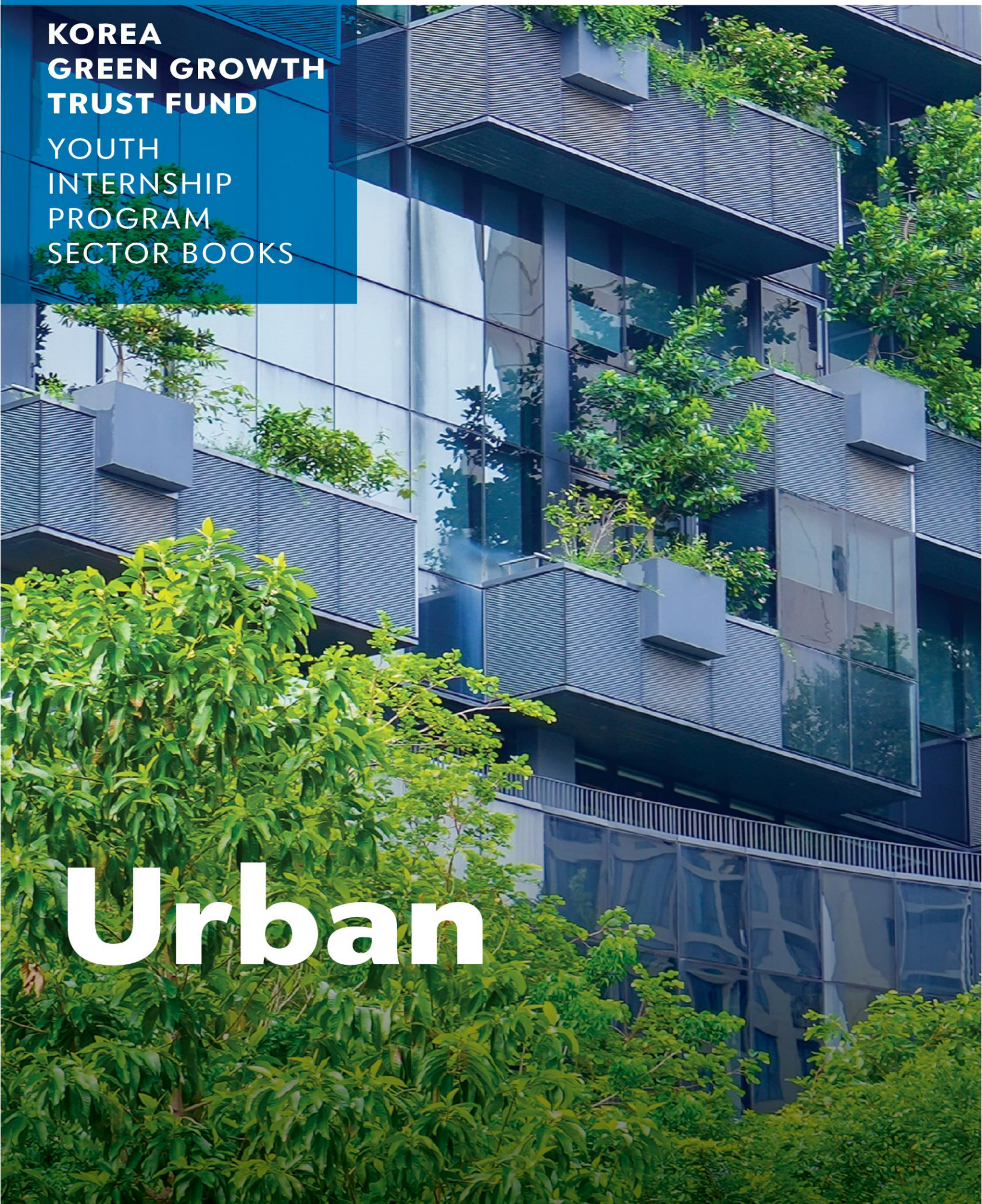
WORLD BANK GROUP

KOREA GREEN GROWTH TRUST FUND

KOREA GREEN GROWTH TRUST FUND

YOUTH INTERNSHIP PROGRAM SECTOR BOOKS



Urban

The original draft of this sectoral portfolio book was authored by the second internship cohort (**Ji Hyun Um, Seyon Koo, Iseo Choi, Geunhee Kim)** and later revised and updated by the third (**Chaeyeon Ahn, Jisu Kim, Yujin An**) cohort.

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Korea Green Growth Trust Fund (KGGTF)

Urban Sectoral Book

Introduction

The urban development sector lies at the heart of sustainable growth, offering pathways to economic opportunity, social inclusion, and resilience. Today, more than 4 billion people, which is over half the global population, live in cities. This figure is projected to nearly double by 2050, when seven in ten people will reside in urban areas. Cities already generate 80% of global GDP and 88% of private-sector jobs. They are central to national prosperity and to the creation of jobs and economic transformation.

As cities grow, the systems that connect people to employment are becoming even more essential. Urban transport plays a vital role in this agenda. Efficient, safe, and inclusive mobility systems reduce travel time, expand access to services, and open pathways to education and work. They also support job creation across the transport value chain including construction, operations, maintenance, logistics, and last mile services. Strong transport systems therefore help deepen labor markets, enable firms to expand, and strengthen local economies.

The World Bank Group, as the world's largest multilateral financier of urban development, supports countries in building livable, sustainable, and resilient cities that can generate more and better jobs. As of 2025, its active portfolio includes 192 projects totaling $34.8 billion, investing an average of $5 billion annually in urban development, resilience, and land. These efforts directly contribute to achieving Sustainable Development Goal 11 which calls for cities that are inclusive, safe, resilient, and sustainable.

Challenges and Priorities

The potential of cities is immense, yet the challenges are growing. Climate change amplifies risks: heatwaves, floods, and sea level rise put **1.8 billion people—one in four globally—at risk**, particularly in rapidly urbanizing river plains and coastlines. Cities consume two-thirds of global energy and generate more than 70% of greenhouse gas emissions, underscoring their pivotal role in both driving and addressing global sustainability challenges.

Priorities for action include scaling resilient, low-carbon infrastructure, integrating nature-based solutions, and upgrading informal settlements to improve living conditions for the one billion people residing in inadequate housing. Strengthening urban

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governance, expanding basic services, and supporting vibrant local economies will be critical to advance inclusive growth.

Achieving this vision requires coordinated policy, targeted investments, along with collaboration across sectors. By improving connectivity, expanding access to opportunities, and strengthening the systems that enable people and businesses to thrive, cities can remain powerful engines of jobs, economic opportunity, and resilience for decades to come.

KGGTF's Role

The Korea Green Growth Trust Fund (KGGTF) plays a catalytic role in advancing sustainable and climate-smart urban development. To date, it has supported 47 targeted grants, that build institutional capacity, pilot innovative solutions, and scale integrated urban strategies. By promoting climate-smart planning, green infrastructure, and nature-positive approaches, KGGTF supports cities adapt to demographic shifts and rising urban risks. Looking ahead, the Trust Fund will continue to equip client countries with the tools, partnerships, and knowledge needed to build inclusive, resilient, and opportunity-rich urban futures.

Why Korea?

Korea's remarkable transformation from an aid recipient to a global innovation leader stands as a powerful testament to what's possible with bold vision and smart policy. In just a few decades, Korea lifted itself from poverty to prosperity—harnessing science, technology, and human capital to drive inclusive growth and sustainability. This journey, rooted in strategic policymaking and relentless innovation, offers a compelling blueprint for countries seeking to leapfrog development challenges and build resilient, future-ready economies. Through the Korea Green Growth Trust Fund (KGGTF), Korea now shares its hard-earned lessons with the world—helping identify relevant policies and technologies and connecting them with World Bank teams and partner countries seeking innovative, climate-smart solutions.

KGGTF Urban Strategic Priorities

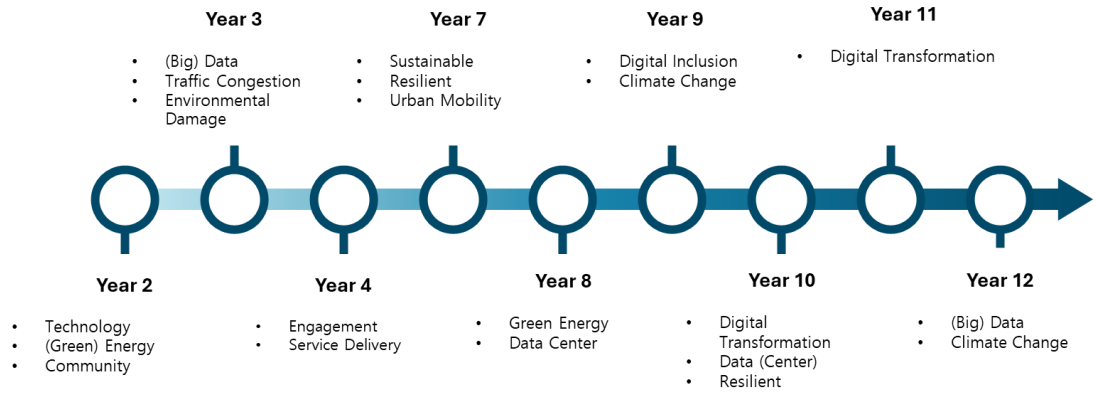
KGGTF's early urban sector grants (2013–2017) focused on strengthening the foundations of city systems, supporting spatial planning, housing policy, municipal finance diagnostics, and infrastructure development to expand basic service delivery such as solid waste management and institutional capacity. These interventions provided essential building blocks for urban governance and growth in low- and middle-income countries.

Since 2018, the portfolio has evolved to address the increasing complexity of urban challenges, including climate risks, spatial inequality, and rapid digital transformation. Recent grants emphasize integrated urban planning, climate-resilient infrastructure, and smart city solutions that leverage digital technology, urban analytics, and inclusive design. This shift underscores the urgency of tackling aging infrastructure, demographic

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pressures, and the impacts of climate change while positioning cities as engines of sustainable growth and opportunity.

The evolution of the urban portfolio reflects global priorities in sustainable urbanization, including the Sustainable Development Goals (SDGs) and the World Bank's Green, Resilient, and Inclusive Development (GRID) framework. As both a strategic funder and a knowledge partner, KGGTF supports client countries to adopt forward-looking urban approaches that integrate innovation, equity, and resilience, ensuring cities remain drivers of sustainable growth and opportunity.



Current Priorities

KGGTF's current urban sector strategy centers on enabling cities to become **climate-smart, digitally enabled, and inclusive**.

• **Smart City Development and Digital Governance**: Supports the adoption of digital platforms, real-time data systems, and AI-enabled tools to enhance service delivery, urban diagnostics, and citizen engagement.

• **Integrated Urban Planning and Sustainable Land Use**: Promotes cross-sectoral spatial planning that aligns transport, housing, and environmental management to prevent fragmented development and increase land-use efficiency.

• **Green and Climate-Resilient Infrastructure**: Supporting nature-based solutions and low-carbon urban systems that mitigate climate risks and reduce greenhouse gas emissions, including water, energy, and waste sectors.

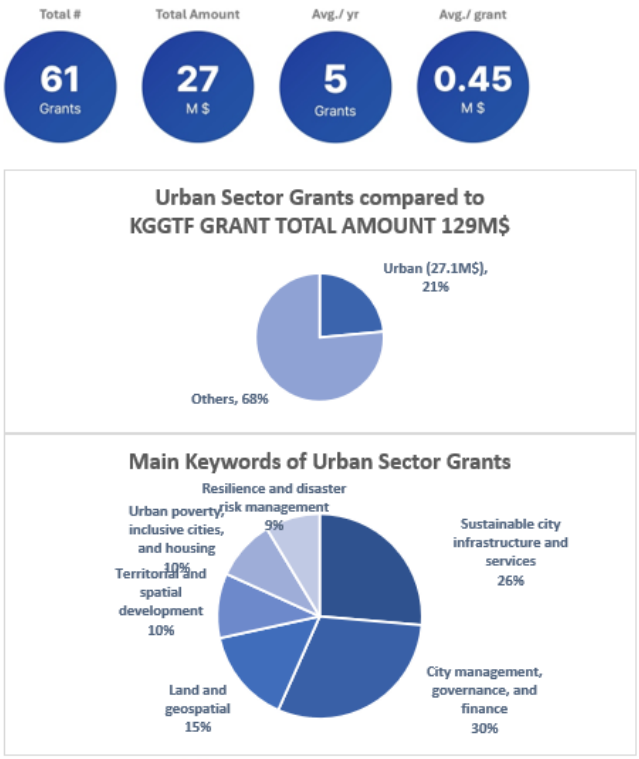
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• **Urban Regeneration and Inclusive Neighborhood Upgrading**: Supports inclusive redevelopment of informal settlements and aging urban districts, improving housing quality, public space, and access to basic services for marginalized populations.

• **Data-Driven Decision-Making**: Strengthens municipal capacity to use digital tools and geospatial analytics in evidence-based policy and investment planning.

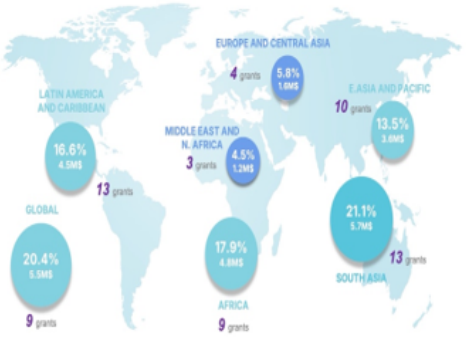
Together, these themes reflect an integrated, future-ready approach that positions cities as engines of sustainable growth.

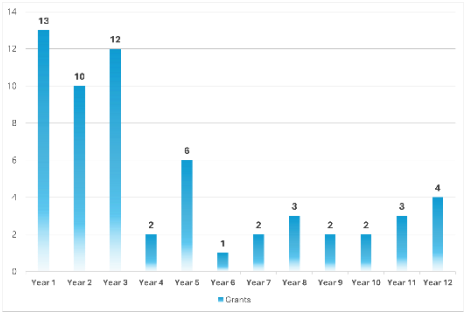
KGGTF Urban Portfolio Snapshot



List of Client Countries/ Region

Argentina
Armenia
Azerbaijan
Bangladesh
Belarus
Bhutan
Bosnia Herzegovina
Brazil
Cambodia
East Africa
Egypt
Ethiopia
Georgia
Ghana
India
Indonesia
Kazakhstan
Kyrgyz Republic
Lao PDR
Lebanon
Malawi
Moldova
Mongolia
Morocco
Peru
Philippines
Poland
Sri Lanka
Sub-Saharan Africa
Tanzania
Tunisia
Türkiye
Uganda
Ukraine
Uzbekistan
Vietnam
Western Balkans





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How KGGTF Supports Bank Teams

KGGTF Urban grants have made significant contributions across policy, institutional, and operational levels. The portfolio has strengthened institutional capacities, advancing strategic frameworks, and piloted innovative practices that support inclusive and sustainable cities. Through tailored technical assistance, cross-sectoral integration, and knowledge-driven solutions, these grants have helped partner countries address complex urban challenges and lay the groundwork for long-term urban transformation.

1. **Institutional Capacity Building**
   Urban grants have strengthened the capacity of local and national governments to adopt green urban policies, create data ecosystems, and align urban development with climate goals. For example, in Nepal (K108), the grant supported 16 municipalities to develop metropolitan strategies and smart urban land use plans during the country's transition to federalism. Similarly, in Senegal (K161), KGGTF collaborated with Korean Korea Land and Geospatial Informatix Corporation (LX) and Korea Research Institute for Human Settlements (KRIHS) to improve geospatial data systems and cadastral infrastructure, enhancing urban land management.

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Case Study: Inner City Affordable Housing Program – Strengthening Urban Management in Mexican Cities

Mexico, now 79% urbanized, added over 80 million urban residents since the 1960s, producing sprawling cities with growing inequality, limited access to services, and long commutes from peripheral housing developments. This rapid horizontal expansion undermined the economic benefits of urban agglomeration while worsening pollution, congestion, and inefficient land use. To reverse these trends, the Government of Mexico launched reforms to promote compact, inclusive, and sustainable cities, emphasizing affordable housing and transit-oriented development.

With KGGTF support, the World Bank partnered with national and municipal authorities to embed green growth principles into urban housing and redevelopment strategies. The program prioritized inner-city renovation projects that increase density, integrate mixed uses, and enhance mobility, while improving access to affordable housing for vulnerable populations.

Key Activities and Results

- Framework for Urban Renovation: Developed institutional models, incentive mechanisms, and financing structures to guide compact city development and support municipal-level project design.
- Capacity Building for Project Structuring: Strengthened technical and financial capacity of Mexican municipalities to design and present urban renovation projects for funding at the national level.
- Policy Integration for Housing Subsidies: Promoted coupling housing subsidies (ownership and rental) with local urban planning to align densification, zoning, and transit-oriented development.
- Best Practice Exchange with Korea: Introduced Korean PPP models, demonstrating how incentives with strict community-benefit requirements can mobilize private sector financing for mid-size urban renewal projects.
- Transformative Pilot Projects: Enabled municipalities to redevelop abandoned sites (e.g., hospitals, military bases, factories) into mixed-use, energy-efficient, transit-accessible facilities, directly contributing to urban densification.

The program catalyzed a new understanding of how public-private partnerships and land-value capture mechanisms can finance affordable housing and compact urban growth. By embedding these lessons into Mexico's housing and urban policies, the initiative strengthened national and local responses to COVID-19-related housing challenges, while advancing long-term sustainability and resilience goals.

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Quotes

"Due to its well-developed housing ecosystem and solid track record of delivering new housing solutions to citizens at scale, Mexico is an international reference in the field of housing policy… The KGGTF support made it possible to explore alternative schemes to increase density, mitigate urban sprawl, and forge more sustainable city development." — **Horacio Terraza, Lead Urban Specialist, World Bank**

"With KGGTF-sponsored technical assistance and engagement with Korean counterparts, Mexico gained access to global best practices and critical knowledge that allowed the country to adapt programs to the needs of vulnerable populations and better respond to the emergency caused by COVID-19." — **Edna Elena Vega Rangel, Director General, National Housing Commission Mexico**

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Case Study: Accelerating Indonesia Climate-Resilient, Sustainable and Inclusive Housing

Enabling Systemic Transformation through Knowledge, Policy Reform, and Climate Finance

Indonesia has experienced rapid urbanization accompanied by persistent housing deficits and increasing exposure of low-income populations to climate-related risks. The expansion of informal settlements, energy-inefficient housing stock, and unplanned urban growth has intensified pressures on infrastructure systems while exacerbating social vulnerability and environmental degradation.

In response, the Government of Indonesia initiated a policy reform agenda under the National Affordable Housing Program (NAHP), aiming to transition from a predominantly supply-driven housing approach toward an integrated framework emphasizing climate resilience, environmental sustainability, and social inclusion. The objective of this reform was not only to increase housing delivery, but to transform the structural foundations of the housing and construction sector.
With support from the Korea Green Growth Trust Fund (KGGTF), the World Bank provided knowledge generation and technical assistance to the Indonesian government through the program "Accelerating Indonesia Climate-Resilient, Sustainable and Inclusive Housing." The initiative was designed as a policy- and system-oriented pilot to support the development of the Indonesia Green and Affordable Housing Program (IGAHP) as a core national reform platform.

