



SUSTAINABLE CITIES INTEGRATED PROGRAM

Global Environment Facility

**ALOKE BARNWAL
THEMATIC LEAD, URBAN AND INFRASTRUCTURE**

About Global Environment Facility (GEF)

A GLOBAL PARTNERSHIP

186 Member Countries

Largest environmental multi-donor trust fund in the world

Financial mechanism of five international environmental conventions



18 IMPLEMENTING AGENCIES



GEF Programming

FOCAL AREAS

Biodiversity

Climate change

Land degradation

International waters

Chemicals and waste

INTEGRATED PROGRAMS (GEF-9)

Food Systems

Dryland and Drought Management

Sustainable Cities

Critical Forest Biomes

Circular Solutions to Plastic Pollution

Blue and Green Islands

Global Wildlife for Development

Pollution free Supply Chains

GLOBAL PROGRAMS

- ✓ Mobilizing the Financial Sector for Environmental Goals through Blended Finance
- ✓ Community Action for Global Transformation - Small Grants Program and Beyond

CROSS-CUTTING

Why cities matter for global environment

Cities drive over 70% of global GHG emissions

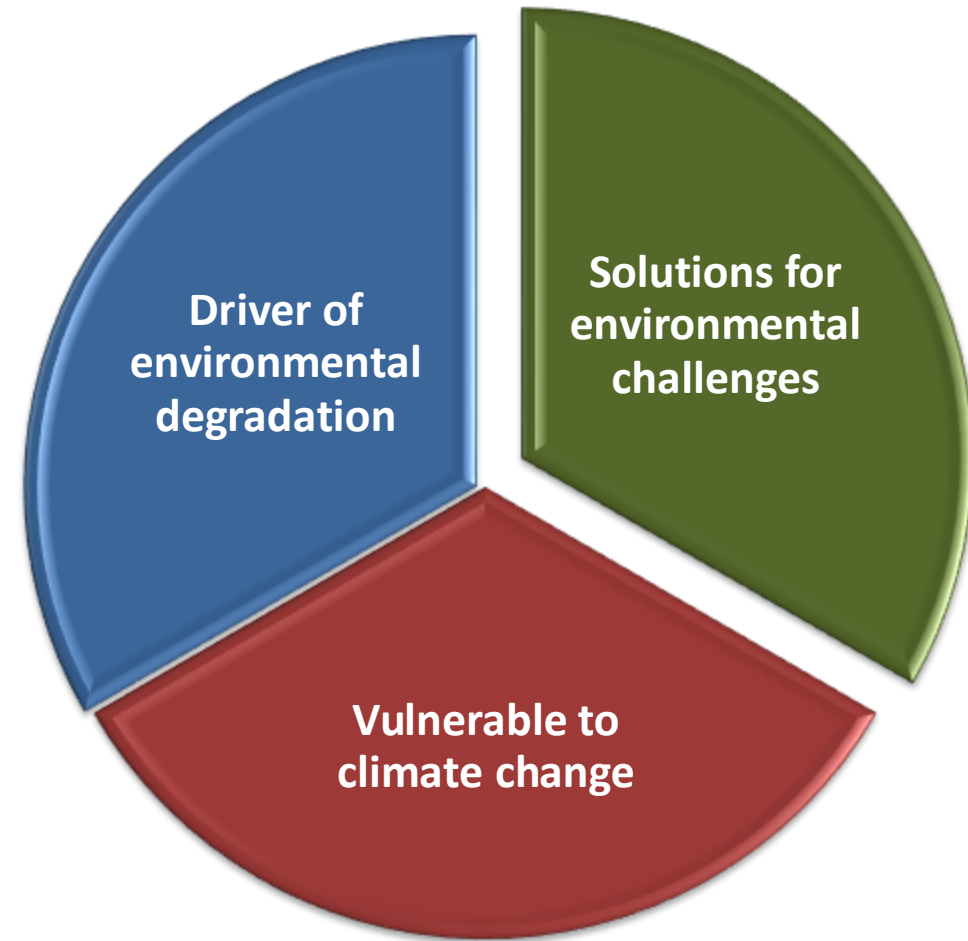
Major source of biodiversity loss and ecosystem degradation

Key contributors to hazardous chemicals and waste pollution

Increasing climate risks: heatwaves, drought, coastal impacts

Urban systems directly affect water, food, air, and energy access

Rapid urbanization → 68% global population in cities by 2050



Rationale for Integration Approach

Why current approaches to sustainability fall short?

