes**, incluidos parques, plazas y bulevares.



APOYO

- Se gestionará la construcción de alrededor de **398.544 m2** de nuevos espacios y se incentivará la participación de los habitantes cuidado y mantenimiento de zonas verdes.
- Crearemos **parques inclusivos** que protejan los ecosistemas locales, integrando diseño sostenible, restauración de flora nativa y conservación ambiental
- Mejoramiento de la calidad del agua que se vierte al **Arroyo León**, mediante el tratamiento de esta, **protección del cauce y actividades de prevención**.
- Mejoramiento del entorno urbanístico de los caños de la Ahuyama y del Mercado, mediante la **construcción de un parque lineal a lo largo de un recorrido de 3,93 km**, con el cual se apuesta por la conservación ambiental y el aprovechamiento de los cuerpos de agua como sistema de amortiguamiento y de recuperación urbana.



BARRANQUILLA.GOV.CO

TODOS AL PARQUE



Recuperación vacíos urbanos en la ciudad de Barranquilla.

Zonas activas, zonas pasivas, zonas verdes y mobiliario urbano.

Criterios de accesibilidad, identidad, clima y seguridad, con estrategias de administración, mantenimiento y financiamiento.

Recuperación, activación y generación de espacio público recreo-deportivo y verde para el distrito de Barranquilla.



Más de **1.8 millones de m²** recuperados en **326** espacios

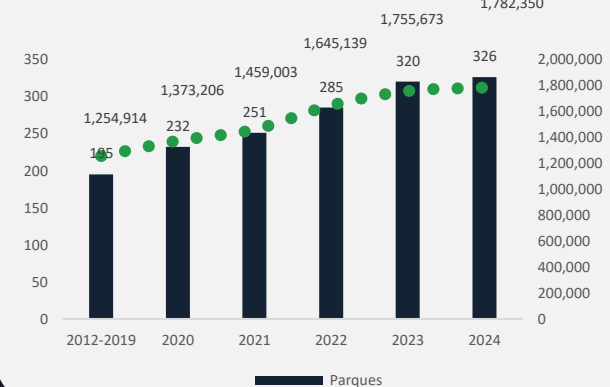


1.782.350 m² recuperados



787.107 m² de zonas verdes recuperadas

Áreas de parques recuperadas 2012-2024



Mexico City

Mexico

Mr Jorge Liber Saltijeral Giles

Director of International Cooperation, SEDEMA

Mexico City

Ambition and Targets

- Increase **green space** per capita from **19 m² to 25 m²** over the next 6 years.
- Implement the Environmental **Restoration Strategy**, aligned with the **National Restoration Plan**.
- Improve **ecological connectivity** through the Green Infrastructure **Master Plan**.
- Create an **urban tree census** and develop a **red list of species at risk**.
- **Restore priority ecosystems** through **participatory** projects in local communities.
- Strengthen the **Protected Natural Areas System** with increased infrastructure and personnel.
- Implement the **Wetlands Conservation Master Plan** for Xochimilco and Tláhuac.

Planning and Investment

Strengthen **community and forest nurseries** for ecological restoration.

Invest **380 million dollars over the next 6 years** in conservation land projects.

Identify priority restoration sites through local participation.

Update the Urban Biodiversity Indicator (IBU) by 2024 to improve management.

Restore rivers, wetlands, and lakes with a focus on conservation and sustainable use.

Create the Secretariat of Planning and Territorial Management for effective metropolitan governance.