Key Activities and Results

The program adopted a systemic approach centered on institutional reform, regulatory development, and financial innovation.

- Development of the Indonesia Green and Affordable Housing Platform (IGAHP): The initiative supported the design of the IGAHP platform, enabling the integration of low-carbon and energy-efficient practices into government affordable housing programs, including new construction, housing retrofitting, and urban densification. Key outputs included technical papers outlining regulatory and institutional reforms, stakeholder workshops to build policy consensus, and international study tours to facilitate knowledge exchange on climate-resilient housing and building best practices.

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- Blended Funding and Financing Platform Development: Recognizing the fiscal limitations of public housing budgets, the program piloted blended financing mechanisms to mobilize additional resources from climate-based grants, multilateral agencies, sustainable bond markets, and private sector investors. Technical deliverables included financial action plans, funding instruments, and pro-forma cash flow models to support long-term financial sustainability of green housing investments.

- Carbon Credit Framework for Affordable Housing: A core innovation of the program was the development of a framework to link green and resilient housing with carbon credit mechanisms. This included baseline greenhouse gas (GHG) emissions assessments for the housing and public building sector and the formulation of monitoring and reporting systems to enable carbon finance participation.

The program contributed to structural policy reform by informing the preparation of NAHP 2.0, the follow-on national affordable housing investment program. It supported the integration of green and energy-efficient housing targets into Indonesia's national medium-term development strategy (RPJMN 2024–2029) and strengthened coordination between central and sub-national institutions responsible for housing delivery.
Beyond immediate policy outputs, the initiative demonstrated how affordable housing can serve as a strategic platform for climate mitigation and adaptation, while enabling the alignment of housing policy with broader green growth and economic transformation objectives.

Unlike conventional urban innovation pilots focused on spatial technologies or physical demonstration projects, the Indonesia case represents a form of institutional and systemic innovation. Rather than testing new construction technologies, the program redefined how housing policy is formulated, financed, and governed through integrated policy frameworks, climate finance instruments, and evidence-based decision-making systems.

As such, the initiative stands as a structural transformation model, illustrating how knowledge generation, regulatory reform, and financial innovation can jointly reshape national urban housing systems in pursuit of long-term sustainability, climate resilience, and social inclusion.

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2. **Institutional Capacity Building**

   Urban grants have strengthened the capacity of local and national governments to adopt green urban policies, create data ecosystems, and align urban development with climate goals. For example, in Nepal (K108), the grant supported 16 municipalities to develop metropolitan strategies and smart urban land use plans during the country's transition to federalism. Similarly, in Senegal (K161), KGGTF collaborated with Korean Korea Land and Geospatial Informatix Corporation (LX) and Korea Research Institute for Human Settlements (KRIHS) to improve geospatial data systems and cadastral infrastructure, enhancing urban land management.

Case Study: Developing a Digital Ecosystem Assessment Tool for Smart and Inclusive Cities

Urban areas hosted more than half of the world's population by 2023, and the ratio of urban residents predicted to increase even more (UN Habitat). In the digital era today, the integration of digital services and infrastructure and urban challenges, namely Smart Cities, are emerging as a promising paradigm for sustainable urban development. This is further highlighted under the World Bank Group's (WBG) Urban, Resilience and Land (URL) team priorities and the WBG's agenda of Green Resilience, and Inclusive Development (GRID). In order to make the best use of data, technologies, and available resources, the WBG, with the support of the Korean government, particularly the Ministry of Land, Infrastructure, and Transport (MOLIT) and the Korea-World Bank Partnership Facility, has established the Global Smart City Partnership (GSCP) program in 2018. This program aims to improve city planning, management, and service delivery, engage citizens, and enhance government accountability through technology-driven and data-based innovations.

Korea Green Growth Trust Fund (KGGTF) has partnered with Korea Research Institute for Human Settlements (KRIHS), Korea Agency for Infrastructure Technology Advancement (KAIA), National Information Society Agency (NIA), and Korea Smart City Association to develop a Smart City Digital Diagnostics (SCDD) toolkit that assesses the current digital infrastructure, gaps, and potential opportunities for smart city investment, under the GSCP program. The project aims to support the decision making of the WBG and its clients to understand the readiness of digital foundations at the city level that will improve the effectiveness of investments

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Key Activities and Results

- Developing a Digital Ecosystem Assessment Tool for Smart Cities: Developed a Smart Cities Digital Diagnostic Tool (SCDD) by collecting national data under six dimensions, data infrastructure, data management, data accessibility, data utilization, data skills and culture, and data ethics and privacy. Each dimension is detailed into sub-dimensions, which are then scored between 1-5 by Generative Artificial Intelligence (Gen AI), and finalized into assessment takeaways, through a combination of Gen AI and human input. The development will involve interactions and knowledge sharing with key programs, WBG teams, and the K-partners.
- Piloting the digital ecosystem assessment tool in selected projects: Implementing the SCDD, the program be used in other WBG projects, including Punjab Municipal Services Improvement Project (P170811) and Strengthening Local Government Finance and Development to Build Urban Resilience in the Philippines (P502877), and conduct workshops in the target country for tool dissemination.

3. **Leveraging Lending Operations**

   Urban grants have played a catalytic role in preparing and enhancing World Bank lending operations. The K131 grant in fragile contexts like Kosovo and Myanmar, for instance, directly supported geospatial diagnostics and land governance reforms, resulting in $16.5 million of lending, achieving a 20:1 leverage ratio. In Nepal, K108 enabled the design of an infrastructure strategy that influenced a $15 million World Bank loan.

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Case Study: Innovations in Land Valuation, Taxation, and Land Use Planning in Uzbekistan (AR 2024)

Uzbekistan's land governance has long been shaped by state ownership, lease-based land systems, and bureaucratic hurdles, which limited private investment and undermined tenure security. Rapid urbanization and infrastructure expansion further raised challenges around informal settlements, displacement, and compensation. In response, the government has launched sweeping reforms to modernize land governance, valuation, and urban planning systems, balancing economic growth with equitable land access and sustainability.

The KGGTF grant provided training, policy dialogue, and institutional support to strengthen land administration and urban planning. Five in-country workshops and a knowledge exchange program in Korea trained 60 government leaders on best practices in land governance, NSDI implementation, land valuation, and taxation models. Drawing on Korea's advanced geospatial and urban planning tools, Uzbek officials developed a framework for land governance reform, accompanied by four policy notes on tenure security, land use planning, land valuation, and geospatial data management.

Key Activities and Results

Policy Reform Support: Informed three major legal reforms—(1) Law on Regularization of Informal Land Use (Law No. LRU-937, 2024, enacted 2025), providing a framework to formalize informal holdings; (2) Adoption of Developer Exaction for Land Value Capture, enabling municipalities to capture a portion of land value increases from public investments; and (3) Draft Bill on Land Readjustment and Urban Renovation, establishing legal grounds for reallocation and sustainable urban redevelopment.

- Capacity Building: Trained officials in land valuation, taxation models, and NSDI integration, improving transparency and efficiency in land administration.
- Knowledge Exchange: Facilitated dialogue with Korean institutions and introduced international best practices into Uzbekistan's reform agenda.
- Partnerships: Supported collaboration with Switzerland's SECO and the European Union, broadening co-financing and technical assistance.

The grant catalyzed the $100 million Medium-Size Cities Integrated Urban Development Project, complemented by $20 million in co-financing, achieving a leverage effect of 200:1 per grant dollar. This project enhances urban services, public

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spaces, and local government capacity across participating cities, embedding land governance reforms into infrastructure planning.

The reforms represent a transformative shift in Uzbekistan's land management, unlocking private investment, strengthening urban planning, and promoting inclusive, green economic growth. By creating a legal and institutional foundation, the KGGTF-supported work ensures that urbanization contributes to long-term sustainability, transparency, and resilience.

Quotes

"The grant enabled us to formalize land tenure, modernize valuation systems, and align land reforms with urban development priorities. These reforms will unlock investment while making growth more inclusive and sustainable." — **Rosanna Nitti, Senior Urban Specialist**

4. **Promoting Cross-regional Learning**
   Urban knowledge exchange has been at the heart of the portfolio. In the Senegal grant (K161), urban planners and government officials participated in a study tour to Korea to explore smart cadastral and planning systems. In India and Kenya (K235), practitioners engaged in blended learning programs with Seoul Housing Corporation (SH) and KRIHS to apply climate-resilient urban planning in affordable housing initiatives.

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Case Study: Greening Urban Development in Bamako, Mali (AR 2023)

Bamako, the world's sixth fastest-growing city, faces rapid urbanization pressures, including weak infrastructure investment (just $0.72 per person), inadequate data systems, and limited institutional capacity. With its population projected to reach 4.2 million by 2025, the city urgently requires resilient and inclusive planning to improve waste management, sanitation, mobility, and flood resilience.

The KGGTF grant provided technical assistance, risk-informed planning, and capacity building to support the World Bank's "Bamako Urban Resilience Project" (WB lending $250 million). The grant's activities focused on strengthening data-driven decision-making, integrating climate and disaster risks into planning, and engaging communities—laying the foundation for sustainable and resilient urban growth.

Key Activities and Results

- Aerial and Drone Data Collection: Developed Bamako's first comprehensive base map through aerial imagery and drone surveys; trained local authorities in drone operations to regularly update city maps, especially in peri-urban areas.
- Citizen Mapping and Youth Engagement: Trained 120 students and unemployed graduates in remote and field-based data collection using tools like MapSwipe, producing maps of buildings, drainage, waste sites, and green spaces. This created 270 local jobs and built geospatial skills among young people.
- Flood Risk Assessment and Pre-feasibility Studies: Conducted hazard, exposure, and vulnerability analyses, producing options for grey and green infrastructure investments to improve resilience in flood-prone areas.
- Digital Geoportal Development: Integrated collected datasets into an open-access digital platform for Greater Bamako, enabling policymakers to overlay risk, infrastructure, and demographic data to guide investment decisions.
- Knowledge Exchange with Korea: Organized study tours for Malian officials to Seoul, including site visits to Nanjido Park, Sudokwon landfill, Cheonggyecheon restoration, and Seoul's GIS division, highlighting practical applications of digital tools in urban management.

The program's leverage effect reached 500:1, with $500 generated in lending for every grant dollar. The data platform and training directly shaped the Bamako Urban Master Plan revision (the first since the 1980s), embedding resilience, green growth, and participatory planning into the city's long-term development. Ultimately, these efforts aim to improve sanitation and flood resilience for 3 million people in Bamako.

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Quotes

"The use of technology and mapping allows us to obtain information about Bamako's territory through a geoportal. This supports financing and management of flood-prone areas and guides decisions for vulnerable neighborhoods based on real needs."
— **Babadian Diakité, Coordinator of the Bamako Urban Resilience Project**

Through its urban sector grants, KGGTF has helped cities adopt smart tools, design inclusive policies, and attract larger development investments. The program has also fostered integrated governance and long-term planning approaches, setting the stage for systemic urban transformation across regions.

Notable Innovations and Delivery Methods

KGGTF's urban portfolio features a range of innovative technologies and delivery mechanisms tailored to meet the complex needs of rapidly urbanizing regions. These innovations support climate-smart, data-driven, and inclusive urban development by enhancing local planning capacity, infrastructure design, and governance systems.

Technological Innovations

• **GIS-Based Urban Planning Tools**: In Cambodia (K234), digital land administration and planning platforms enabled municipalities to make evidence-based decisions, improving land records, property taxation systems, and municipal revenue generation by linking land values to service delivery outcomes.

• **Digital Twin and 3D Modeling**: In Mali (K140), Bamako applied a digital twin approach to visualize urban growth and simulate infrastructure scenarios. The tool enhanced spatial planning by integrating green-gray infrastructure alternatives and supporting strategic investment decisions.

• **Smart Governance Platforms**: In Nepal (K108), digital tools were introduced across 16 secondary cities to support green growth planning under federalism. The system included metropolitan-level performance indicators to inform local policy and cross-jurisdiction coordination.

• **Nature-Based Urban Resilience Planning**: In India (K233), mid-sized cities such as Kolhapur and Ichalkaranji incorporated wetland restoration and ecosystem-based infrastructure into their urban plans. The grant facilitated collaboration between Korean and Indian institutions to co-develop locally appropriate nature-positive solutions.

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Types of Delivery Approaches

• **Knowledge Exchange Missions**: Study visits to Korea and peer cities (e.g., Seoul, Goyang) fostered cross-country learning, exposing policymakers to real-world applications of digital planning tools and resilient infrastructure models.

• **Technical Assistance and Clinics**: Expert-led advisory sessions supported the design of policies, digital systems, and governance models tailored to city-specific needs, often involving joint diagnostics and co-creation of implementation frameworks.

• **Pilot Project Formulation**: City- and metro-level pilots allowed the testing of innovative solutions—such as smart land systems or green infrastructure—within real-world governance structures, enabling scalable and replicable models.

• **Regional Forums and Virtual Learning**: Online platforms and regional workshops provided continuous capacity building, enabling peer learning, knowledge transfer, and rapid dissemination of best practices across countries.

• **Partnerships with Korean Institutions (K-Partners)**: Institutions such as Goyang City and Korean academic and research bodies offered practical expertise and policy experience, contributing to co-designed digital platforms, planning frameworks, and capacity-strengthening programs.

By combining cutting-edge innovation with flexible delivery approaches, KGGTF enables cities to adopt and scale context-specific solutions that are resilient, inclusive, and climate-smart. This dual-track model—leveraging both technology and tailored implementation support—ensures that urban transformation is grounded in local realities while aligned with global sustainable development goals.

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Case Study: Strengthening the Senegalese Spatial Data Infrastructure (AR 2024)

Senegal is advancing a bold reform of its land administration through the Project Cadastre et Sécurisation Foncière (PROCASEF), which seeks to establish a modern and reliable Cadastre system. By enhancing its National Spatial Data Infrastructure (NSDI), the country aims to improve land tenure security, governance, and economic development. The KGGTF grant provided technical assessments, training, and international knowledge exchange to build national geospatial capacity and align spatial data management with development priorities.

The grant enabled Senegal to adopt the Integrated Geospatial Information Framework (IGIF), providing a structured roadmap for strengthening institutions, improving data interoperability, and embedding geospatial strategies into national policies. It directly influenced the $80 million Senegal Cadastre and Land Tenure Improvement Project, multiplying the impact of the grant and accelerating the modernization of land governance systems.

Key Activities and Results

• Baseline Assessment & Action Plan: Conducted a comprehensive assessment of Senegal's geospatial infrastructure and produced an NSDI Action Plan aligned with national policy drivers.
• Capacity Building: Trained 50 geographic data producers, upskilled 25 IT specialists and NSDI managers, and engaged 600 participants through geospatial workshops.
• Knowledge Exchange: Organized four in-country workshops and a study tour to Korea (2022), showcasing advanced geospatial data strategies and fostering institutional reforms.
• Policy Alignment: Developed geospatial strategies linked to Senegal's development priorities, including land tenure security, disaster management, and natural resource governance.
• Strategic Influence: Informed the design of the Strategy for the Development of NSDI, ensuring long-term adoption of geospatial solutions across multiple sectors.

The grant demonstrated significant leverage, with every $1 of KGGTF funding mobilizing $160 in investment, showcasing how targeted technical assistance can unlock large-scale financing. The outcomes laid the foundation for a national Cadastre that incorporates both individual and collective land rights, strengthening transparency and resilience in land governance.

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Quotes

"Geospatial information is the foundation for effective and sustainable land management. By providing key institutions with the necessary tools and skills, we are not only mapping the territory, but also paving the way for a more structured, transparent, and resilient future for Senegal." — Ousseynou Niang, IT Manager, PROCASEF

"Without geographic information, land tenure security is unthinkable. The Trust Fund's activities have not only strengthened the project's capacity to effectively manage geographic information but have also laid the groundwork for national deliberations on the exchange and interoperability of geospatial data among various institutions." **— Andre Teyssier, Senior Land Administration Specialist**

Collaboration with Korean Partners (K-Partners)

Key Institutions and Roles

KGGTF's Urban portfolio has actively leveraged Korea's advanced digital expertise and innovative technologies through collaboration with key Korean partners (K-Partners). These institutions provide critical support in policy design, technical guidance, and capacity building, ensuring that digital projects are effectively implemented and aligned with global sustainability goals.

Main K-Partners and Their Roles in Urban Grants

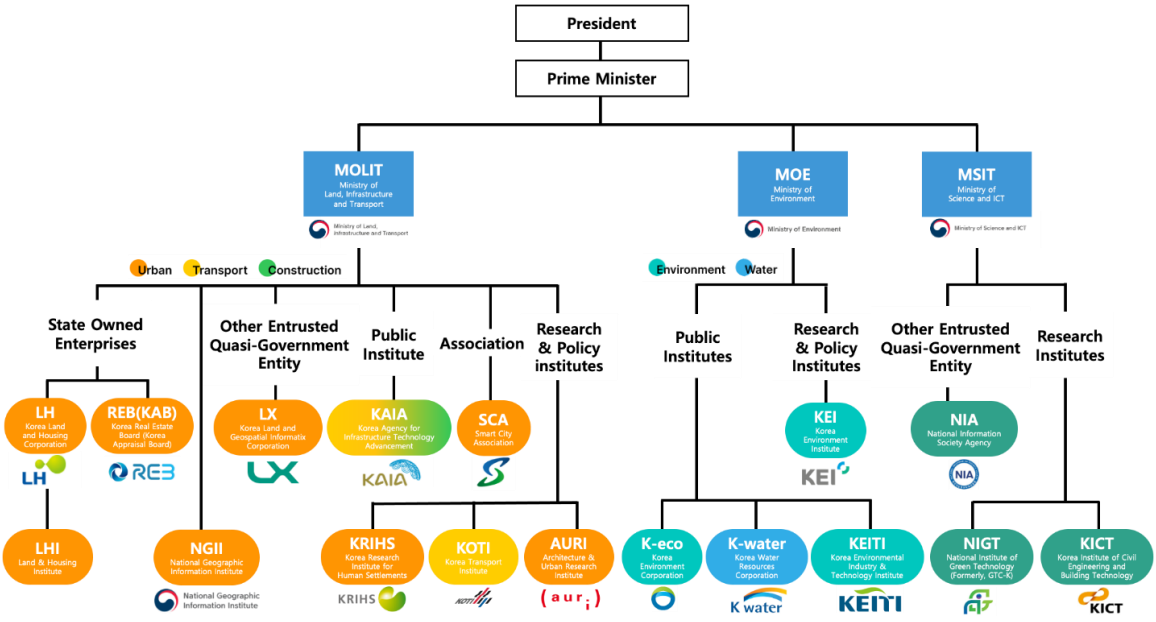
KGGTF's urban sector grants are enriched through close collaboration with leading Korean institutions that offer practical expertise, technical innovation, and policy knowledge in sustainable urban development. These institutions play critical roles in providing advisory support, capacity building, and solution design across key themes such as land use, infrastructure, spatial planning, and digital governance.

- **MOLIT (Ministry of Land, Infrastructure and Transport):** Provides strategic guidance on national urban policy and smart city initiatives.
- **KRIHS (Korea Research Institute for Human Settlements)**: Supports urban planning, land policy, and spatial strategy development.
- **LH (Korea Land and Housing Corporation):** Offers deep expertise on affordable housing, TOD, and new town development.