Siloed planning and investments-

Trade-offs; in efficiencies; missed synergies

Connection beyond city boundaries-

Catchments; Supply Chains;

Interlinked environmental issues-

Climate change; nature loss; Pollution



What does integrated approach enable?:

Integration across systems

Sectors; Spatial Scales; Governance Levels

Alignment of Priorities

Environment; Economy, Social inclusion

Improved risk management

Reduced trade-offs; Diverse engagement

Resilience, Efficient and Investable Urban Systems with lasting outcomes for the environment and people

Objectives

Advance integrated and systems-based approaches for sustainable urban transformation and deliver global environmental benefits.

Raise cities' ambition aligned with global 2030 goals on climate change, biodiversity loss, and pollution

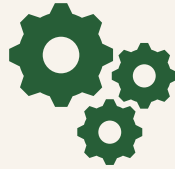
Catalyze increased flow of investments to cities for implementation of sustainable solutions

Adoption of integrated approaches for planning, sustainable infrastructure, nature and circularity solutions

Facilitate partnerships city-city learning and knowledge exchange on best practices and opportunities

Integrated approach to deliver multiple benefits - Climate Change Mitigation, Climate Adaptation, Biodiversity, Sustainable Land Management and Reduction of Harmful Chemicals

Entry Points



Land-use planning & management

- Integrated territorial level planning
- Urban-rural linkages, mobility, informal settlements