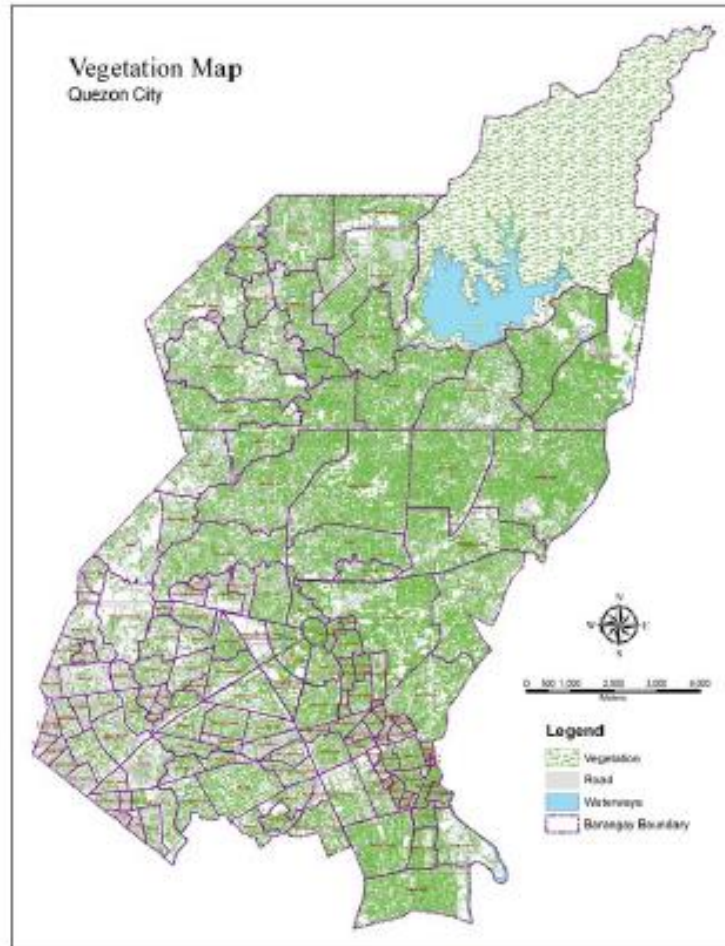
Support

- International **financial and technical support** for **nature-based solutions** and infrastructure strengthening.
- **Collaboration** on innovative projects such as **biological corridors, the urban tree census, and wetland restoration**.
- Support for **implementing ecological connectivity programs** in urban areas.

Quezon
Philippines

Mr Baltazar Avelino
Department Head of Parks Development,
Quezon City

Overview: Quezon City



Land Area: 15,106 hectares
Location: National Capital Region
Green Spaces: 16.03sqm/capita



Where we are now:



QUEZON CITY ENHANCED LOCAL CLIMATE CHANGE ACTION PLAN 2021-2050



- Green Open Reclaimed Access (GORA) Lanes
- One Million Trees by 2030 Initiative
- "Luntiang Kyusi" Program

Strategy 5: Promotion of Nature-Based Solutions to Reduce Heat and Drought Pressures

The scalding effects of urban heat islands (UHI) and drought are intensifying in urban areas such as Quezon City, endangering vulnerable groups such as the elderly, informal settlement families, and outdoor workers. Strategy 5 puts nature in the City's arsenal of response to climate change and its



OBJECTIVE

To reduce the effect of urban heat and drought on Quezon City based on nature-based solutions