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- **Seoul Metropolitan Government (SMG) / SUSA (Seoul Urban Solutions Agency):** Shares hands-on urban regeneration experience and smart city operations.
- **KIND (Korea Overseas Infrastructure & Urban Development Corporation)**: Facilitates public-private partnerships (PPPs) for overseas infrastructure development, offering feasibility and co-financing strategies to enhance project bankability.
- **KICT (Korea Institute of Civil Engineering and Building Technology)**: Contributes cutting-edge civil engineering solutions and resilient infrastructure design through international R&D and technology transfer.
- **LHRI (Korea Land and Housing Research Institute)**: Provides global knowledge exchange on housing, smart land governance, and urban sustainability through academic and institutional partnerships.
- **REB (Korea Real Estate Board)**: Promotes real estate digital systems and land policy modernization in client countries, supporting evidence-based urban land management.
- **NIA (National Information Society Agency):** Provides digital solutions and platforms for urban management and smart governance.

These partnerships ensure the urban grants benefit from Korea's practical models and policy innovations, adapted to local development contexts.



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Types of Collaboration

KGGTF's urban sector grants actively leverage collaboration with Korean partners to facilitate peer-to-peer learning, co-design of innovative solutions, and adaptation of Korea's urban development experience to diverse country contexts. These collaboration models enhance the effectiveness of grants by aligning global best practices with local priorities, while strengthening institutional capacity and policy frameworks in client countries.

• **Knowledge Exchange (KE) Missions**: Organized study visits to Korean cities such as Seoul and Goyang expose client country officials to smart city platforms, urban regeneration sites, and integrated land-use systems, fostering hands-on learning and peer dialogue.

• **Technical Dialogues and Policy Advisory**: Korean experts provide inputs on urban spatial planning, digital governance, and housing finance, helping align project design with country strategies and international standards.

• **Pilot Project Design and Feasibility Studies**: Korean institutions collaborate with local counterparts to co-develop urban regeneration pilots, transit-oriented development (TOD) strategies, and integrated infrastructure plans, providing technical specifications and implementation guidance.

• **Co-Developed Knowledge Products**: Jointly produced manuals, guidelines, and case studies document successful practices and urban innovations, supporting knowledge transfer and adaptation in other cities and regions.

This multi-dimensional collaboration model strengthens the scalability and relevance of KGGTF's urban sector grants by embedding tested Korean solutions into locally grounded urban development strategies.

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Case Study: Building Coastal Resilience in Asunción, Paraguay (AR 2020)

Asunción, Paraguay's capital, and home to 47% of the national population**,** faces mounting challenges from rapid urbanization, riverine flooding, and informal settlements**.** The flood-prone wetlands of *Los Bañados de Asunción* now house more than 100,000 residents, exposing the city's most vulnerable populations to repeated flooding, poor services, and health-related risks. Previous government attempts to address these issues through the Coastal Strip Master Plan (PMFC) were only partially implemented, underscoring the need for a more resilient and climate-smart approach.

Through KGGTF support, the World Bank designed the $105 million Asunción Riverfront Urban Resilience Project (P175320), approved in November 2022. The project integrates green growth principles, including nature-based solutions, climate-smart resettlement housing, and resilient infrastructure, directly aligned with Paraguay's post-COVID-19 recovery plan.

Key Activities and Results

- **Technical Assistance for PMFC Implementation**: Provided studies and recommendations for the comprehensive roll-out of the Coastal Strip Master Plan, integrating social, environmental, financial, and technical criteria into decision-making.
- **Design of Climate-Smart Housing and Public Spaces**: Supported resettlement housing with **IFC EDGE certification** and the integration of nature-based flood risk management solutions in key areas like Parque Caballero, San Miguel, and Eco Bahia.
- **Participatory and Inclusive Planning**: Facilitated stakeholder workshops and community dialogues, ensuring that vulnerable populations in Los Bañados shape the design of housing, drainage, and green infrastructure.
- **Data-Driven Decision-Making**: Applied drone technology and machine learning for neighborhood mapping and social condition surveys, embedding climate, social, and economic criteria into urban planning tools.
- **Capacity Building and Knowledge Exchange**: Trained 150 local participants in Paraguay on resilient urban design, green infrastructure, and resource-efficient planning; partnerships included KOICA and IDB.

The KGGTF program catalyzed World Bank financing, embedding urban green growth strategies into Paraguay's planning framework and creating pathways for private sector participation in cross-subsidizing investments. With improved housing, flood defenses, and social services, the project strengthens environmental, physical, and socio-economic resilience for the most vulnerable communities in Asunción.

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Quotes

"The KGGTF has provided the Bank team with the resources to successfully integrate green growth principles including nature-based solutions infrastructure to reduce flood risks in the project design, providing vulnerable communities with a definitive solution to long-standing problems that otherwise wouldn't have been possible." — **Santiago Arias, Senior Urban Development Specialist**

Conclusion

As these case studies demonstrate, KGGTF's contributions to the urban sector have been instrumental in advancing data-driven, resilient, and inclusive city development. By supporting strategic innovation, integrated planning, and institutional capacity building, the fund has enabled cities to improve service delivery, enhance livability, and respond more effectively to climate and demographic pressures.

Looking ahead, KGGTF will deepen its focus on:

- **Expanding the use of digital platforms and smart governance tools** to support evidence-based urban planning and service delivery
- **Scaling nature-based and low-carbon infrastructure solutions** that enhance resilience and mitigate climate risks
- **Promoting inclusive urban regeneration** that addresses informality, spatial inequality, and social cohesion
- **Strengthening co-learning with Korean partners** to adapt successful models of urban transformation to diverse contexts

Through these priorities, KGGTF will continue to help client countries shape urban systems that are adaptive, climate-smart, and aligned with global sustainability and development goals.

If you are interested in applying for KGGTF grant funding or would like support in identifying Korean expertise for your program, please contact the KGGTF team. We are here to help you co-design impactful solutions that deliver results on the ground.

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Annex 1. Total Grant List

Approval Year	K#	Grant Name	Country	Amount Approved by donor	K-partner	Linked P-Code
2024	235	Scaling up Green Affordable Housing	India, Kenya	$350,000	MOLIT	P508557
2024	234	Smart, Green, and Inclusive Urbanization in Cambodia	Cambodia	$600,000	KRIHS, LH, LX	P504484
2024	233	Urban Nature-based Solutions for Green Growth in Maharashtra	India	$350,000	KRIHS, KEI	P506340
2024	232	Improving Sustainability and Efficiency of Solid Waste Sector in Nepal and Sri Lanka	Sri Lanka; Nepal	$595,000	SMG, SUSA, KECO	P176456
2023	218	From Recovery to Sustainable Growth: Building Resilient Cities through Enhanced Urban Housing and Spatial Planning Strategies	Yemen	$500,000	LH, KICT	P175791
2023	217	Developing a Digital Ecosystem Assessment Tool for Smart and Inclusive Cities	Global	$500,000	KRIHS, KAIA, NIA, Korea Smart City Association	P181073
2023	216	Transforming Mongolia's developmental trajectory towards Green Resilient Inclusive Development	Mongolia	$600,000	LH, KNCPC, Gyeonggi Eco-Industrial Development Center, KEITI, SMG, KOICA, Kolon FnC	P174001
2022	195	Accelerating Indonesia Climate-Resilient, Sustainable and Inclusive Housing	Indonesia	$600,000	KRIHS, LH, KEXIM	P179408
2022	194	Innovations in land valuation, taxation and land use planning to support land policy reforms and green growth transformation	Uzbekistan	$500,000	LH, KREB, NGII, LX, Presidential Committee for Balanced National Development	P162929
2022	193	Nepal Green Land and Buildings	Nepal	$500,000	LH	P176456
2021	179	Supporting green and resilient urban development as part of the COVID-19 recovery in Colombia	Colombia	$800,000	MOLIT, LH, Public and Private Drone and Geospatial Entities, LX	P172535
2021	178	Integration of Land Information and Geospatial Systems for Green Economic Recovery (ILIGS-GER)	Vietnam	$400,000	KOICA, LH, KREB, KRIHS, K-water	P154387
2020	163	Metropolitan Kolkata Urban Transport and Spatial Planning	India	$400,000	MOLIT, KRIHS, SMG, National Disaster Management Research Institute within the MOIS, Ministry of Science and ICT, Jeju Province, Busan Port Authority	P166020

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2020	162	Building Coastal Resilience in Asuncion through Climate Smart Solutions	Paraguay	$500,000	KOICA	P175320
2020	161	Strengthening the Senegalese Spatial Data Infrastructure	Senegal	$500,000	LH, KRIHS, SPACE N, Wavus, Hojung Solutions	P172422
2019	141	Geospatial Information Management for Green Growth Operationalization (GIMGGO)	Lao PDR, Colombia, Mongolia, Cote d'Ivoire	$700,000	LX, NGII, KRIHS, KAB	P168992
2019	140	Greening Urban Development in Bamako (Mali)	Mali	$500,000	KRIHS, LH, LHI, SMG, SI	P171658
2018	131	Fostering Green Growth in Fragile States	Myanmar	$800,000	LX, MOLIT, GTC-K, NSDIC, KRIHS	P168888
2017	108	Supporting Green Growth Urban Development and Planning Processes in Nepal	Nepal	$400,000	KRIHS, SMG	P163418
2017	107	Greening Urban Growth in Metropolitan Buenos Aires	Argentina	$300,000	KRIHS, KOTI, MOLIT	P159843
2017	106	Land Records and Geo-Spatial Information Systems Linked to Green Growth (LRGIGG)	Honduras, El Savlador, Paraguay, Pakistan, Uganda, Burkina Faso	$600,000	MOLIT, LX, NGII, KRIHS	P165709
2017	105	Leveraging green growth for balanced spatial development in Uzbekistan	Uzbekistan	$300,000	KRIHS, LX	P162929
2017	104	City Planning Labs and Spatial Planning	Indonesia	$200,000	SMG, LX	P158752
2017	103	Improving Solid Waste Management in African Cities	Regional	$500,000	KEI, KECO	P155467
2016	84	Greening growth for the displaced in Jordan	Jordan	$600,000	KRIHS, LH,LHI, SMG, SI	P158331
2016	83	Green Karachi through improved service delivery system	Pakistan	$500,000	KRIHS	P161402
2015	80	Green Regional Development Plan for Growth Centers in India	India	$350,000	KRIHS, SMG, KOTI	P158117
2015	79	Transforming Cities through Public Space	Sri Lanka, Banglades h, and India	$600,000	AURI, LH, KRIHS, SMG, SI	P165477
2015	78	Cairo Smart Service Delivery Project	Egypt	$575,000	KRIHS	P160227
2015	77	Strengthening urban management in Mexican cities	Mexico	$400,000	KHIRS, SMG, LH, LHI	P157932
2015	76	Strengthening Mexico's Capacity for Integrated Solid Waste Management	Mexico	$400,000	Ministry of Environment of Korea, KECO, Sudokwon Landfill Site Management Corporation	P154801
2015	75	An Integrated Approach to Urban Sustainability Planning	Uruguay	$ 1,560,000	KRIHS	P164716

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2015	74	Moving Towards Green Urban Development of Kyrgyz Cities	Kyrgyzstan	$300,000	N/A	P151416
2015	73	Vanuatu Affordable and Resilient Housing	Vanuatu	$675,000	KRIHS, LH, LHI, SMG	P157414
2015	72	TA to promote sold waste management and urban greenery in selected Ethiopian secondary cities	Ethiopia	$400,000	MOLIT	P133592
2015	71	Real Time Urban Flood Risk Management and Decision Support Tool for Bamako Greater Area	Mali	$495,000	Kyungpook National University	P144657
2015	70	Improving Solid Waste Service Delivery in African Cities.	African Cities	$600,000	N/A	P155467
2015	50	Inclusive Green Growth for EAP Cities	Vietnam, Indonesia	$150,000	KEA, Korea University Urban Lab	P146777
2014	49	Regional Economic and Infrastructure Investment Strategy	India	$400,000	N/A	P154293
2014	48	Sri Lanka Strategic Cities	Sri Lanka	$500,000	N/A	P130548
2014	47	Design and Preparation of Tamil Nadu Sustainable Urban Development	India	$600,000	N/A	P150395
2014	44	Implementing Green Solution for Waste Management	Argentina	$400,000	N/A	P151981
2014	43	Leveraging Korea's Experience in the Solid Waste	China, Indonesia, Benin	$225,000	N/A	P156403
2014	42	Green Smart City Development with Citizen Participation	India, Tunisia	$800,000	SMG, MOLIT	P146716
2014	41	Low Carbon City Development	Global	$1,370,000	Gwangju Metropolitan City, Gwangju-based city network Urban Environmental Accords, and 16 external organizations	P146713
2014	40	Developing Green Growth Strategies for Metropolitan Municipalities	Turkey	$500,000	KICOX, MOLIT, GTC-K, Seoul National University, KEXIM, KRIHS	P128605
2014	39	Metro Manila Citywide Slum Upgrading Project	Philippines	$350,000	KRIHS	P151920
2014	37	Secondary Cities program	Rwanda	$650,000	MOFA	P151955
2013	22	Green Growth Strategies for Mexican Cities	Mexico	$250,000	MOLIT, KRIHS, GGGI, Seoul National University, Yonsei University, Korea University	P157932
2013	18	Initial Assessment of Karachi Economy and Role as a Growth Center	Pakistan	$400,000	KRIHS	P149085
2013	17	Options Study for Development Along the Eastern Dedicated Freight Corridor	India	$400,000	KRIHS	P143663

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2013	16	Mexico Instruments for Urban Redevelopment	Mexico	$150,000	KRIHS, SMG	P147899
2013	15	Regional Resource Recovery and Recycling	Regional	$150,000	N/A	P147526
2013	14	Supporting Green Growth Urban Dev. Strategy in Ecuador	Panama	$300,000	KRIHS, MLTM, GGGI, SMG, KOTI	P152713
2013	13	A Sustainable Vision for the Rio de Janeiro Metropolitan Region	Brazil	$320,000	SMG	P147052
2013	12	Rio de Janeiro Low Carbon City Development Program	Brazil	$625,000	Gwangju City, KEI	P126735
2013	11	City Creditworthiness Program	Global	$500,000	N/A	P149923
2013	10	Capacity Building for Green Urban Growth	Global	$500,000	SMG, SH, KRIHS	P147879
2013	9	Inclusive Green Growth for East Asia Pacific Cities	Indonesia	$150,000	KRIHS	P146777
2013	8	Sustainable Urban Growth Analytics and Planning Systems	Indonesia	$375,000	SMG	P130714
2013	7	Enhancing Green Urban Development in Sub-Saharan Africa	Uganda, Tanzania, SA	$1,000,000	KRIHS, KOICA	P145658

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Annex 2. Grant Summary

K235. Scaling up Green Affordable Housing

GRANT TITLE	SCALING UP GREEN AFFORDABLE HOUSING
REGION	GLOBAL
COUNTRIES	INDIA, KENYA
SECTOR	URBAN
PROGRAM YEAR	YEAR 12 (2024)
AMOUNT	$350,000
STATUS	ACTIVE / APPROVED IN 2024
KNOWLEDGE EXCHANGE	YES
PROGRAM GOAL	THE PROPOSED ACTIVITY WOULD CATALYZE PUBLIC AND PRIVATE INTERVENTIONS TO ADDRESS BOTTLENECKS THAT LIMIT THE SCALE AND REPLICABILITY OF THE PROVISION OF AFFORDABLE HOUSING. IT WILL DEVELOP A METHODOLOGY - AND PILOT IT IN TWO COUNTRIES - FOR PRIORITIZING INTERVENTIONS TO ENABLE PUBLIC AND PRIVATE ACTIONS TO INCREASE CLIMATE-SMART AND ENERGY EFFICIENT AFFORDABLE HOUSING. MOREOVER, THE EXPERIENCES OF KOREA IN ADDRESSING HOUSING NEEDS DURING PERIODS OF RAPID URBANIZATION AND THE TWO DECADES OF OPERATING “GREEN BUILDING AND HOUSING” POLICY PROVIDE AN EXCELLENT CASE OF GOOD PRACTICE WITH REPLICABILITY POTENTIAL.
KEY RESULT	DEVELOPED THE IBRD-IFC JOINT METHODOLOGY FOR SCALING-UP GREEN AFFORDABLE HOUSING AND PREPARED COUNTRY-SPECIFIC ROADMAPS FOR INDIA AND KENYA. HOSTED KNOWLEDGE EXCHANGE EVENTS AND SITE VISITS SHOWCASING KOREA’S BEST PRACTICES IN HOUSING SITE DEVELOPMENT AND GREEN HOUSING. DELIVERED AN EXPLORATORY ASSESSMENT TO SUPPORT CLIENT COUNTRIES IN ADOPTING SUSTAINABLE HOUSING MODELS AND INTEGRATING GREEN GROWTH PRINCIPLES INTO HOUSING POLICIES.

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K234. SMART, GREEN, AND INCLUSIVE URBANIZATION IN CAMBODIA

GRANT TITLE	SMART, GREEN, AND INCLUSIVE URBANIZATION IN CAMBODIA
REGION	EAP
COUNTRIES	CAMBODIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 12 (2024)
AMOUNT	$600,000
STATUS	ACTIVE / APPROVED IN 2024
KNOWLEDGE EXCHANGE	YES
PROGRAM GOAL	THE PROGRAM AIMS TO SUPPORT CAMBODIA'S TRANSITION TOWARD SMART, GREEN, AND INCLUSIVE URBANIZATION BY STRENGTHENING URBAN MANAGEMENT, INFRASTRUCTURE SERVICES, AND LAND ADMINISTRATION SYSTEMS. IT SEEKS TO ADDRESS CLIMATE RISKS AND KNOWLEDGE GAPS THROUGH SPATIAL ANALYTICS, POLICY REFORM, AND FINANCING STRATEGIES. ULTIMATELY, IT INTENDS TO UNLOCK THE POTENTIAL OF MEDIUM-SIZED CITIES AND ECONOMIC CORRIDORS, PROMOTING BALANCED REGIONAL DEVELOPMENT AND PREPARING THE GROUND FOR FUTURE LENDING AND INVESTMENT.
KEY RESULT	ANALYZED URBANIZATION TRENDS AND DEVELOPED AN ECONOMIC POTENTIAL INDEX TO IDENTIFY HIGH-GROWTH MEDIUM CITIES AND ECONOMIC CLUSTERS, PROVIDING TARGETED INVESTMENT AND POLICY RECOMMENDATIONS. PRODUCED REPORTS AND ROADMAPS ON MUNICIPAL FINANCE, INFRASTRUCTURE FUNDING, AND REVENUE MOBILIZATION, ALONGSIDE DIGITAL TOOLKITS AND FISCAL STRATEGIES. DELIVERED TRAINING PROGRAMS AND LAUNCHED PILOT INITIATIVES LEVERAGING PEER LEARNING FROM KOREA, INDONESIA, AND SOUTH AFRICA TO STRENGTHEN SUB-NATIONAL REVENUE SYSTEMS.