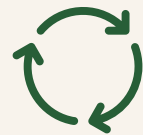
Nature & biodiversity

- Nature-based solutions
- Ecosystem restoration and connectivity



Low carbon and resilient infrastructure

- Low-carbon/resilient transport, energy, waste, housing, water systems



Circular economy

- Zero-waste approaches
- Materials, plastics, food systems, industries

Policy and Regulations



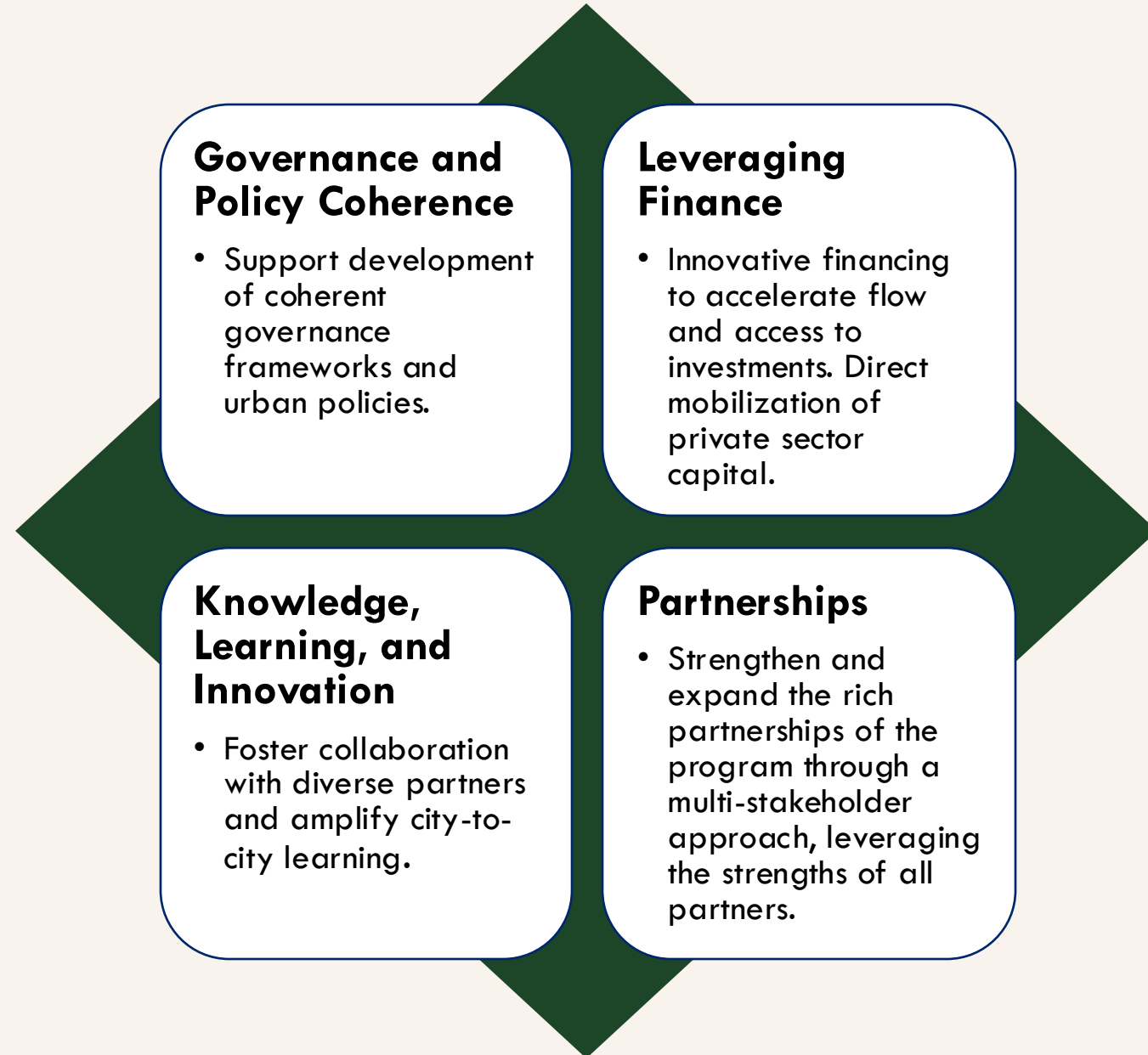
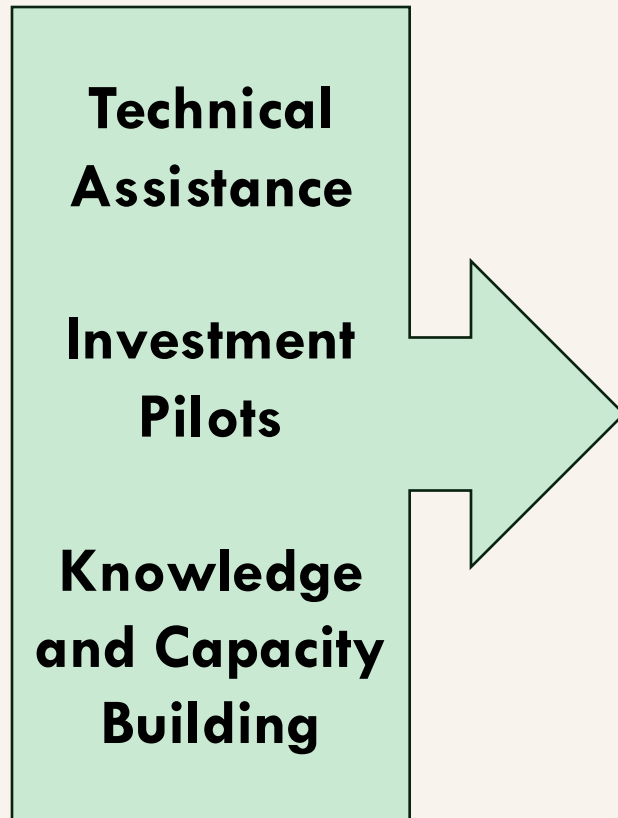
Private Sector