OUTCOME



C40
CITIES

WHO WE ARE • WHAT WE DO • OUR CITIES • LATEST • SUBSCRIBE •

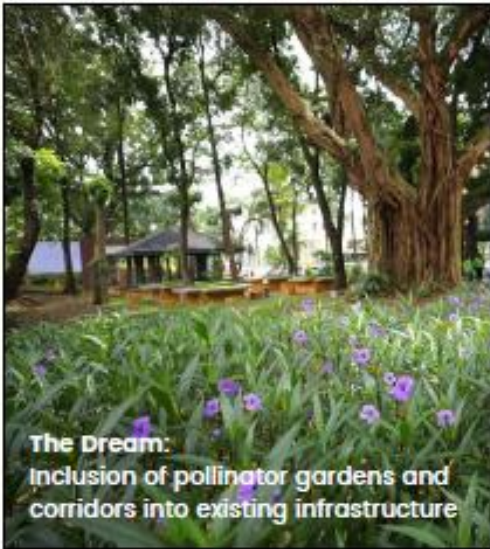
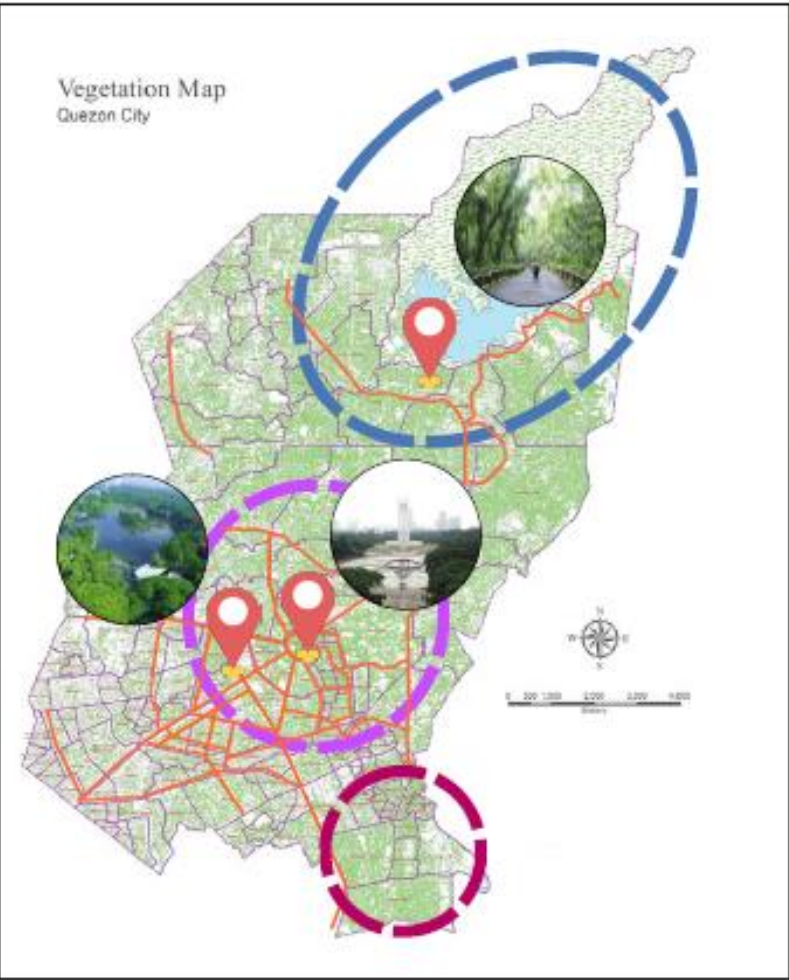
Urban Nature Accelerator

Signatory cities:

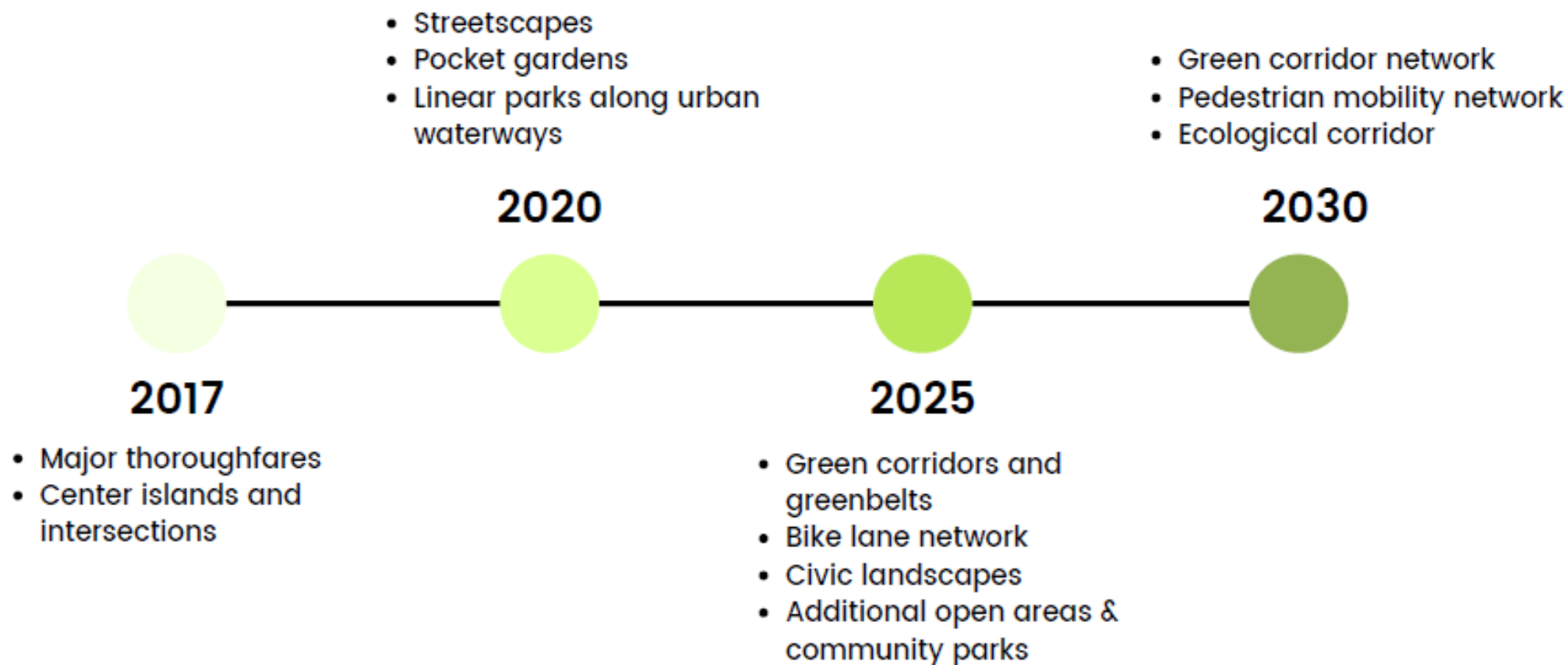
Athens, Austin, Athens, Barcelona, Berlin, Bogotá, Buenos Aires, Chennai, Copenhagen, Curitiba, Doha, Dhaka, Detroit, Dublin, Edinburgh, Frankfurt, Geneva, Glasgow, Hamburg, Harbin, Helsinki, Hong Kong, London, Los Angeles, Madrid, Manila, Montreal, Mumbai, New Orleans, Paris, Quito, Rio de Janeiro, Rome, Rotterdam, Santiago de Chile, São Paulo, Seattle, Stockholm, Sydney, Taipei, Tokyo, Toronto



Where we want to be:



How we will get there:



Support from organizations

Ming Zhang, Global Director, World Bank

Doreen L. Robinson, Chief, Biodiversity & Land Branch, Ecosystems Division, UNEP

Maria Camila Uribe, Coordinator, IDB Cities Network and Principal Technical Lead, Inter-American Development Bank's (IDB)

Aloke Barnwal, Thematic Lead – Urban and Infrastructure, GEF Secretariat

Kobie Brand, Regional Director Africa, Global Coordinator for Biodiversity, Deputy Secretary General, ICLEI

Moderated by

Alfredo Redondo, Nature Team Lead, High Level Climate Champions

Next Steps



Raise ambition to implement Target 12.

Support investment portfolio development for green and blue infrastructure

Provide targeted training to strengthen planning for nature

Champion nature for integrated solutions to climate change and biodiversity loss.

Mayors Forum on Urban Nature and Biodiversity

Urban Nature Program

Thanks!