K233. URBAN NATURE-BASED SOLUTIONS FOR GREEN GROWTH IN MAHARASHTRA

GRANT TITLE	URBAN NATURE-BASED SOLUTIONS FOR GREEN GROWTH IN MAHARASHTRA
REGION	SAR

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COUNTRIES	INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 12 (2024)
AMOUNT	$350,000
STATUS	ACTIVE / APPROVED IN 2024
KNOWLEDGE EXCHANGE	YES
PROGRAM GOAL	THE PROGRAM AIMS TO MAINSTREAM NATURE-BASED SOLUTIONS (NBS) INTO MAHARASHTRA'S URBAN DEVELOPMENT STRATEGY TO STRENGTHEN RESILIENCE AND FOSTER GREEN GROWTH. IT SEEKS TO ADDRESS FLOODING, HEAT STRESS, AND OTHER CLIMATE RISKS BY INTEGRATING NBS—SUCH AS WETLAND RESTORATION, PERMEABLE PAVEMENTS, AND GREEN ROOFS—INTO CITY PLANNING. ULTIMATELY, IT INTENDS TO UNLOCK PRIVATE INVESTMENT, PROMOTE PUBLIC-PRIVATE PARTNERSHIPS, AND POSITION MAHARASHTRA'S CITIES AS ENGINES OF SUSTAINABLE, CLIMATE-RESILIENT ECONOMIC GROWTH.
KEY RESULT	DEVELOPED A COMPREHENSIVE HANDBOOK ON NATURE-BASED SOLUTIONS (NBS) FOR GREEN GROWTH IN INDIA AND CREATED TARGETED AWARENESS MATERIALS FOR STAKEHOLDERS. CONDUCTED CAPACITY-BUILDING WORKSHOPS IN EACH CITY AND PREPARED INVESTMENT OPTION REPORTS FOR KOLHAPUR, ICHALKARANJI, AND SANGLI, INCLUDING MARATHI BROCHURES FOR LOCAL ENGAGEMENT. COMPILED A POLICY REPORT WITH BEST PRACTICES AND CONTRIBUTED TO MAHARASHTRA'S STATE ACTION PLAN, CULMINATING IN A FINAL CONFERENCE TO ATTRACT PRIVATE INVESTMENT.

K232. IMPROVING SUSTAINABILITY AND EFFICIENCY OF SOLID WASTE SECTOR IN NEPAL AND SRI LANKA

GRANT TITLE	IMPROVING SUSTAINABILITY AND EFFICIENCY OF SOLID WASTE SECTOR IN NEPAL AND SRI LANKA
REGION	SAR
COUNTRIES	SRI LANKA, NEPAL

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SECTOR	URBAN
PROGRAM YEAR	YEAR 12 (2024)
AMOUNT	$595,000
STATUS	ACTIVE / APPROVED IN 2024
KNOWLEDGE EXCHANGE	YES
PROGRAM GOAL	THE PROGRAM AIMS TO SUPPORT THE GOVERNMENTS OF SRI LANKA AND NEPAL IN IMPROVING THE PERFORMANCE AND SUSTAINABILITY OF MUNICIPAL SOLID WASTE MANAGEMENT IN THE GREATER COLOMBO AREA (GCA) AND KATHMANDU VALLEY (KTV). IT SEEKS TO ADDRESS WASTE SECTOR EMISSIONS AND SERVICE DELIVERY GAPS THROUGH TARGETED TECHNICAL ASSISTANCE, STRENGTHENED PLANNING AND OPERATIONAL PRACTICES, AND STRUCTURED KNOWLEDGE EXCHANGE DRAWING ON THE REPUBLIC OF KOREA'S EXPERIENCE. ULTIMATELY, IT INTENDS TO HELP BOTH COUNTRIES ADVANCE TOWARD ZERO-WASTE TARGETS WHILE LAYING THE GROUNDWORK FOR SCALABLE REFORMS AND FUTURE INVESTMENT IN THE WASTE MANAGEMENT SECTOR.
KEY RESULT	DEVELOPED A GUIDANCE NOTE FOR ESTABLISHING DIGITAL SOLID WASTE MANAGEMENT (SWM) PERFORMANCE MANAGEMENT SYSTEMS IN SRI LANKA AND NEPAL. CONDUCTED A TECHNICAL STUDY FOR SRI LANKA ON A WASTE-TO-BIO CNG FACILITY, DELIVERING A STRATEGIC ROADMAP AND ACTIONABLE RECOMMENDATIONS. PRODUCED SITE-SPECIFIC STRATEGIC RECOMMENDATIONS FOR THE CLOSURE AND RECLAMATION OF THE MADAMPITIYA DUMPSITE IN SRI LANKA AND THE SISDOLE LANDFILL IN NEPAL, AND COMPLIED A LESSONS-LEARNED NOTE SUMMARIZING KNOWLEDGE TRANSFER ACTIVITIES AND WORKSHOPS.

K218. FROM RECOVERY TO SUSTAINABLE GROWTH: BUILDING RESILIENT CITIES THROUGH ENHANCED URBAN HOUSING AND SPATIAL PLANNING STRATEGIES

GRANT TITLE	YEMEN HOUSING AND SPATIAL PLANNING STRATEGIES
REGION	MNA
COUNTRIES	YEMEN, REPUBLIC OF
SECTOR	URBAN
PROGRAM YEAR	YEAR 11 (2023)

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AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2023
PROGRAM GOAL	THE PROGRAM AIMS TO SUPPORT YEMEN'S RECOVERY AND TRANSITION TO SUSTAINABLE URBAN GROWTH BY STRENGTHENING HOUSING AND SPATIAL PLANNING STRATEGIES. IT SEEKS TO RESTORE ACCESS TO CRITICAL SERVICES, BUILD RESILIENCE TO CLIMATIC SHOCKS, AND GUIDE FUTURE INVESTMENTS THROUGH SPATIAL PLANNING. BY LEVERAGING INTERNATIONAL KNOWLEDGE AND KOREAN EXPERTISE, THE PROGRAM INTENDS TO EQUIP GOVERNMENT INSTITUTIONS WITH TOOLS, CAPACITY, AND STRATEGIES FOR CLIMATE-RESILIENT URBAN DEVELOPMENT.
KEY RESULT	CONDUCTED A STUDY TOUR WITH LH AND KICT TO EXAMINE KOREA'S HOUSING RECOVERY AND SPATIAL PLANNING STRATEGIES, SHOWCASING ADVANCED SPATIAL DATA MANAGEMENT AND DIGITAL INNOVATION FOR DEVELOPING COUNTRIES. ORGANIZED A HYBRID WORKSHOP WITH THE GOVERNMENT OF YEMEN AND PARTNERS, PLUS AN INTERNAL BBL WITH MULTIPLE GLOBAL PRACTICES. PRODUCED A HOUSING VALUE CHAIN STRATEGY AND ROADMAP TO STRENGTHEN CAPACITY AND GUIDE FUTURE INVESTMENTS.

K217. DEVELOPING A DIGITAL ECOSYSTEM ASSESSMENT TOOL FOR SMART AND INCLUSIVE CITIES

GRANT TITLE	DEVELOPING A DIGITAL ECOSYSTEM ASSESSMENT TOOL FOR SMART AND INCLUSIVE CITIES
REGION	GLOBAL
COUNTRIES	GLOBAL
SECTOR	URBAN
PROGRAM YEAR	YEAR 11 (2023)
AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2023
PROGRAM GOAL	THE PROGRAM AIMS TO STRENGTHEN SMART AND INCLUSIVE CITY DEVELOPMENT BY CREATING AND APPLYING A DIGITAL ECOSYSTEM ASSESSMENT TOOL UNDER THE GLOBAL SMART CITY PARTNERSHIP PROGRAM (GSCP). IT SEEKS TO STANDARDIZE APPROACHES TO DIGITAL READINESS ACROSS CITIES, FOCUSING ON ENABLERS SUCH AS INFRASTRUCTURE, INSTITUTIONS, DATA, AND SKILLS. ULTIMATELY, IT INTENDS TO INFORM STRATEGIC AND INVESTMENT PLANNING, ENHANCE DIGITAL ACCESSIBILITY, AND SCALE INCLUSIVE URBAN SERVICES UNDER THE GRID FRAMEWORK.
KEY RESULT	COLLABORATED WITH MOLIT, KRIHS, KAIA, NIA, AND THE KOREA SMART CITY ASSOCIATION TO DEVELOP AND PILOT A DIGITAL ECOSYSTEM ASSESSMENT TOOL FOR SMART CITIES. CONDUCTED TECHNICAL WORKSHOPS, CAPACITY-BUILDING SESSIONS, AND CASE STUDIES IN SELECTED CITIES. PRODUCED A

	TECHNICAL GUIDE ON DIGITAL ACCESSIBILITY AND SHOWCASED TOOLS AT GLOBAL SMART CITY EVENTS, ENHANCING PLANNING, DECISION-MAKING, AND READINESS FOR SMART CITY DEVELOPMENT.

K216. TRANSFORMING MONGOLIA'S DEVELOPMENTAL TRAJECTORY TOWARDS GREEN RESILIENT INCLUSIVE DEVELOPMENT

GRANT TITLE	TRANSFORMING MONGOLIA'S DEVELOPMENTAL TRAJECTORY TOWARDS GREEN RESILIENT INCLUSIVE DEVELOPMENT
REGION	EAP
COUNTRIES	MONGOLIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 11 (2023)
AMOUNT	$600,000
STATUS	ACTIVE / APPROVED IN 2023
PROGRAM GOAL	THE GRANT AIMS TO SUPPORT THE DEVELOPMENT OF THE 'URBAN COMPETITIVENESS REGENERATION PROJECT (UCRP; P174001)' OF THE MONGOLIAN GOVERNMENT UNDER THE PRINCIPLES OF GREEN, RESILIENT, AND INCLUSIVE DEVELOPMENT (GRID). SPECIFICALLY, ITS GRANT PROGRAM SEEKS TO (I) DESIGN AN ECO-INDUSTRIAL PARK (EIP), (II) HELP RELOCATE THE LEATHER AND WOOL SMES WHILE IMPROVING MARKET COMPETITIVENESS, AND (III) LEVERAGE FINANCIAL RESOURCES FOR SUSTAINABLE GOVERNANCE. DUE TO THE COMPLEXITY OF THE NEEDS AND INTERESTS OF THE DIFFERENT STAKEHOLDERS, KNOWLEDGE PARTNERSHIP BETWEEN KOREAN INSTITUTIONS AND MONGOLIAN GOVERNMENT AGENCIES WILL BE A KEY IMPLEMENTATION REGARDING EIPS, REMEDIATION OF SOIL AND GROUNDWATER CONTAMINATION, REGENERATION OF URBAN CENTERS/WATERFRONTS, IMPROVING SME COMPETITIVENESS, AND OTHERS.
KEY RESULT	COLLABORATED WITH LH, KNCPC, KEITI, SMG, AND GYEONGGI ECO-INDUSTRIAL DEVELOPMENT CENTER TO SUPPORT MONGOLIA'S INDUSTRIAL PARK TRANSITION. CONDUCTED A RELOCATION ANALYSIS, DEVELOPED A TECHNICAL STUDY ON ECO-INDUSTRIAL PARKS (EIP), AND ORGANIZED A KNOWLEDGE EXCHANGE VISIT FOR TEN OFFICIALS. DELIVERED WORKSHOPS TO DISSEMINATE FINDINGS, ENHANCING POLICY DESIGN, SME RELOCATION PLANNING, AND GOVERNMENT CAPACITY FOR EIP IMPLEMENTATION.

K195. ACCELERATING INDONESIA CLIMATE-RESILIENT, SUSTAINABLE AND INCLUSIVE HOUSING

GRANT TITLE	ACCELERATING INDONESIA CLIMATE-RESILIENT, SUSTAINABLE AND INCLUSIVE HOUSING
REGION	EAP
COUNTRIES	INDONESIA

SECTOR	URBAN
PROGRAM YEAR	YEAR 10 (2022)
AMOUNT	$600,000
STATUS	ACTIVE / APPROVED IN 2022
PROGRAM GOAL	**THE GRANT AIMS TO PROVIDE TECHNICAL SUPPORT TO THE INDONESIAN GOVERNMENT FOR ENABLING INCLUSIVE AND RESILIENT URBAN DEVELOPMENT.** THE INDONESIAN GOVERNMENT HAS BEEN UNDERTAKING TWO MAJOR CHALLENGES IN URBAN DEVELOPMENT: ONE IS LIMITED ACCESS TO FINANCIAL PRODUCTS IN THE HOUSING SECTOR DESPITE THE GROWING MARKET, AND THE OTHER IS A LACK OF TECHNICAL CAPACITY TO DEVELOP GREEN HOUSING CONSTRUCTION WHICH CONSIDERS THE IMPROVEMENT OF CLIMATE CHANGE ADAPTATION AND MITIGATION. TO ADDRESS THIS, THE PROGRAM WILL SUPPORT THE REFORM OF A KEY GOVERNMENT POLICY, 'INDONESIA GREEN AFFORDABLE HOUSING PROGRAM' (IGAHP), IN THE HOUSING AND CONSTRUCTION SECTOR WHILE CONSULTING WITH THE COUNTRY MANAGEMENT UNIT (CMU). PLATFORM DEVELOPMENT WILL ENABLE THE INDONESIAN GOVERNMENT TO INTEGRATE LOW-CARBON AND ENERGY-EFFICIENT PRACTICES INTO NATIONAL PROGRAMS SUCH AS "ONE MILLION HOMES." AS A SOLUTION TO AN INADEQUATE GOVERNMENT FUNDING RESOURCE, IT WILL ALSO TARGET ACTIVE PRIVATE-SECTOR ENGAGEMENT TO FACILITATE A BLENDED FINANCING PLATFORM TO SUPPORT FISCAL SUSTAINABILITY.
KEY RESULT	PARTNERED WITH KRIHS, LH, AND KEXIM TO ADVANCE INDONESIA'S GREEN AND AFFORDABLE HOUSING PROGRAM (IGAHP). DEVELOPED A ROADMAP AND FINANCING PLATFORM, CONDUCTED A STUDY TOUR ON CLIMATE-RESILIENT HOUSING, AND DESIGNED A CARBON CREDIT FRAMEWORK THROUGH GHG BASELINE ASSESSMENTS. STRENGTHENED STAKEHOLDER CONSENSUS VIA WORKSHOPS, SUPPORTING NAHP 2.0 PREPARATION AND DRIVING GREEN, RESILIENT, AND AFFORDABLE HOUSING INVESTMENTS.

K194. INNOVATIONS IN LAND MANAGEMENT AND LAND USE PLANNING TO SUPPORT LAND POLICY REFORMS AND GREEN GROWTH TRANSFORMATION OF UZBEKISTAN

GRANT TITLE	INNOVATIONS IN LAND MANAGEMENT AND LAND USE PLANNING TO SUPPORT LAND POLICY REFORMS AND GREEN GROWTH TRANSFORMATION OF UZBEKISTAN
REGION	ECA
COUNTRIES	UZBEKISTAN
SECTOR	URBAN

PROGRAM YEAR	YEAR 10 (2022)
AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2022
PROGRAM GOAL	TO SUPPORT SUSTAINABLE AND GREEN URBANIZATION IN UZBEKISTAN BY ADDRESSING OUTDATED LAND MANAGEMENT PRACTICES AND BUILDING INSTITUTIONAL CAPACITY. THE PROJECT FOCUSES ON URBAN LAND REFORM, EFFICIENT LAND USE, AND POLICY ALIGNMENT TO FOSTER ECONOMIC AND ENVIRONMENTAL SUSTAINABILITY.
KEY RESULT	SUPPORTED MSCIUDP'S INSTITUTIONAL STRENGTHENING AND CAPACITY-BUILDING COMPONENTS BY ADDRESSING OUTDATED LAND MANAGEMENT SYSTEMS AND INEFFICIENT SOVIET-ERA PLANNING TOOLS IN UZBEKISTAN. DEVELOPED A ROADMAP FOR LAND REFORM AND PILOTED INNOVATIVE LAND MANAGEMENT MODELS TO PROMOTE SUSTAINABLE, GREEN URBANIZATION, IMPROVE URBAN SERVICE DELIVERY, AND ENABLE EFFICIENT INFRASTRUCTURE EXPANSION.

K193. NEPAL GREEN LAND AND BUILDINGS

GRANT TITLE	NEPAL GREEN LAND AND BUILDINGS
REGION	SAR
COUNTRIES	NEPAL
SECTOR	URBAN
PROGRAM YEAR	YEAR 10 (2022)
AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2022
PROGRAM GOAL	TO PROMOTE KNOWLEDGE-DRIVEN MECHANISMS TO OPERATIONALIZE GREEN, RESILIENT, AND INCLUSIVE DEVELOPMENT (GRID) AND RECOVERY IN MALDIVES, NEPAL, AND SRI LANKA. IT FOCUSES ON TWO CRITICAL AND INTERCONNECTED AREAS: GREEN LAND USE AND GREEN BUILDINGS AND CONSTRUCTION. BY SUPPORTING THE OPERATIONALIZATION OF GRID IN THESE REGIONS, THE GRANT AIMS TO FOSTER SUSTAINABLE DEVELOPMENT THROUGH IMPROVED LAND USE SYSTEMS, BUILDING REGULATIONS, AND POLICIES ALIGNED WITH ENVIRONMENTAL AND RESILIENCE GOALS.
KEY RESULT	DEVELOPED TECHNICAL LAND USE GUIDELINES AND FRAMEWORKS, INCLUDING AN LUR IMPLEMENTATION DIRECTIVE TO STANDARDIZE PLANNING. ANALYZED OVER 150 MUNICIPALITIES' LAND CLASSIFICATIONS, HIGHLIGHTING INCONSISTENCIES THROUGH A DUHABI MUNICIPALITY CASE STUDY SHOWING AGRICULTURAL LAND DECLINE (78.5%→36.4%) AND RESIDENTIAL EXPANSION (8%→44%). PROVIDED POLICY

	RECOMMENDATIONS INTEGRATING DISASTER RISK, CLIMATE ADAPTATION, AND FOOD SECURITY, WITH FEDERAL OVERSIGHT FOR CLASSIFICATION APPROVALS.

K179. GREEN AND RESILIENT URBAN DEVELOPMENT POST-COVID COLOMBIA

GRANT TITLE	GREEN AND RESILIENT URBAN DEVELOPMENT POST-COVID COLOMBIA
REGION	LAC
COUNTRIES	COLOMBIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 9 (2021)
AMOUNT	$800,000
STATUS	ACTIVE / APPROVED IN 2021
PROGRAM GOAL	THE GRANT AIMS TO DEVELOP MUNICIPAL CLIMATE AGENDAS, IMPROVE HOUSING AND URBAN UPGRADING PROGRAMS, IMPLEMENT REGULATORY AND INSTITUTIONAL REFORMS TO INTEGRATE CLIMATE RISK DATA INTO PLANNING PROCESSES, AND ENHANCE TOOLS FOR HOUSING, URBAN PLANNING, AND LAND MANAGEMENT.
KEY RESULT	PRODUCED A COMPREHENSIVE FEDESARROLLO REPORT AND POLICY ANALYSIS ON URBAN HOUSING, INCLUDING CASE STUDIES AND SCALABLE RENEWAL STRATEGIES. DELIVERED TECHNICAL AND LEGAL ADVISORY FOR BOGOTÁ'S URBAN REGENERATION PIPELINE AND BUSINESS MODELS. DEVELOPED AN URBAN VULNERABILITY INDEX, PILOT DATA ANALYTICS TOOLS, AND HOUSING DEFICIT STRATEGIES. INTEGRATED FINANCIAL, SOCIAL, AND POLICY INSIGHTS TO ADVANCE SUSTAINABLE URBANIZATION AND HOUSING IMPROVEMENT.