Gender equality



TRANSFORMATION LEVRS



SUSTAINABLE CITIES
Integrated Program

IMPLEMENTATION MODEL

Programmatic Approach

Cities, Networks, IFIs
Alliances & Programs

Dissemination
Partnerships

Leverage resources
Raise ambition

GLOBAL PLATFORM

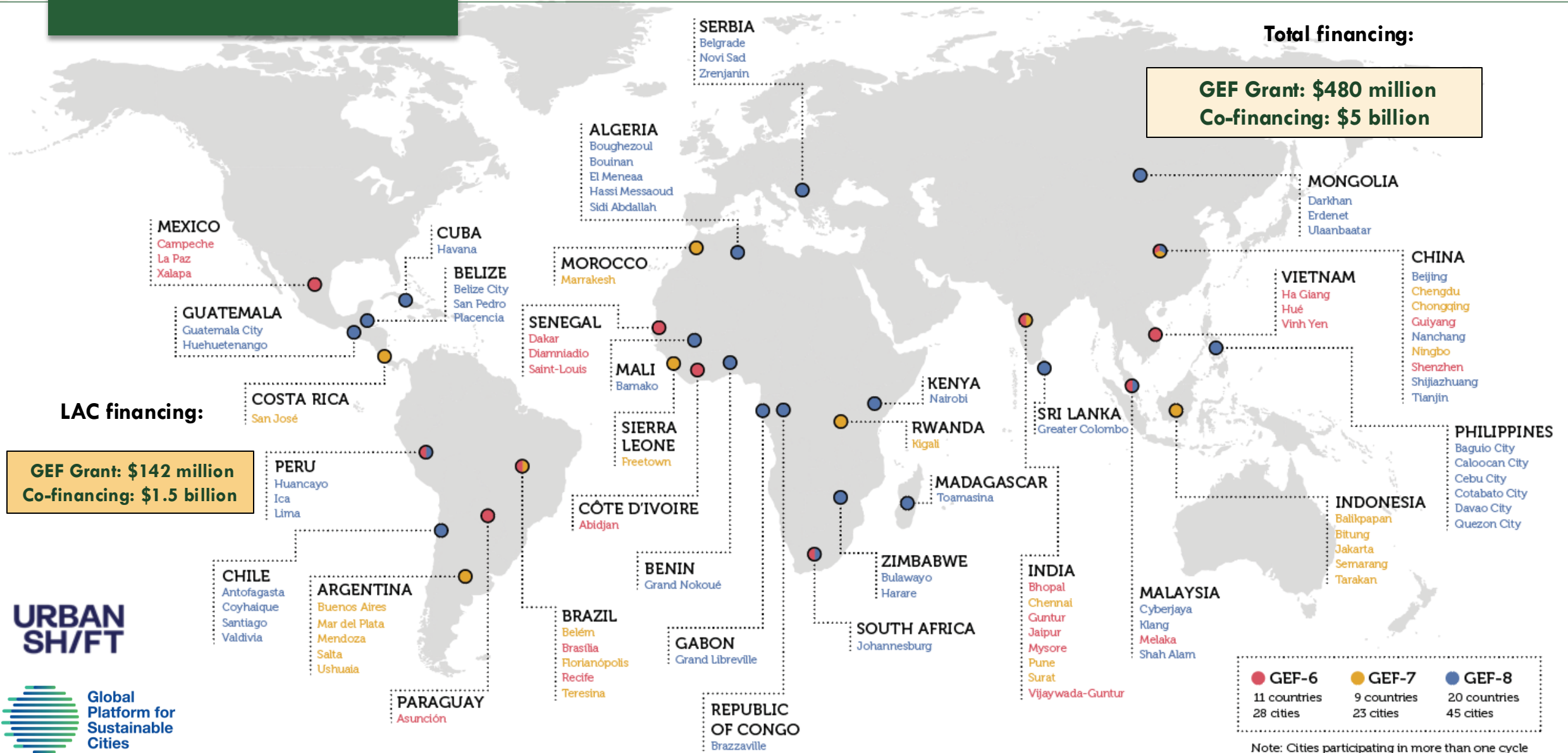
*Managed by the Lead Agency
with partners*

Knowledge
Lessons learnt
Innovation
Leadership

Coordination
Technical support
Capacity building

COUNTRY CHILD PROJECTS

*Implemented by selected GEF Agency
in participating cities*



SUSTAINABLE CITIES

Integrated Program

EXAMPLES

Land use and spatial planning

- Integrated land use planning in Dakar, Abidjan, Kigali and Freetown to integrate nature and increase climate resilience.
- Spatial plans and assessments for coastal areas & watersheds – Mexico, Peru, India

Nature-based solutions

- Green spaces, wetland restorations, urban forests, lake restoration, green spaces, biodiversity corridors-
- Kigali, Chennai, Freetown, Marrakesh, Chengdu, San Jose, Ushuaia, Belem.

Circularity, - food, plastics and municipal waste management

- Waste to energy – Mexico, India
- Waste to compost – Viet Nam
- Integrated waste management – San Jose, Costa Rica
- Integrated landfill management – Rwanda, Sierra Leone
- Urban food and waste management- South Africa, Zimbabwe, Chile

Clean energy and energy efficiency

- Solar PVs and energy efficient buildings – Mexico, Brazil
- Smart grids and renewable energy integration – Malaysia
- Energy Efficient Buildings- Serbia, Sri Lanka

Zero carbon/ Low carbon transport

- TOD – China, Costa Rica, India, Argentina
- Public Transport and BRT – Cote d'Ivoire Argentina
- Bike lanes – Paraguay, Costa Rica, Argentina
- E-mobility – India, Sri Lanka, Viet Nam