K178. VIETNAM PROJECT FOR IMPROVED LAND GOVERNANCE AND DATABASES

GRANT TITLE	VIETNAM PROJECT FOR IMPROVED LAND GOVERNANCE AND DATABASES
REGION	EAP
COUNTRIES	VIETNAM
SECTOR	URBAN
PROGRAM YEAR	YEAR 9 (2021)
AMOUNT	$400,000
STATUS	CLOSED / APPROVED IN 2021
PROGRAM GOAL	TO ENHANCE LAND GOVERNANCE AND TRANSPARENCY IN VIETNAM BY INTEGRATING LAND INFORMATION AND GEOSPATIAL SYSTEMS. THIS PROJECT AIMS TO MODERNIZE LAND ADMINISTRATION THROUGH PILOT INITIATIVES, KNOWLEDGE DISSEMINATION, AND POLICY SUPPORT. BY

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	LEVERAGING LIS/GIS INTEGRATION, THE PROGRAM WILL CONTRIBUTE TO SUSTAINABLE URBAN DEVELOPMENT AND GREEN ECONOMIC RECOVERY.
KEY RESULT	PRODUCED A SITUATION ANALYSIS REPORT ASSESSING LIS DATA QUALITY, INTEROPERABILITY, AND INSTITUTIONAL CAPACITY, WITH A ROADMAP FOR NATIONAL SCALE-UP. DEVELOPED DRAFT GUIDELINES FOR INTEGRATED LIS/GIS APPLICATIONS AND POLICY NOTES ON LAND REFORM. CONDUCTED WORKSHOPS WITH INTERNATIONAL EXPERTS, HARMONIZED LIS/GIS POLICIES, AND ENHANCED OFFICIALS' KNOWLEDGE ON GREEN GROWTH AND LIS/GIS APPLICATIONS FOR COVID-19 RECOVERY AND SUSTAINABLE LAND GOVERNANCE.

K163. METROPOLITAN KOLKATA URBAN TRANSPORT AND SPATIAL PLANNING

GRANT TITLE	METROPOLITAN KOLKATA URBAN TRANSPORT AND SPATIAL PLANNING
REGION	SAR
COUNTRIES	INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 8 (2020)
AMOUNT	$400,000
STATUS	ACTIVE / APPROVED IN 2020
PROGRAM GOAL	THE PROJECT DEVELOPMENT OBJECTIVES (PDO) ARE TO (I) IMPROVE THE EFFICIENCY AND SAFETY OF PASSENGER AND FREIGHT MOVEMENT ACROSS THE HOOGHLY RIVER; AND (II) ESTABLISH A SPATIAL PLANNING FRAMEWORK TO ENHANCE ACCESSIBILITY WITHIN KOLKATA METROPOLITAN AREA. THE PROPOSED ASSISTANCE UNDER KGGTF WILL CONDUCT A SERIES OF TECHNICAL STUDIES ON GREEN GROWTH THAT CAN PROVIDE INPUT TO THE DESIGN OF THE WEST BENGAL INLAND WATER TRANSPORT, LOGISTICS AND SPATIAL DEVELOPMENT PROJECT AND TO THE INLAND WATER TRANSPORT (IWT) SECTOR REFORM IT PROPAGATES, COMPLEMENTING THE ANALYTICAL WORK BEING DONE UNDER THE PROJECT. THE KGGTF ACTIVITIES WILL PROVIDE CRITICAL GREEN GROWTH ANALYTICS AND STRATEGY TO THE PROJECT'S INVESTMENTS, WHICH WILL INTEGRATE URBAN PLANNING, ECONOMIC DEVELOPMENT, AND ENVIRONMENTAL RESILIENCE, SUPPORT DATA-DRIVEN DECISION MAKING, AND FURTHER KNOWLEDGE EXCHANGE BETWEEN WEST BENGAL AND KOREA. IWT HAS ENORMOUS POTENTIAL TO SUSTAINABLY CONNECT THE CITY, AND WATERFRONT RESTORATION CAN PLAY A CRITICAL ROLE IN FLOOD DEFENSE, PROTECTING THE CITY, AND MANAGING FLOODING RISKS. KOLKATA HAS THE OPPORTUNITY TO BECOME A GREEN GROWTH BEST

	PRACTICE OF HOW TO MITIGATE FLOODING WHILE PROVIDING RIVERFRONT ACCESSIBILITY AND LOW-CARBON TRANSPORT.
KEY RESULT	DEVELOPED AN INSTITUTIONAL ASSESSMENT REPORT AND A DRAFT WATERFRONT MANAGEMENT ASSESSMENT TO GUIDE SUSTAINABLE URBAN DEVELOPMENT. ASSESSED URBAN AREAS AROUND PRIORITY JETTY GHATS AND PREPARED CONCEPT DESIGNS FOR URBAN UPGRADING. LEVERAGED EXPERTISE FROM KOREAN PARTNERS TO INTEGRATE IWT SOLUTIONS, SMART CITY PLANNING, AND DISASTER RISK MANAGEMENT, SUPPORTING RESILIENT WATERFRONT DEVELOPMENT AND IMPROVED PASSENGER AND FREIGHT TRANSPORT CONNECTIVITY.

K162. BUILDING COASTAL RESILIENCE IN ASUNCION THROUGH CLIMATE SMART SOLUTIONS

GRANT TITLE	BUILDING COASTAL RESILIENCE IN ASUNCION THROUGH CLIMATE SMART SOLUTIONS
REGION	LAC
COUNTRIES	PARAGUAY
SECTOR	□ URBAN
PROGRAM YEAR	YEAR 8 (2020)
AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2020
PROGRAM GOAL	THE PROPOSED PROGRAM WILL SUPPORT 1) THE PREPARATION OF A HOLISTIC MULTI SECTORAL URBAN OPERATION, COMBINING THE PRESERVATION OF STRATEGIC NATURAL RESERVOIRS, THE CONSTRUCTION OF PUBLIC SPACE AND SOCIAL HOUSING, AND THE PRESERVATION OF CULTURAL HERITAGE; AND 2) THE SCOPING OF PRIVATE CAPITAL PARTICIPATION OPPORTUNITIES IN A STRATEGIC AREA IN LOS BAÑADOS THAT COULD HELP THE GOVERNMENT CROSS-SUBSIDIZE INVESTMENTS AND INCREASE OWN SOURCE REVENUES. THESE ACTIVITIES ALIGN WITH THE URBAN, SOCIAL, AND WATER GPS STRATEGIES FOR GREEN GROWTH OPERATIONALIZATION TO BUILD MORE RESILIENT, CLIMATE- SMART CITIES. THIS HOLDS IN A POST-COVID-19 CONTEXT, WHERE ISSUES SUCH AS DENSITY, LIVING CONDITIONS, AND LIMITED ACCESS TO SERVICES AND INFRASTRUCTURE WILL BE VITAL IN MANAGING THE PANDEMIC RISKS IN THE URBAN POOR.
KEY RESULT	PRODUCED A DIGITAL DISTRICT INTEGRATION REPORT, DSS PROPOSALS, AND MULTIPLE PRE-DESIGN PROPOSALS FOR LOS BAÑADOS, INCLUDING THE HISTORIC CENTER, BANCO SAN MIGUEL, ECO-INCLUSIVE DISTRICT, AND PARQUE CABALLERO. DEVELOPED A CONCEPTUAL DESIGN REPORT AND TOR FOR REAL ESTATE MARKET ASSESSMENT, LEVERAGING KOICA

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	AND IDB COLLABORATION TO INTEGRATE NATURE-BASED SOLUTIONS AND SUSTAINABLE URBAN PLANNING STRATEGIES.

K161. STRENGTHENING THE SENEGALESE SPATIAL DATA INFRASTRUCTURE

GRANT TITLE	STRENGTHENING THE SENEGALESE SPATIAL DATA INFRASTRUCTURE
REGION	AFR
COUNTRIES	SENEGAL
SECTOR	URBAN
PROGRAM YEAR	YEAR 8 (2020)
AMOUNT	$500,000
STATUS	ACTIVE / APPROVED IN 2020
PROGRAM GOAL	THIS GRANT SUPPORTS THE SENEGAL CADASTER AND LAND TENURE IMPROVEMENT PROJECT, WHICH AIMS TO BUILD THE GOVERNMENT'S CAPACITY TO IMPLEMENT A NATIONAL CADASTER AND INCREASE THE NUMBER OF REGISTERED LAND RIGHTS ACROSS ALL 136 MUNICIPALITIES. TO ENSURE EFFECTIVE AND SUSTAINABLE LAND DATA MANAGEMENT, THE GRANT WILL ALSO STRENGTHEN THE SENEGALESE SPATIAL DATA INFRASTRUCTURE THROUGH A SERIES OF ANALYTICAL ACTIVITIES, TRAINING, OUTREACH EVENTS, AND A KNOWLEDGE EXCHANGE AIMED AT LEVERAGING KOREAN EXPERTISE TO ENHANCE THE CONDITIONS NECESSARY FOR SUCH AN ECOSYSTEM TO FLOURISH.
KEY RESULT	CONDUCTED A STUDY TOUR IN SEOUL FOR 12 SENEGALESE PARTICIPANTS, SHARING EXPERTISE ON CADASTRAL SYSTEMS, STRATEGIC DEVELOPMENT PLANNING, GEOSPATIAL PLATFORM SERVICES, AND DRONE-BASED DATA EXPLOITATION. PRODUCED BASELINE ASSESSMENT, GAPD, AND SEIA REPORTS, ALONG WITH AN ACTION PLAN AND STUDY TOUR SUMMARY, LEVERAGING PARTNERSHIPS WITH LX, KRIHS, SPACE N, WAVUS, AND HOJUNG SOLUTIONS TO ENHANCE SENEGAL'S GEOSPATIAL DATA INTEGRATION AND POLICY ALIGNMENT.

K141. GEOSPATIAL INFORMATION MANAGEMENT FOR GREEN GROWTH OPERATIONALIZATION (GIMGGO)

GRANT TITLE	GEOSPATIAL INFORMATION MANAGEMENT FOR GREEN GROWTH OPERATIONALIZATION (GIMGGO)
REGION	GLOBAL
COUNTRIES	LAO PDR, COLOMBIA, MONGOLIA, CÔTE D'IVOIRE
SECTOR	URBAN
PROGRAM YEAR	YEAR 7 (2019)
AMOUNT	$111,170.17

STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMS TO OPERATIONALIZE GREEN GROWTH BY INTEGRATING GEOSPATIAL INFORMATION MANAGEMENT (GIM) INTO NATIONAL STRATEGIES, ENSURING SUSTAINABLE USE OF NATURAL RESOURCES WHILE ENHANCING LIVELIHOODS AND RESILIENCE. BY COMBINING IGIF AND THE WORLD BANK'S GIM TOOLKIT WITH KOREAN EXPERTISE, IT DEVELOPS COUNTRY-LEVEL ACTION PLANS, STRENGTHENS INSTITUTIONAL CAPACITY, AND ENABLES EVIDENCE-BASED DECISION-MAKING TO IMPROVE EFFICIENCY, RESILIENCE, AND COMPETITIVENESS ACROSS SECTORS.
KEY RESULT	ENHANCED THE IGIF TOOLKIT WITH GREEN GROWTH PRINCIPLES AND DEVELOPED COUNTRY-LEVEL ACTION PLANS IN FOUR NATIONS, EMBEDDING GEOSPATIAL INFORMATION IN NATIONAL STRATEGIES. STRENGTHENED INSTITUTIONAL CAPACITY BY TRAINING POLICYMAKERS AND TECHNICAL STAFF THROUGH KOREAN PARTNERSHIPS WITH LX, NGII, AND KRIHS. ENABLED EVIDENCE-BASED PLANNING THAT SUPPORTED CLIMATE RESILIENCE, URBAN DEVELOPMENT, AND RESOURCE MANAGEMENT, WHILE LEVERAGING FOLLOW-ON INVESTMENTS THAT POSITIONED GEOSPATIAL INFORMATION AS CORE INFRASTRUCTURE FOR SUSTAINABLE GROWTH.

K140. GREENING URBAN DEVELOPMENT IN BAMAKO (MALI)

GRANT TITLE	GREENING URBAN DEVELOPMENT IN BAMAKO (MALI)
REGION	AFR
COUNTRIES	MALI
SECTOR	URBAN
PROGRAM YEAR	YEAR 7 (2019)
AMOUNT	$500,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO TRANSFORM BAMAKO'S URBAN DEVELOPMENT BY ADDRESSING SPATIAL FRAGMENTATION, INSTITUTIONAL WEAKNESSES, AND INADEQUATE SERVICE DELIVERY. BY CREATING A DIGITAL MAPPING PLATFORM, SUPPORTING THE URBAN MASTER PLAN, AND STRENGTHENING INSTITUTIONAL CAPACITY, THE INITIATIVE SOUGHT TO PROMOTE COMPACT GROWTH, GREENER INFRASTRUCTURE, AND MORE INCLUSIVE PLANNING. ULTIMATELY, THE PROJECT INTENDED TO ENHANCE EFFICIENCY, RESILIENCE, AND COMPETITIVENESS TO GUIDE $250M PIPELINE LENDING FOR SUSTAINABLE METROPOLITAN DEVELOPMENT.

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KEY RESULT	DEVELOPED BAMAKO'S FIRST METROPOLITAN-SCALE DIGITAL PLATFORM INTEGRATING LAND USE, TRANSPORT, AND RISK DATA, ENGAGING COMMUNITIES AND UNIVERSITIES IN EVIDENCE-BASED PLANNING. STRENGTHENED INSTITUTIONAL CAPACITY OF LOCAL AND NATIONAL AGENCIES WITH KOREAN PARTNERS (KRIHS, LH, SEOUL METROPOLITAN GOVERNMENT), ENABLING AREA-BASED INVESTMENT STRATEGIES AND FEASIBILITY STUDIES FOR GREEN INFRASTRUCTURE. ENHANCED URBAN PLANNING COORDINATION AND INFORMED THE $250M PIPELINE LENDING, LAYING FOUNDATIONS FOR COMPACT, CLIMATE-RESILIENT, AND COMPETITIVE URBAN GROWTH.

K131. FOSTERING GREEN GROWTH IN FRAGILE STATES

GRANT TITLE	FOSTERING GREEN GROWTH IN FRAGILE STATES
REGION	GLOBAL
COUNTRIES	MYANMAR, KOSOVO, PAKISTAN
SECTOR	URBAN
PROGRAM YEAR	YEAR 6 (2018)
AMOUNT	$800,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO SUPPORT FRAGILE AND CONFLICT-AFFECTED STATES, BEGINNING WITH MYANMAR, BY INTRODUCING GEOSPATIAL INFRASTRUCTURE, DATA, AND ANALYTICS TO OPERATIONALIZE GREEN GROWTH. THROUGH TECHNICAL ASSISTANCE, STRATEGY DEVELOPMENT, AND KNOWLEDGE EXCHANGE WITH KOREAN INSTITUTIONS, THE INITIATIVE SOUGHT TO STRENGTHEN PLANNING, POLICY, AND MONITORING CAPACITIES, ENSURE SUSTAINABLE USE OF NATURAL RESOURCES, AND PROMOTE INCLUSIVE ECONOMIC GROWTH WHILE PROTECTING LIVELIHOODS AND INCREASING RESILIENCE TO CLIMATE AND ENVIRONMENTAL RISKS.
KEY RESULT	DEVELOPED GEOSPATIAL DATASETS AND STRATEGY PAPERS THAT IMPROVED ENVIRONMENTAL PLANNING, RESOURCE MANAGEMENT, AND CLIMATE RESILIENCE IN FRAGILE STATES. ENABLED GOVERNMENTS TO DESIGN ACTION PLANS FOR DISASTER RISK, POLLUTION CONTROL, AND SUSTAINABLE LAND USE. STRENGTHENED INSTITUTIONAL CAPACITY THROUGH STUDY VISITS AND KNOWLEDGE EXCHANGES WITH LX, GTC-K, AND KRIHS, ENHANCING DECISION-MAKING FOR GREEN GROWTH INVESTMENTS. FOSTERED INNOVATION BY IMPROVING

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	WORKFORCE SKILLS AND PROMOTING PRIVATE SECTOR ENGAGEMENT IN RESILIENT, LOW-CARBON DEVELOPMENT.

K108. SUPPORTING GREEN GROWTH URBAN DEVELOPMENT AND PLANNING PROCESSES IN NEPAL

GRANT TITLE	SUPPORTING GREEN GROWTH URBAN DEVELOPMENT AND PLANNING PROCESSES IN NEPAL
REGION	SAR
COUNTRIES	NEPAL
SECTOR	URBAN
PROGRAM YEAR	YEAR 5 (2017)
AMOUNT	$400,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO EMBED GREEN GROWTH PRINCIPLES INTO NEPAL'S INFRASTRUCTURE INVESTMENTS BY STRENGTHENING MUNICIPAL CAPACITY, PROMOTING SUSTAINABLE URBAN PLANNING, AND CREATING FRAMEWORKS FOR STRATEGIC INVESTMENTS ACROSS 16 SECONDARY CITIES. LEVERAGING KOREAN EXPERTISE, IT SOUGHT TO ADDRESS INEFFICIENCIES IN SERVICE DELIVERY, MANAGE RAPID URBANIZATION, AND SUPPORT RESILIENT, COMPACT CITY DEVELOPMENT THROUGH SMART LAND USE PLANS AND METROPOLITAN STRATEGIES.
KEY RESULT	DEVELOPED A GREEN GROWTH FRAMEWORK AND URBAN REGENERATION STRATEGIES THAT GUIDED INVESTMENT PLANNING IN 16 SECONDARY CITIES. STRENGTHENED MUNICIPAL CAPACITY THROUGH ADVISORY GROUPS, BASELINE DATA SYSTEMS, AND STUDY VISITS WITH KRIHS AND SEOUL METROPOLITAN GOVERNMENT. ENABLED INTEGRATION OF RESILIENCE AND SUSTAINABILITY INTO CITY-LEVEL PLANNING, INFLUENCING NEPAL'S NATIONAL URBAN DEVELOPMENT STRATEGY AND LEVERAGING POTENTIAL FINANCING FROM ADB, AIIB, AND GCF FOR GREEN INFRASTRUCTURE.

K107. GREENING URBAN GROWTH IN METROPOLITAN BUENOS AIRES

GRANT TITLE	GREENING URBAN GROWTH IN METROPOLITAN BUENOS AIRES
REGION	LAC
COUNTRIES	ARGENTINA
SECTOR	URBAN
PROGRAM YEAR	YEAR 5 (2017)

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AMOUNT	$300,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM SUPPORTED ARGENTINA IN TRANSFORMING URBAN INFRASTRUCTURE AND TRANSPORT PLANNING IN THE BUENOS AIRES METROPOLITAN AREA (AMBA) BY INTEGRATING LAND USE, HOUSING, AND TRANSPORT STRATEGIES. IT AIMED TO REDEVELOP THE REGIONAL EXPRESS PASSENGER RAILWAY NETWORK, PILOT TRANSIT-ORIENTED DEVELOPMENT (TOD), AND PROMOTE URBAN FREIGHT SOLUTIONS. THE INITIATIVE SOUGHT TO REDUCE GHG EMISSIONS, ADDRESS URBAN SPRAWL, AND ENHANCE ACCESSIBILITY FOR 40% OF URBAN RESIDENTS THROUGH SUSTAINABLE AND INCLUSIVE MOBILITY.
KEY RESULT	DEVELOPED PREPARATORY AND STRUCTURING STUDIES THAT INFORMED ARGENTINA'S $200M LENDING OPERATION FOR THE REGIONAL EXPRESS RAILWAY NETWORK. ADVANCED A TOD PILOT PROJECT WITH POLICIES, ROADMAPS, AND LAND VALUE CAPTURE INSTRUMENTS TO GUIDE COMPACT, MIXED-USE DEVELOPMENT. STRENGTHENED INSTITUTIONAL CAPACITY FOR INTEGRATED LAND-USE AND TRANSPORT PLANNING, LEVERAGING KOREAN EXPERTISE FROM KRIHS, KOTI, AND MOLIT. ENABLED REPLICATION POTENTIAL ACROSS ARGENTINA AND LATIN AMERICA, PROMOTING SUSTAINABLE TRANSPORT, RESILIENCE, AND PRIVATE SECTOR INVESTMENT.

K106. LAND RECORDS AND GEO-SPATIAL INFORMATION SYSTEMS LINKED TO GREEN GROWTH (LRGIGG)

GRANT TITLE	LAND RECORDS AND GEO-SPATIAL INFORMATION SYSTEMS LINKED TO GREEN GROWTH (LRGIGG)
REGION	GLOBAL
COUNTRIES	HONDURAS, EL SAVLADOR, PARAGUAY, PAKISTAN, UGANDA, BURKINA FASO
SECTOR	URBAN
PROGRAM YEAR	YEAR 5 (2017)
AMOUNT	$600,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN LAND GOVERNANCE IN HONDURAS, NICARAGUA, GRENADA, SAINT LUCIA, AND PAKISTAN BY DEVELOPING CADASTER-CENTRIC GEOSPATIAL LAND INFORMATION SYSTEMS. IT SOUGHT TO EMBED GREEN GROWTH PRINCIPLES INTO LAND AND RESOURCE MANAGEMENT THROUGH ICT PLATFORMS, ENABLING SMARTER DECISION-MAKING ON DEFORESTATION, BIODIVERSITY PROTECTION, WATER MANAGEMENT, AND URBAN

	PLANNING. BY LEVERAGING KOREAN EXPERTISE, THE PROGRAM SUPPORTED INSTITUTIONAL CAPACITY BUILDING, STAKEHOLDER ENGAGEMENT, AND E-GOVERNMENT INTEGRATION FOR SUSTAINABLE, RESILIENT DEVELOPMENT.
KEY RESULT	ESTABLISHED PILOT ICT-ENABLED LAND AND GEOSPATIAL INFORMATION SYSTEMS THAT IMPROVED PLANNING AND MONITORING FOR NATURAL RESOURCE MANAGEMENT ACROSS FIVE COUNTRIES. DEVELOPED ACTION PLANS AND RESILIENCE GUIDELINES THAT INFORMED NATIONAL POLICIES ON LAND USE, DEFORESTATION, AND DISASTER RISK MANAGEMENT. STRENGTHENED INSTITUTIONAL CAPACITY THROUGH TRAINING AND KNOWLEDGE EXCHANGES WITH MOLIT, LX, NGII, AND KRIHS, WHILE PROMOTING PRIVATE SECTOR PARTICIPATION. ENABLED GOVERNMENTS TO ADOPT E-GOVERNMENT PLATFORMS, IMPROVING TRANSPARENCY, EFFICIENCY, AND COMPETITIVENESS IN LAND ADMINISTRATION.

K105. LEVERAGING GREEN GROWTH FOR BALANCED SPATIAL DEVELOPMENT IN UZBEKISTAN

GRANT TITLE	LEVERAGING GREEN GROWTH FOR BALANCED SPATIAL DEVELOPMENT IN UZBEKISTAN
REGION	ECA
COUNTRIES	UZBEKISTAN
SECTOR	URBAN
PROGRAM YEAR	YEAR 5 (2017)
AMOUNT	$300,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO EMBED INCLUSIVE GREEN GROWTH PRINCIPLES INTO UZBEKISTAN'S NATIONAL URBAN AND SPATIAL DEVELOPMENT AGENDA, STRENGTHENING BOTH INSTITUTIONAL FRAMEWORKS AND OPERATIONAL INVESTMENTS. IT SOUGHT TO BUILD POLICY DIALOGUE, ENHANCE MUNICIPAL CAPACITY, AND DESIGN DEMONSTRATION PROJECTS THAT SHOWCASED SUSTAINABLE INFRASTRUCTURE AND SERVICES. BY LEVERAGING SMART URBAN PLANNING, ICT TOOLS, AND KOREAN EXPERTISE, THE INITIATIVE PROMOTED EFFICIENT, RESILIENT, AND COMPETITIVE MEDIUM-SIZED CITIES ALIGNED WITH LONG-TERM SUSTAINABLE GROWTH.
KEY RESULT	DELIVERED UZBEKISTAN'S FIRST URBAN AND SPATIAL DEVELOPMENT STRATEGIC FRAMEWORK INCORPORATING GREEN GROWTH PRINCIPLES, ALONGSIDE POLICY NOTES AND INVESTMENT ASSESSMENTS THAT GUIDED THE $100M MSCIUD PROJECT. ENABLED KNOWLEDGE EXCHANGES WITH KRIHS AND LX, STRENGTHENING

	INSTITUTIONAL CAPACITY AND MUNICIPAL ASSET MANAGEMENT SYSTEMS. EMBEDDED GREEN GROWTH INTO NATIONAL PLANNING PROCESSES, IMPROVING RESILIENCE, EFFICIENCY, AND COMPETITIVENESS, WHILE SECURING CO-FINANCING AND LAYING THE GROUNDWORK FOR CLIMATE-SMART INFRASTRUCTURE INVESTMENTS.

K104. CITY PLANNING LABS AND SPATIAL PLANNING

GRANT TITLE	CITY PLANNING LABS AND SPATIAL PLANNING
REGION	EAP
COUNTRIES	INDONESIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 5 (2017)
AMOUNT	$200,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN DATA-DRIVEN AND INTEGRATED SPATIAL PLANNING IN INDONESIAN CITIES BY ESTABLISHING ROBUST MUNICIPAL SPATIAL DATA INFRASTRUCTURE (MSDI). IT SOUGHT TO OVERCOME GAPS IN URBAN PLANNING BY INTEGRATING COMMUNITY-BASED DATA, INCLUDING SLUM MAPPING, WITH NATIONAL LAND ADMINISTRATION SYSTEMS, WHILE LEVERAGING EARTH OBSERVATION TOOLS. THE INITIATIVE PRIORITIZED INCLUSIVE PLANNING, EFFICIENT SERVICE DELIVERY, AND RESILIENT URBAN DEVELOPMENT TO FOSTER MORE STRATEGIC, CLIMATE-SMART, AND COMPETITIVE CITIES.
KEY RESULT	ESTABLISHED MSDI PLATFORMS IN PILOT CITIES, LINKING MUNICIPAL DATA WITH THE NATIONAL LAND ADMINISTRATION DATABASE AND INTEGRATING COMMUNITY-GENERATED SLUM MAPS INTO PLANNING PROCESSES. ENABLED EVIDENCE-BASED URBAN PLANNING THROUGH MULTIDIMENSIONAL ANALYSES OF SPATIAL INEQUALITIES, IMPROVING EFFICIENCY IN SERVICE DELIVERY AND INFRASTRUCTURE INVESTMENT. STRENGTHENED INSTITUTIONAL CAPACITY OF LOCAL GOVERNMENTS, WITH SUPPORT FROM SEOUL METROPOLITAN GOVERNMENT AND LX, CREATING REPLICABLE MODELS FOR RESILIENT, INCLUSIVE, AND COMPETITIVE URBAN GROWTH ACROSS INDONESIA.

K103. IMPROVING SOLID WASTE MANAGEMENT IN AFRICAN CITIES

GRANT TITLE	IMPROVING SOLID WASTE MANAGEMENT IN AFRICAN CITIES
REGION	AFR
COUNTRIES	REGIONAL (SUB-SAHARAN AFRICA)
SECTOR	URBAN

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PROGRAM YEAR	YEAR 5 (2017)
AMOUNT	$500,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO TRANSFORM SOLID WASTE MANAGEMENT (SWM) SYSTEMS IN SUB-SAHARAN AFRICAN CITIES BY HELPING DECISION-MAKERS IMPLEMENT EFFECTIVE POLICIES, INSTITUTIONAL REFORMS, AND SUSTAINABLE FINANCING MECHANISMS. BY CONDUCTING SECTOR ASSESSMENTS, DEVELOPING STRATEGIC RECOMMENDATIONS, AND FACILITATING KNOWLEDGE SHARING, THE INITIATIVE SOUGHT TO REDUCE ENVIRONMENTAL AND HEALTH RISKS, ENHANCE RESILIENCE, AND CREATE INCLUSIVE ECONOMIC OPPORTUNITIES THROUGH EFFICIENT AND SUSTAINABLE WASTE MANAGEMENT PRACTICES, LEVERAGING KOREAN EXPERTISE AND GLOBAL BEST PRACTICES.
KEY RESULT	DELIVERED MUNICIPAL SWM ASSESSMENTS AND POLICY RECOMMENDATIONS IN FIVE AFRICAN COUNTRIES, ENABLING GOVERNMENTS TO INTEGRATE GREEN GROWTH APPROACHES INTO WASTE MANAGEMENT PROJECTS. STRENGTHENED INSTITUTIONAL CAPACITY THROUGH STUDY TOURS AND WORKSHOPS WITH KEI AND KECO, IMPROVING LANDFILL MANAGEMENT AND PRIVATE SECTOR PARTICIPATION. FACILITATED KNOWLEDGE EXCHANGE ACROSS CITIES, WHICH SUPPORTED PIPELINE LENDING IN SENEGAL AND MAURITANIA, ATTRACTED FURTHER INVESTMENT, AND ADVANCED SUSTAINABLE, RESILIENT, AND INCLUSIVE SWM SYSTEMS THAT REDUCED POLLUTION AND GENERATED JOBS.

K84. GREENING GROWTH FOR THE DISPLACED IN JORDAN

GRANT TITLE	GREENING GROWTH FOR THE DISPLACED IN JORDAN
REGION	MNA
COUNTRIES	JORDAN
SECTOR	URBAN
PROGRAM YEAR	YEAR 4 (2016)
AMOUNT	$600,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO HELP JORDAN INTEGRATE GREEN GROWTH PRINCIPLES INTO URBAN EXPANSION AND REGIONAL DEVELOPMENT WHILE ADDRESSING PRESSURES FROM RAPID POPULATION GROWTH AND REFUGEE INFLOWS. BY STRENGTHENING GOVERNMENT CAPACITY, PREPARING URBAN GROWTH SCENARIOS, AND

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	CONDUCTING REGIONAL ECONOMIC ANALYSIS, THE INITIATIVE SOUGHT TO IMPROVE PUBLIC SERVICES, PROMOTE SUSTAINABLE JOB CREATION, AND EMBED RESILIENCE AND INCLUSIVITY INTO THE WORLD BANK'S BROADER INVESTMENT PORTFOLIO FOR JORDAN.
KEY RESULT	DEVELOPED COSTED URBAN GROWTH SCENARIOS AND REGIONAL ECONOMIC MODELS THAT INFORMED JORDAN'S SPATIAL PLANNING AND INVESTMENT PRIORITIES. STRENGTHENED INSTITUTIONAL CAPACITY THROUGH STUDY TOURS AND KNOWLEDGE EXCHANGE WITH KOREAN PARTNERS, ENABLING REPLICATION OF GREEN GROWTH METHODOLOGIES. IDENTIFIED FEASIBLE LOCATIONS FOR JOB CENTERS, LINKING REFUGEE INTEGRATION WITH REGIONAL DEVELOPMENT STRATEGIES. MAINSTREAMED GREEN GROWTH PRINCIPLES INTO LENDING OPERATIONS, LEVERAGING ADDITIONAL FINANCING AND POSITIONING JORDAN FOR MORE SUSTAINABLE AND INCLUSIVE URBAN EXPANSION.

K83. GREEN KARACHI THROUGH IMPROVED SERVICE DELIVERY SYSTEM

GRANT TITLE	GREEN KARACHI THROUGH IMPROVED SERVICE DELIVERY SYSTEM
REGION	SAR
COUNTRIES	PAKISTAN
SECTOR	URBAN
PROGRAM YEAR	YEAR 4 (2016)
AMOUNT	$500,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO TRANSFORM KARACHI INTO A LIVABLE, COMPETITIVE, AND INCLUSIVE GLOBAL CITY BY ADDRESSING SOLID WASTE MANAGEMENT, URBAN REVITALIZATION, AND SOCIAL INCLUSION. BUILDING ON THE KARACHI TRANSFORMATION STRATEGY, IT SOUGHT TO IMPROVE SERVICE DELIVERY, ENHANCE PEDESTRIAN CONNECTIVITY, AND UPGRADE HISTORIC DISTRICTS. THROUGH STRATEGIC PLANNING, CAPACITY BUILDING, AND COLLABORATION WITH KOREAN PARTNERS, THE INITIATIVE PROMOTED GREEN INTERVENTIONS AND RESILIENT INFRASTRUCTURE FOR SUSTAINABLE URBAN GROWTH.
KEY RESULT	INTRODUCED SOLID WASTE MANAGEMENT IMPLEMENTATION PLANS AND URBAN UPGRADING STRATEGIES THAT INFORMED FUTURE LENDING OPERATIONS. ESTABLISHED A SOCIAL INCLUSION FRAMEWORK TARGETING VULNERABLE GROUPS, IMPROVING EQUITY IN URBAN DEVELOPMENT. COLLABORATED WITH KRIHS TO INTEGRATE TRAFFIC MANAGEMENT, WALKABILITY, AND REVITALIZATION OF

	HISTORIC DISTRICTS INTO CITY PLANNING. STRENGTHENED INSTITUTIONAL CAPACITY AND RESILIENCE BY ADDRESSING URBAN FLOODING RISKS, WHILE LEVERAGING KGGTF SUPPORT TO POSITION KARACHI FOR LONG-TERM COMPETITIVENESS AND SUSTAINABLE GROWTH.

K80. GREEN REGIONAL DEVELOPMENT PLAN FOR GROWTH CENTERS IN INDIA

GRANT TITLE	GREEN REGIONAL DEVELOPMENT PLAN FOR GROWTH CENTERS IN INDIA
REGION	SAR
COUNTRIES	INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$350,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO PREPARE A COMPREHENSIVE GREEN AND SMART REGIONAL DEVELOPMENT STRATEGY TO MANAGE INDIA'S RAPID PERI-URBAN GROWTH, FOCUSING ON BHOPAL–INDORE AND THANE–PUNE CORRIDORS. IT SOUGHT TO PROMOTE SUSTAINABLE ECONOMIC DEVELOPMENT, JOB CREATION, AND URBAN–RURAL INTEGRATION WHILE PROTECTING AGRICULTURAL LAND. BY DEVELOPING ACTIONABLE LAND USE, INFRASTRUCTURE, AND INVESTMENT STRATEGIES, THE INITIATIVE ENGAGED GOVERNMENTS AND LEVERAGED KOREAN EXPERTISE TO INFORM WORLD BANK AND GLOBAL SPATIAL DEVELOPMENT PROGRAMS.
KEY RESULT	FORMULATED GREEN REGIONAL DEVELOPMENT STRATEGIES FOR MADHYA PRADESH AND MAHARASHTRA THAT INTEGRATED LAND USE, TRANSPORT, AND INFRASTRUCTURE PLANNING. ENGAGED STATE GOVERNMENTS TO ADOPT DRAFT DEVELOPMENT STRATEGIES, CREATING A FOUNDATION FOR FUTURE WORLD BANK AND PARTNER INVESTMENTS. COLLABORATED WITH KRIHS, SEOUL METROPOLITAN GOVERNMENT, AND KOTI TO TRANSFER BEST PRACTICES ON METROPOLITAN PLANNING AND NEW TOWN DEVELOPMENT. INFORMED GLOBAL SPATIAL DEVELOPMENT INITIATIVES, INCLUDING LESSONS FROM THE AMRITSAR–KOLKATA FREIGHT CORRIDOR, TO STRENGTHEN INDIA'S SUSTAINABLE URBANIZATION POLICIES.

K79. TRANSFORMING CITIES THROUGH PUBLIC SPACE

GRANT TITLE	TRANSFORMING CITIES THROUGH PUBLIC SPACE
REGION	SAR

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COUNTRIES	SRI LANKA, BANGLADESH, AND INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$600,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO TRANSFORM SOUTH ASIAN CITIES BY INTEGRATING PUBLIC SPACES—SUCH AS PARKS, SQUARES, AND WATERFRONTS—INTO URBAN DEVELOPMENT AS DRIVERS OF INCLUSIVE GREEN GROWTH. BY LEVERAGING WELL-PLANNED PUBLIC SPACES, THE INITIATIVE SOUGHT TO STIMULATE ECONOMIC GROWTH, ENHANCE SOCIAL INCLUSION, AND STRENGTHEN ENVIRONMENTAL STEWARDSHIP, PARTICULARLY IN UNDERSERVED NEIGHBORHOODS. THE GRANT ALSO GENERATED EVIDENCE TO MAINSTREAM PUBLIC SPACE DEVELOPMENT INTO WORLD BANK OPERATIONS AND SCALE IT AS A NEW BUSINESS LINE.
KEY RESULT	DEMONSTRATED HOW HIGH-QUALITY PUBLIC SPACE DESIGN ENHANCED ECONOMIC VALUE, SOCIAL INCLUSION, AND ENVIRONMENTAL SUSTAINABILITY IN SOUTH ASIAN CITIES. STRENGTHENED CLIENT COMMITMENT, AS EVIDENCED BY THE DHAKA WATERFRONT INITIATIVE, WHICH INTEGRATED RIVERFRONT REVITALIZATION WITH CRITICAL WATER INFRASTRUCTURE. INFORMED WORLD BANK PROJECTS AND FUTURE PIPELINE OPERATIONS BY EMBEDDING PUBLIC SPACE PLANNING INTO URBAN STRATEGIES. POSITIONED PUBLIC SPACE DEVELOPMENT AS A REPLICABLE TOOL FOR INCLUSIVE GREEN GROWTH, CATALYZING LONG-TERM POLICY ADOPTION AND INVESTMENT IN LIVABLE, RESILIENT CITIES.