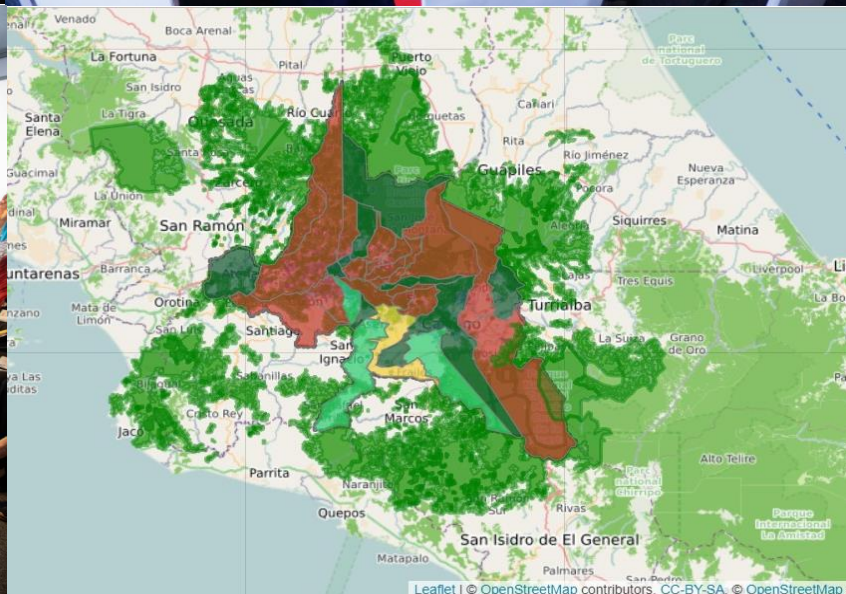
Low-emission zones and eco-districts

- Low emission zones in cities in Brazil and India
- Eco-districts with local urban farming and resource efficiency – South Africa

Digital technology and data management

- Geospatial data-based planning
- Data collection, dissemination systems
- Decision tools

Leadership Forums, LABS and City Academies



Knowledge Resources



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- CITY DASHBOARD
- KNOWLEDGE RESOURCES
- EVENTS
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EVENTS

FIRST MEETING OF MAYORS FORUM ON URBAN NATURE AND BIODIVERSITY

NEWS & BLOGS

FIRST MEETING OF MAYORS FORUM ON URBAN NATURE AND BIODIVERSITY [SUMMARY]

NEWS & BLOGS

HOW PARIS IS LEVERAGING NATURE FOR CLIMATE RESILIENCE

NEWS & BLOGS

URBAN NATURE PROGRAM

EVENTS

URBAN NATURE PROGRAM EXPERT MEETING: URBAN NATURE, GREEN URBAN INFRASTRUCTURE, AND CLIMATE ADAPTATION

Knowledge Resources

<p>Cities and Culture</p> <p>Leveraging culture and creativity for sustainable development</p>	<p>Climate Change</p> <p>Supporting transition to low-carbon and climate smart urbanization</p>	<p>Gender and Cities</p> <p>Seeking the full and equal participation of women and men, girls and boys</p>	<p>Geospatial Data and Indicators</p> <p>Understanding cities and land through spatial data and analytics</p>
<p>Greening Cities</p> <p>Integrating urban biodiversity, natural capital accounting and nature-based solutions</p>	<p>Integrated Urban Planning</p> <p>Planning sustainable cities through a multisectoral approach</p>	<p>Municipal Finance and PPP</p> <p>Enabling and securing adequate financing mechanisms</p>	<p>Solid Waste Management</p> <p>Promoting waste prevention, reuse, recycling, and material and energy recovery</p>

ONLINE CITY ACADEMY

URBAN SH/FT

The UrbanShift City Academy offers city officials and urban practitioners open access to eight self-paced online courses, focused on urban planning themes that are critical to shaping low-carbon, climate-resilient and inclusive cities. The courses have been developed by experts at the UN Environment Programme, World Resources Institute, C40 Cities, ICLEI – Local Governments for Sustainability, and other global partners.

EXPLORE THE COURSES

Navigate to the course pages to learn more about the curriculum and enroll.



ACCESSING URBAN CLIMATE FINANCE

The goal of this course is to increase the capacity of city-level actors to mobilize and access finance for sustainable and climate-resilient urban infrastructure projects. It offers guidance to subnational governments to better understand the planning, design, and financing processes for these critical projects, shaping net-zero cities that are able to meet the needs of all their residents.

ACCOMMODATING URBAN GROWTH

Municipalities, especially in the rapidly growing cities in Global South, must now prepare their cities to accommodate their anticipated growth through both densification and climate-resilient urban expansion. This course provides the conceptual framework, the methodologies, the statistical evidence, the case studies, and the readings required to gain both the knowledge and the confidence to plan and implement these strategies.



CIRCULAR ECONOMY STRATEGIES FOR SUSTAINABLE DEVELOPMENT



SUSTAINABLE CITIES

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