K78. CAIRO SMART SERVICE DELIVERY PROJECT

GRANT TITLE	CAIRO SMART SERVICE DELIVERY PROJECT
REGION	MNA
COUNTRIES	EGYPT
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$ 143,750
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO EQUIP GREATER CAIRO WITH THE SKILLS, KNOWLEDGE, AND GOVERNANCE FRAMEWORK NECESSARY TO IMPLEMENT A GREEN GROWTH STRATEGY ALIGNED WITH EGYPT'S 2030 SUSTAINABLE DEVELOPMENT STRATEGY AND THE PARIS AGREEMENT. BY ADDRESSING SEVERE AIR POLLUTION, TRAFFIC CONGESTION, AND WEAK METROPOLITAN GOVERNANCE, THE INITIATIVE SOUGHT TO STRENGTHEN

	INSTITUTIONAL CAPACITY, IMPROVE DATA-DRIVEN DECISION-MAKING, AND ENABLE GREENER, MORE INCLUSIVE, AND EFFICIENT SERVICE DELIVERY FOR CAIRO'S 20 MILLION RESIDENTS.
KEY RESULT	DEVELOPED A METROPOLITAN GREEN GROWTH FRAMEWORK THAT IMPROVED INSTITUTIONAL COORDINATION ACROSS CAIRO'S GOVERNORATES AND DISTRICTS. STRENGTHENED TECHNICAL CAPACITY FOR EVIDENCE-BASED PLANNING THROUGH ENHANCED DATA SYSTEMS, ENABLING BETTER POLICY AND INVESTMENT DECISIONS. SUPPORTED INTEGRATION OF SUSTAINABLE TRANSPORT AND SERVICE DELIVERY REFORMS THAT INFORMED CAIRO'S 2030 DEVELOPMENT PRIORITIES. POSITIONED CAIRO TO ADOPT GREENER URBAN PRACTICES THAT REDUCE EMISSIONS, IMPROVE PUBLIC HEALTH, AND FOSTER MORE INCLUSIVE AND EFFICIENT METROPOLITAN GROWTH.

K77. STRENGTHENING URBAN MANAGEMENT IN MEXICAN CITIES

GRANT TITLE	STRENGTHENING URBAN MANAGEMENT IN MEXICAN CITIES
REGION	LAC
COUNTRIES	MEXICO
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$ 250,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO CURB URBAN SPRAWL IN MEXICO BY EMBEDDING GREEN GROWTH PRINCIPLES INTO URBAN RENOVATION AND HOUSING POLICIES. BY SUPPORTING THE INNER-CITY AFFORDABLE HOUSING PROGRAM, THE INITIATIVE SOUGHT TO REFORM HOUSING SUBSIDIES, PRIORITIZE AFFORDABLE HOUSING IN MIXED-USE AND TRANSIT-ORIENTED AREAS, AND ESTABLISH FRAMEWORKS FOR URBAN REGENERATION. THE ULTIMATE GOAL WAS TO CREATE SUSTAINABLE, INCLUSIVE CITIES THAT PROTECT THE ENVIRONMENT, ENHANCE LIVABILITY, AND IMPROVE ECONOMIC OPPORTUNITIES FOR VULNERABLE POPULATIONS.
KEY RESULT	STRENGTHENED INSTITUTIONAL CAPACITY IN PILOT CITIES BY ESTABLISHING FEASIBLE FRAMEWORKS FOR URBAN RENOVATION AND PREPARING DETAILED CITY-LEVEL REGENERATION PLANS. ENABLED THE DESIGN AND IMPLEMENTATION OF MEXICO'S INNER-CITY AFFORDABLE HOUSING PROGRAM, LEVERAGING $800 MILLION IN FINANCING, INCLUDING A $200 MILLION WORLD BANK LOAN AND $600 MILLION IN GOVERNMENT FUNDING, PLUS $5 MILLION FROM GEF. ADVANCED GREEN AND INCLUSIVE URBAN GROWTH BY

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	ALIGNING HOUSING SUBSIDIES WITH SUSTAINABLE DEVELOPMENT, FOSTERING COMPACT, TRANSIT-ORIENTED URBAN FORMS, AND INTEGRATING AFFORDABLE HOUSING INTO REGENERATION PROJECTS.

K76. STRENGTHENING MEXICO'S CAPACITY FOR INTEGRATED SOLID WASTE MANAGEMENT

GRANT TITLE	STRENGTHENING MEXICO'S CAPACITY FOR INTEGRATED SOLID WASTE MANAGEMENT
REGION	LAC
COUNTRIES	MEXICO
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$400,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN MEXICO'S CAPACITY FOR INTEGRATED SOLID AND HAZARDOUS WASTE MANAGEMENT AS A FOUNDATION FOR SUSTAINABLE GROWTH. BY DEVELOPING A NATIONAL SOLID WASTE MANAGEMENT PLAN, CONDUCTING FEASIBILITY STUDIES, AND PILOTING INNOVATIVE APPROACHES SUCH AS E-WASTE SYSTEMS, LANDFILL REMEDIATION, AND RECYCLING INITIATIVES, THE GRANT SOUGHT TO ADDRESS ENVIRONMENTAL RISKS, REDUCE PUBLIC HEALTH BURDENS ON VULNERABLE POPULATIONS, AND PROMOTE SOCIALLY INCLUSIVE, FINANCIALLY SUSTAINABLE WASTE SOLUTIONS.
KEY RESULT	DEVELOPED A FEASIBILITY FRAMEWORK FOR ESTABLISHING A NATIONAL COMMISSION FOR SOLID WASTE MANAGEMENT AND ADVANCED TECHNICAL STRATEGIES FOR LANDFILL CLOSURE, REMEDIATION, AND RECYCLING SYSTEMS. FACILITATED KNOWLEDGE TRANSFER AND POLICY DIALOGUE THROUGH INTERNATIONAL EXCHANGES WITH KOREA, ARGENTINA, AND OTHERS, BUILDING INSTITUTIONAL CAPACITY FOR INTEGRATED WASTE GOVERNANCE. STRENGTHENED MUNICIPAL AND NATIONAL ABILITY TO MANAGE E-WASTE, PROMOTE SOCIAL INCLUSION IN WASTE SYSTEMS, AND DESIGN FINANCIALLY SUSTAINABLE MODELS. INFORMED PREPARATION OF A BANK-FINANCED OPERATION, ALIGNING WASTE MANAGEMENT REFORMS WITH GREEN GROWTH AND INCLUSIVE URBAN DEVELOPMENT PRIORITIES.

K75. AN INTEGRATED APPROACH TO URBAN SUSTAINABILITY PLANNING

GRANT TITLE	AN INTEGRATED APPROACH TO URBAN SUSTAINABILITY PLANNING
REGION	LAC
COUNTRIES	URUGUAY

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SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$60,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO INTEGRATE SUSTAINABILITY PRINCIPLES INTO URBAN PLANNING BY EQUIPPING CITIES WITH TOOLS, KNOWLEDGE, AND CAPACITY TO ADDRESS RAPID URBANIZATION CHALLENGES. IT SUPPORTED DEVELOPING COUNTRIES IN IMPROVING EFFICIENCY, RESILIENCE, AND COMPETITIVENESS THROUGH DIAGNOSTICS, STAKEHOLDER CONSULTATIONS, AND CITY-LEVEL PILOTS. BY LEVERAGING KOREAN EXPERTISE AND GLOBAL PARTNERSHIPS, THE INITIATIVE SOUGHT TO EMBED DATA-DRIVEN PLANNING APPROACHES INTO WORLD BANK OPERATIONS, ENABLING CITIES TO REDUCE EMISSIONS, IMPROVE SERVICE DELIVERY, AND STRENGTHEN RESILIENCE AGAINST CLIMATE AND FISCAL PRESSURES.
KEY RESULT	ENABLED FIVE PILOT CITIES TO ADOPT INTEGRATED SUSTAINABILITY DIAGNOSTICS THAT INFORMED URBAN INVESTMENT STRATEGIES AND PIPELINE LENDING PROJECTS. OPERATIONALIZED NEW KNOWLEDGE PRODUCTS—INCLUDING INCREMENTAL HOUSING AND CLIMATE-RESILIENT PLANNING FRAMEWORKS—WITHIN THREE APPROVED WORLD BANK OPERATIONS. STRENGTHENED INSTITUTIONAL CAPACITY OF MUNICIPAL AUTHORITIES TO EMBED GREEN GROWTH PRINCIPLES IN PLANNING, LEVERAGING KOREAN EXPERTISE THROUGH KRIHS AND SEOUL'S METROLAB EXPERIENCE. CATALYZED REPLICATION BY MAINSTREAMING INTEGRATED URBAN PLANNING APPROACHES ACROSS BANK PROJECTS, ENHANCING LONG-TERM EFFICIENCY, RESILIENCE, AND COMPETITIVENESS OF PARTICIPATING CITIES.

K74. MOVING TOWARDS GREEN URBAN DEVELOPMENT OF KYRGYZ CITIES

GRANT TITLE	MOVING TOWARDS GREEN URBAN DEVELOPMENT OF KYRGYZ CITIES
REGION	ECA
COUNTRIES	KYRGYZSTAN
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$300,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO HALT UNSUSTAINABLE URBAN SPRAWL IN KYRGYZ CITIES BY CREATING A ROADMAP FOR GREENER, MORE INCLUSIVE URBAN DEVELOPMENT. WITH NEARLY HALF THE POPULATION

	LIVING IN URBAN AREAS BUT MANY IN SEMI-INFORMAL SETTLEMENTS, THE INITIATIVE SOUGHT TO ADDRESS ENVIRONMENTAL, FISCAL, AND SOCIAL COSTS OF SPRAWL. BY RAISING AWARENESS, STRENGTHENING INSTITUTIONAL CAPACITY, AND PROMOTING URBAN DENSIFICATION, THE PROJECT POSITIONED GREENER URBAN GROWTH AS A DRIVER OF ECONOMIC COMPETITIVENESS AND CLIMATE RESILIENCE.
KEY RESULT	PRODUCED A COMPREHENSIVE STUDY ON KYRGYZ URBAN SPRAWL, QUANTIFYING ECONOMIC AND ENVIRONMENTAL COSTS AND RECOMMENDING POLICY REFORMS. STRENGTHENED INSTITUTIONAL CAPACITY OF NATIONAL AND LOCAL AUTHORITIES THROUGH WORKSHOPS, TECHNICAL EXCHANGES, AND A STUDY TOUR SHOWCASING GLOBAL BEST PRACTICES. DEVELOPED AND SECURED GOVERNMENT ENDORSEMENT OF A CONSENSUS-BASED ROADMAP FOR GREEN URBAN DEVELOPMENT, ALIGNING WITH THE FORTHCOMING URBAN DEVELOPMENT PROJECT. IDENTIFIED PRIORITY AREAS FOR TECHNICAL SUPPORT, INTEGRATING SUSTAINABILITY AND RESILIENCE MEASURES INTO FUTURE INFRASTRUCTURE AND MUNICIPAL PLANNING.

K73. VANUATU AFFORDABLE AND RESILIENT HOUSING

GRANT TITLE	VANUATU AFFORDABLE AND RESILIENT HOUSING
REGION	EAP
COUNTRIES	VANUATU
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$250,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN VANUATU'S HOUSING POLICY AND LAND MANAGEMENT SYSTEMS TO INCREASE ACCESS TO AFFORDABLE, RESILIENT HOUSING WHILE REDUCING EXPOSURE TO NATURAL HAZARDS AND CLIMATE CHANGE. BUILDING ON THE MAINSTREAMING DISASTER RISK REDUCTION PROJECT, IT SOUGHT TO INTEGRATE HAZARD RISK MAPPING INTO URBAN PLANNING, IMPROVE ZONING AND DEVELOPMENT CONTROLS, AND EXPAND SERVICED LAND AVAILABILITY. THE INITIATIVE PRIORITIZED SUPPORT FOR INFORMAL SETTLEMENTS AND VULNERABLE LOW-INCOME HOUSEHOLDS, FOSTERING SAFER AND MORE SUSTAINABLE URBAN GROWTH.
KEY RESULT	STRENGTHENED HOUSING LAWS, REGULATIONS, AND PLANNING STANDARDS THAT PROMOTED EFFICIENT USE OF LOW-HAZARD LAND AND IMPROVED HOUSING RESILIENCE. DEVELOPED POLICIES AND ELIGIBILITY CRITERIA ENABLING MORE EQUITABLE LAND AND HOUSING

	ALLOCATION FOR LOW-INCOME POPULATIONS. IDENTIFIED AND PREPARED SITES FOR AFFORDABLE HOUSING DEVELOPMENT AND ENHANCED GOVERNMENT STAFF CAPACITY IN LAND MANAGEMENT. LEVERAGED COLLABORATION WITH KOREAN PARTNERS (KRIHS, SEOUL METROPOLITAN GOVERNMENT, LH, LHI) TO TRANSFER KNOWLEDGE AND GOOD PRACTICES, POSITIONING VANUATU TO SCALE INVESTMENTS IN RESILIENT HOUSING AND SUSTAINABLE URBAN DEVELOPMENT.

K72. TA TO PROMOTE SOLID WASTE MANAGEMENT AND URBAN GREENERY IN SELECTED ETHIOPIAN SECONDARY CITIES

GRANT TITLE	TA TO PROMOTE SOLID WASTE MANAGEMENT AND URBAN GREENERY IN SELECTED ETHIOPIAN SECONDARY CITIES
REGION	AFR
COUNTRIES	ETHIOPIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$400,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO IMPROVE SOLID WASTE MANAGEMENT IN BISHOFTU AND SELECTED ETHIOPIAN SECONDARY CITIES BY ESTABLISHING A SANITARY LANDFILL, CLOSING OPEN DUMPING SITES, AND PROMOTING URBAN GREENERY. IT SOUGHT TO REDUCE PUBLIC HEALTH RISKS, PROTECT GROUNDWATER, AND LOWER CARBON EMISSIONS THROUGH IMPROVED LANDFILL OPERATIONS, TRAINING, AND EQUIPMENT PROVISION. THE INITIATIVE ALSO SUPPORTED FEDERAL STRATEGY DEVELOPMENT AND CAPACITY BUILDING UNDER ULGDP II, POSITIONING BISHOFTU AS A MODEL FOR SUSTAINABLE WASTE MANAGEMENT NATIONWIDE.
KEY RESULT	ESTABLISHED AN OPERATIONAL SANITARY LANDFILL IN BISHOFTU, TRAINED CITY AND FEDERAL STAFF IN MODERN WASTE MANAGEMENT, AND DEVELOPED MANUALS USED BY 44 CITIES UNDER ULGDP II. CLOSED THE OLD DUMPING SITE AND CONVERTED IT INTO A GREEN PARK, REDUCING POLLUTION AND IMPROVING URBAN LIVABILITY. STRENGTHENED FEDERAL POLICIES AND SERVICE STANDARDS FOR INTEGRATED SOLID WASTE MANAGEMENT. ENABLED REPLICATION POTENTIAL IN OTHER ETHIOPIAN CITIES AND ALIGNED MUNICIPAL SYSTEMS WITH LONG-TERM GREEN GROWTH AND CLIMATE RESILIENCE GOALS.

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K71. REAL TIME URBAN FLOOD RISK MANAGEMENT AND DECISION SUPPORT TOOL FOR BAMAKO GREATER AREA

GRANT TITLE	REAL TIME URBAN FLOOD RISK MANAGEMENT AND DECISION SUPPORT TOOL FOR BAMAKO GREATER AREA
REGION	AFR
COUNTRIES	MALI
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$495,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO REDUCE URBAN FLOOD RISKS IN BAMAKO AND OTHER MALIAN CITIES BY INTRODUCING INNOVATIVE, COST-EFFECTIVE MONITORING AND FORECASTING TOOLS. IT DEVELOPED REAL-TIME, HIGH-RESOLUTION RAINFALL MAPS USING CELLULAR NETWORK SIGNAL ATTENUATION, INTEGRATED DATA INTO THE ATHYS FLOOD MODELING PLATFORM, AND CREATED A GIS-BASED DECISION SUPPORT TOOL. BY COMBINING TECHNOLOGY WITH TRAINING AND CAPACITY BUILDING, THE INITIATIVE STRENGTHENED EARLY WARNING SYSTEMS, INFORMED SUSTAINABLE URBAN PLANNING, AND BUILT RESILIENCE AGAINST CLIMATE-RELATED FLOOD HAZARDS.
KEY RESULT	DEVELOPED AND TESTED REAL-TIME RAINFALL MAPPING AND INTEGRATED IT INTO A GIS-BASED DECISION SUPPORT SYSTEM, ENABLING MORE ACCURATE FLOOD RISK ASSESSMENT IN BAMAKO. ADAPTED THE ATHYS MODEL FOR LOCAL USE AND TRAINED GOVERNMENT OFFICIALS, STUDENTS, AND DISASTER RESPONSE AGENCIES IN MODERN HYDROMETEOROLOGICAL MONITORING. INCREASED INSTITUTIONAL CAPACITY FOR EARLY WARNING AND RESPONSE PLANNING WHILE RAISING PUBLIC AWARENESS OF URBAN FLOOD RISKS. LEVERAGED COLLABORATION WITH KOREAN EXPERTISE FROM KYUNGPOOK NATIONAL UNIVERSITY AND PARTNERSHIPS WITH ORANGE-MALI AND MALI-MÉTÉO, POSITIONING BAMAKO AS A PILOT CITY FOR SCALABLE, CLIMATE-RESILIENT FLOOD RISK MANAGEMENT SOLUTIONS ACROSS AFRICA.

K70. IMPROVING SOLID WASTE SERVICE DELIVERY IN AFRICAN CITIES

GRANT TITLE	IMPROVING SOLID WASTE SERVICE DELIVERY IN AFRICAN CITIES
REGION	AFR
COUNTRIES	AFRICAN CITIES
SECTOR	URBAN

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PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$600,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN SOLID WASTE MANAGEMENT (SWM) SYSTEMS IN SUB-SAHARAN AFRICAN CITIES BY ADDRESSING CRITICAL INFRASTRUCTURE GAPS, WEAK REGULATORY FRAMEWORKS, AND LIMITED FINANCING. BY CONDUCTING MUNICIPAL-LEVEL ASSESSMENTS, PROVIDING POLICY RECOMMENDATIONS, AND FOSTERING CAPACITY-BUILDING, THE INITIATIVE SOUGHT TO CREATE SUSTAINABLE AND INCLUSIVE SWM MODELS. LEVERAGING KOREAN EXPERTISE IN WASTE POLICY AND LANDFILL MANAGEMENT, THE GRANT FOCUSED ON IMPROVING EFFICIENCY, RESILIENCE, AND COMPETITIVENESS IN URBAN SERVICE DELIVERY, WHILE REDUCING HEALTH AND ENVIRONMENTAL RISKS FOR VULNERABLE POPULATIONS.
KEY RESULT	PRODUCED COMPREHENSIVE ASSESSMENTS THAT INFORMED NATIONAL AND MUNICIPAL SWM POLICIES, ENABLING SMARTER INVESTMENT DECISIONS AND PROJECT DESIGN IN FOUR AFRICAN COUNTRIES. ENHANCED INSTITUTIONAL CAPACITY THROUGH WORKSHOPS AND STUDY TOURS WITH KEI AND KECO, EQUIPPING OFFICIALS WITH TECHNICAL EXPERTISE IN LANDFILL AND RECYCLING MANAGEMENT. STRENGTHENED URBAN RESILIENCE BY PROMOTING PRACTICES THAT REDUCED FLOODING AND HEALTH RISKS FROM UNMANAGED WASTE. FOSTERED INCLUSIVE GROWTH BY INTEGRATING SOCIAL DIMENSIONS INTO SWM AND SUPPORTING JOB CREATION ACROSS THE WASTE VALUE CHAIN, WHILE LAYING THE GROUNDWORK FOR FUTURE WORLD BANK LENDING AND PRIVATE SECTOR PARTICIPATION IN SUSTAINABLE INFRASTRUCTURE.

K50. INCLUSIVE GREEN GROWTH FOR EAP CITIES

GRANT TITLE	INCLUSIVE GREEN GROWTH FOR EAP CITIES
REGION	EAP
COUNTRIES	VIETNAM, INDONESIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 3 (2015)
AMOUNT	$150,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO SUPPORT DA NANG (VIETNAM) AND SURABAYA (INDONESIA) IN TRANSITIONING TOWARD LOW-CARBON, ENERGY-EFFICIENT URBAN GROWTH. BY INTEGRATING SUSTAINABLE

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	ENERGY SOLUTIONS INTO INFRASTRUCTURE PLANNING, IT SOUGHT TO REDUCE GHG EMISSIONS, IMPROVE ENERGY EFFICIENCY, AND CREATE GREEN JOBS. THE INITIATIVE EMPHASIZED PRIVATE–PUBLIC PARTNERSHIPS, FINANCING REFORMS, AND CAPACITY-BUILDING, WHILE LEVERAGING KOREAN EXPERTISE TO DESIGN SCALABLE MODELS FOR SUSTAINABLE, RESILIENT, AND COMPETITIVE URBAN DEVELOPMENT IN EAST ASIA.
KEY RESULT	DEVELOPED AN MRV TOOLKIT AND ACCOUNTING FRAMEWORK TO TRACK ENERGY CONSUMPTION AND GHG EMISSIONS, ENABLING DATA-DRIVEN PLANNING. STRENGTHENED MUNICIPAL CAPACITY THROUGH WORKSHOPS AND KOREA-LED KNOWLEDGE EXCHANGE, FOSTERING REPLICATION IN OTHER CITIES. IDENTIFIED POTENTIAL FINANCING SOURCES AND MOBILIZED PPP OPPORTUNITIES FOR SUEEP PROJECTS, ENHANCING INVESTMENT READINESS. ADVANCED PROJECT FEASIBILITY STUDIES AND TRANSACTION PREPARATION, WHICH INFORMED NATIONAL AND LOCAL POLICY REFORMS, LINKING URBAN DEVELOPMENT TO GREEN GROWTH PRIORITIES AND POSITIONING DA NANG AND SURABAYA AS REGIONAL MODELS FOR SUSTAINABLE URBAN TRANSFORMATION.

K49. REGIONAL ECONOMIC AND INFRASTRUCTURE INVESTMENT STRATEGY

GRANT TITLE	REGIONAL ECONOMIC AND INFRASTRUCTURE INVESTMENT STRATEGY
REGION	SAR
COUNTRIES	INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$400,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN INDIA'S REGIONAL COMPETITIVENESS BY SUPPORTING THE DEVELOPMENT OF AN INTEGRATED ECONOMIC AND INFRASTRUCTURE INVESTMENT STRATEGY ALONG THE AMRITSAR–KOLKATA FREIGHT CORRIDOR. BY COMBINING ECONOMIC DEVELOPMENT, URBAN PLANNING, AND TRANSPORT, THE INITIATIVE SOUGHT TO IMPROVE EFFICIENCY, REDUCE CONGESTION, AND ENHANCE RESILIENCE TO EXTREME WEATHER. FOCUSED ON UTTAR PRADESH'S SUB-REGIONS, THE PROGRAM EMPHASIZED INDUSTRIAL CLUSTERING, LOGISTICS HUBS, AND STRATEGIC INFRASTRUCTURE PLANNING TO EXPAND JOB ACCESS AND INCLUSIVE GROWTH.
KEY RESULT	PRODUCED A DETAILED REGIONAL ECONOMIC ASSESSMENT IDENTIFYING GROWTH POTENTIAL, LINKAGES, AND BARRIERS IN

	TARGETED SUB-REGIONS. INFORMED INFRASTRUCTURE AND INVESTMENT STRATEGIES THAT INTEGRATED GREEN GROWTH PRINCIPLES, WITH DESIGNS AND FINANCING OPTIONS TAILORED TO REGIONAL NEEDS. SECURED GOVERNMENT ACCEPTANCE OF THE KANPUR–LUCKNOW–UNNAO–ALLAHABAD (KLUA) SUB-REGIONAL PLAN, ALIGNING IT WITH NATIONAL PRIORITIES FOR THE AMRITSAR–KOLKATA CORRIDOR. STRENGTHENED POLICY DIALOGUE AND INSTITUTIONAL CAPACITY TO IMPLEMENT CLUSTER-BASED DEVELOPMENT, LAYING THE GROUNDWORK FOR SCALABLE STRATEGIES TO BOOST PRODUCTIVITY AND ACCESSIBILITY FOR OVER 200 MILLION CITIZENS IN UTTAR PRADESH.

K48. SRI LANKA STRATEGIC CITIES

GRANT TITLE	SRI LANKA STRATEGIC CITIES
REGION	SAR
COUNTRIES	SRI LANKA
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$500,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO SUPPORT SRI LANKA'S STRATEGIC CITIES PROGRAM BY DEVELOPING A SPATIALLY DIFFERENTIATED URBAN STRATEGY THAT EMBEDS GREEN GROWTH PRINCIPLES. FOCUSED ON GREATER KANDY AND GREATER GALLE, THE INITIATIVE SOUGHT TO RELIEVE CONGESTION, UPGRADE INFRASTRUCTURE, AND BALANCE TOURISM DEVELOPMENT WITH ENVIRONMENTAL PROTECTION. THROUGH POLICY RECOMMENDATIONS, TARGETED INVESTMENTS, AND INSTITUTIONAL CAPACITY BUILDING, THE PROGRAM SUPPORTED THE GOVERNMENT'S VISION OF A SUSTAINABLE, WELL-LINKED URBAN NETWORK BY 2020.
KEY RESULT	ENABLED THE PREPARATION OF INTEGRATED URBAN DEVELOPMENT STRATEGIES FOR KANDY AND GALLE, EMBEDDING GREEN GROWTH AND CLIMATE RESILIENCE. IMPROVED ACCESS TO SUSTAINABLE URBAN SERVICES SUCH AS ROADS, DRAINAGE, WATER, AND WASTE MANAGEMENT, WHILE CREATING WALKABLE PUBLIC SPACES TO ENHANCE LIVABILITY. STRENGTHENED INSTITUTIONAL CAPACITY AT METROPOLITAN AND LOCAL LEVELS FOR PLANNING AND IMPLEMENTATION OF GREEN URBAN INITIATIVES. INFORMED THE GOVERNMENT'S LONG-TERM STRATEGIC CITIES FRAMEWORK, ALIGNING WITH WORLD BANK LENDING OPERATIONS AND

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	LEVERAGING KOREAN EXPERTISE IN METROPOLITAN GOVERNANCE AND INFRASTRUCTURE PLANNING.

K47. DESIGN AND PREPARATION OF TAMIL NADU SUSTAINABLE URBAN DEVELOPMENT

GRANT TITLE	DESIGN AND PREPARATION OF TAMIL NADU SUSTAINABLE URBAN DEVELOPMENT
REGION	SAR
COUNTRIES	INDIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$600,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM SUPPORTED THE GOVERNMENT OF TAMIL NADU IN DESIGNING AND PREPARING THE TAMIL NADU SUSTAINABLE URBAN DEVELOPMENT PROJECT (TNSUDP), LINKED TO A $400 MILLION WORLD BANK LOAN. IT AIMED TO INTEGRATE GREEN URBAN INTERVENTIONS, IMPROVE MUNICIPAL FINANCIAL SUSTAINABILITY, AND STRENGTHEN GOVERNANCE OF URBAN LOCAL BODIES (ULBS). BY ADDRESSING SEWERAGE, SOLID WASTE MANAGEMENT, AND CITY PLANNING, THE PROGRAM SOUGHT TO ENHANCE COMPETITIVENESS, ACCOUNTABILITY, AND SERVICE DELIVERY IN TAMIL NADU'S RAPIDLY URBANIZING CITIES.
KEY RESULT	DEVELOPED COMPREHENSIVE DESIGN AND PREPARATION STUDIES FOR GREEN URBAN INTERVENTIONS, GOVERNANCE FRAMEWORKS, AND FINANCING MECHANISMS, FORMING THE FOUNDATION OF THE $600 MILLION TNSUDP. STRENGTHENED INSTITUTIONAL CAPACITY AND ACCOUNTABILITY OF ULBS THROUGH RESULTS-BASED GOVERNANCE FRAMEWORKS. INFORMED INVESTMENT STRATEGIES IN URBAN SERVICES—SEWERAGE, SOLID WASTE MANAGEMENT, AND CITY PLANNING—ENSURING FINANCIAL SUSTAINABILITY. ENABLED TAMIL NADU TO IMPLEMENT AN INTEGRATED, GREEN, AND COMPETITIVE URBAN DEVELOPMENT AGENDA, LEVERAGING WORLD BANK LENDING AND ALIGNING LOCAL GOVERNANCE WITH SUSTAINABLE GROWTH.

K44. IMPLEMENTING GREEN SOLUTION FOR WASTE MANAGEMENT

GRANT TITLE	IMPLEMENTING GREEN SOLUTION FOR WASTE MANAGEMENT
REGION	ASA
COUNTRIES	ARGENTINA
SECTOR	URBAN

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PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$400,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO ADVANCE GREEN SOLID WASTE MANAGEMENT IN LATIN AMERICA BY HELPING COLOMBIA AND ARGENTINA ADOPT GLOBAL BEST PRACTICES, STRENGTHEN DATA RESOURCES, AND CREATE NATIONAL INVESTMENT PROGRAMS. IT SOUGHT TO PROMOTE WASTE MINIMIZATION, SOURCE SEGREGATION, AND FOOD WASTE MANAGEMENT, WHILE LEVERAGING ICT TOOLS SUCH AS GPS-BASED COLLECTION OPTIMIZATION TO IMPROVE EFFICIENCY. THE ULTIMATE OBJECTIVE WAS TO EQUIP GOVERNMENTS WITH POLICY, TECHNICAL, AND INVESTMENT OPTIONS THAT SUPPORT RESOURCE RECOVERY AND SUSTAINABLE WASTE SYSTEMS.
KEY RESULT	DESIGNED REPLICABLE TOOLKITS AND POLICY OPTIONS THAT GUIDED NATIONAL GOVERNMENTS IN PLANNING FUTURE GREEN SOLID WASTE INVESTMENTS. ESTABLISHED ARGENTINA'S FIRST SOURCE SEGREGATION AND COLLECTION PILOT, DEMONSTRATING OPERATIONAL FEASIBILITY. IMPROVED SECTORAL DATA PROFILES, ENABLING EVIDENCE-BASED DECISION-MAKING AND BETTER TECHNOLOGY SELECTION. STRENGTHENED INSTITUTIONAL CAPACITY THROUGH TRAINING AND TECHNICAL ASSISTANCE, FOSTERING REGIONAL KNOWLEDGE-SHARING. BY INTEGRATING ICT AND INNOVATIVE MANAGEMENT PRACTICES, THE PROGRAM SUPPORTED LONG-TERM IMPROVEMENTS IN EFFICIENCY, RESILIENCE, AND SUSTAINABILITY OF WASTE MANAGEMENT IN THE LAC REGION.

K43. SOLID WASTE MANAGEMENT POLICIES AND TECHNOLOGIES

GRANT TITLE	SOLID WASTE MANAGEMENT POLICIES AND TECHNOLOGIES
REGION	AFR
COUNTRIES	BENIN
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$225,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO TRANSFER KOREA'S DECADES OF EXPERTISE IN SOLID WASTE MANAGEMENT TO HELP COUNTRIES LIKE BENIN, CHINA, AND THE CENTRAL AFRICAN REPUBLIC TACKLE GROWING URBAN CHALLENGES. BY COMBINING CASE STUDIES, PEER-TO-PEER

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	LEARNING, AND TECHNICAL SUPPORT, THE INITIATIVE SOUGHT TO DEMONSTRATE HOW WASTE CAN BE TRANSFORMED INTO ECONOMIC VALUE WHILE REDUCING GHG EMISSIONS, IMPROVING PUBLIC HEALTH, AND FOSTERING INCLUSIVE GREEN GROWTH. THE OBJECTIVE WAS TO BUILD LOCAL GOVERNMENT CAPACITY AND INTEGRATE SUSTAINABLE WASTE SOLUTIONS INTO ONGOING WORLD BANK AND NATIONAL PROGRAMS.
KEY RESULT	DEVELOPED MULTILINGUAL CASE STUDIES ON THE SOLID WASTE VALUE CHAIN, PROVIDING REPLICABLE LESSONS FROM KOREA AND OTHER CONTEXTS. ENABLED CITY AUTHORITIES TO DESIGN AND BEGIN IMPLEMENTING IMPROVED SWM STRATEGIES THROUGH WORKSHOPS, WEBINARS, AND STUDY VISITS. ENHANCED INCLUSIVENESS BY ADDRESSING THE ROLE OF WASTE PICKERS AND EXTENDING SERVICES TO UNDERSERVED URBAN AREAS. PROMOTED ECO-FRIENDLY PRACTICES LIKE RECYCLING AND ENERGY RECOVERY, STRENGTHENING RESILIENCE AGAINST CLIMATE CHANGE IMPACTS. SUPPORTED WORLD BANK OPERATIONS IN BENIN BY INFORMING THE EMERGENCY URBAN ENVIRONMENT AND CITIES SUPPORT PROGRAMS, LAYING THE GROUNDWORK FOR SUSTAINABLE INVESTMENTS IN WASTE INFRASTRUCTURE.

K42. GREEN SMART CITY DEVELOPMENT WITH CITIZEN PARTICIPATION

GRANT TITLE	GREEN SMART CITY DEVELOPMENT WITH CITIZEN PARTICIPATION
REGION	GLOBAL
COUNTRIES	INDIA, TUNISIA
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$800,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO STRENGTHEN SUSTAINABLE URBAN DEVELOPMENT AND SMART CITY PRACTICES BY LEVERAGING ICT AND CITIZEN PARTICIPATION SYSTEMS. IN TUNISIA, IT FOCUSED ON CREATING A DIGITAL LAND MANAGEMENT SYSTEM (DLMS) MASTER PLAN TO MODERNIZE CADASTER SYSTEMS AND IMPROVE LAND USE PLANNING. IN MUMBAI, IT PILOTED MOBILE- AND BIG-DATA–BASED CIVIC PARTICIPATION TOOLS TO ENHANCE INCLUSIVENESS, ACCOUNTABILITY, AND DISASTER RISK MANAGEMENT. DRAWING ON KOREA'S E-GOVERNMENT LEADERSHIP, THE INITIATIVE PROVIDED REPLICABLE FRAMEWORKS AND PRACTICAL POLICY RECOMMENDATIONS FOR

	DEVELOPING COUNTRIES TO ADDRESS URBAN CHALLENGES THROUGH DIGITAL INNOVATION.
KEY RESULT	ESTABLISHED TUNISIA'S DLMS MASTER PLAN WITH LONG-TERM ROADMAPS AND POLICY RECOMMENDATIONS, IMPROVING LAND DATA ACCESSIBILITY FOR INCLUSIVE PLANNING. PRODUCED A CASE STUDY SHOWCASING METHODOLOGIES FOR DIGITAL CADASTER DEVELOPMENT, ENABLING REPLICATION IN OTHER CITIES. IN MUMBAI, PILOTED A CIVIL PARTICIPATION SYSTEM (CPS) WITH MOBILE SURVEYS, HOTLINES, AND USER-GENERATED MAPS, STRENGTHENING CITIZEN INPUT IN URBAN MANAGEMENT AND RISK PREPAREDNESS. ENHANCED INSTITUTIONAL CAPACITY THROUGH TRAINING AND KNOWLEDGE-SHARING WITH KOREAN PARTNERS, PROMOTING INNOVATIVE ICT APPLICATIONS THAT IMPROVED SERVICE DELIVERY, PARTICIPATION, AND RESILIENCE IN RESOURCE-CONSTRAINED CITIES.

K41. LOW CARBON CITY DEVELOPMENT

GRANT TITLE	LOW CARBON CITY DEVELOPMENT
REGION	GLOBAL
COUNTRIES	GLOBAL
SECTOR	URBAN
PROGRAM YEAR	YEAR 2 (2014)
AMOUNT	$1,370,000
STATUS	CLOSED
PROGRAM GOAL	THE PROGRAM AIMED TO INTEGRATE LOW-CARBON DEVELOPMENT INTO URBAN PLANNING, ENABLING CITIES TO REDUCE GHG EMISSIONS WHILE FOSTERING SUSTAINABLE ECONOMIC GROWTH. IT DEVELOPED CLIMATE PLANNING FRAMEWORKS, CERTIFICATION STANDARDS, AND TRAINING MODULES TO BUILD LOCAL EXPERTISE. BY LINKING PLANNING WITH CARBON FINANCE OPPORTUNITIES, THE INITIATIVE EQUIPPED MUNICIPALITIES TO ACCESS EXTERNAL FUNDING, STRENGTHEN RESILIENCE, AND ADVANCE GREEN GROWTH STRATEGIES ALIGNED WITH GLOBAL CLIMATE GOALS.
KEY RESULT	ESTABLISHED THE CITY CLIMATE PLANNER CERTIFICATION, TRAINED THE FIRST PROFESSIONALS, AND SUPPORTED OVER 150 CITIES IN PREPARING GHG INVENTORIES AND CLIMATE ACTION PLANS. CREDITWORTHINESS ACADEMIES IN COLOMBIA, TANZANIA, KOREA, AND SENEGAL BUILT MUNICIPAL FINANCE CAPACITY TO SECURE FUNDING FOR LOW-CARBON INFRASTRUCTURE. PARTNERSHIPS WITH

	GLOBAL INSTITUTIONS AND INVESTORS EXPANDED ACCESS TO CLIMATE FINANCE, ENABLING MORE RESILIENT AND SUSTAINABLE URBAN DEVELOPMENT WORLDWIDE.

K40. DEVELOPING GREEN GROWTH STRATEGIES FOR METROPOLITAN MUNICIPALITIES

Grant Title	Developing Green Growth Strategies for Metropolitan Municipalities
Region	ECA
Countries	Turkey
Sector	Urban
Program Year	Year 2 (2014)
Amount	$500,000
Status	Closed
Program Goal	The program supported Turkey's national effort to promote sustainable cities by creating a green growth information platform with indicators and baseline data. It developed city-specific action plans, focusing on land, housing, transport, energy efficiency, and infrastructure. By adapting Korea's KICOX model, the initiative aimed to transform industrial zones into eco-friendly areas, strengthen municipal planning, and promote greener, more resilient urban growth.
Key Result	Established a comprehensive green growth platform and prepared eight city-specific Sustainable City Action Plans. It delivered a KICOX Model Adaptation Report to guide eco-friendly industrial transformation and conducted a study tour in Korea to transfer knowledge. Participating municipalities improved their Sustainability Index scores, reduced exposure to disaster risks, and enhanced institutional capacity to plan and implement sustainable urban investments.

K39. Metro Manila Citywide Slum Upgrading Project

Grant Title	Metro Manila Citywide Slum Upgrading Project
Region	EAP
Countries	Philippines
Sector	Urban
Program Year	Year 2 (2014)
Amount	$350,000
Status	Closed
Program Goal	The program aimed to integrate citywide informal settlement upgrading into Metro Manila's urban development, addressing the urgent housing and flood resilience needs of 100,000 informal settler

	families. By piloting in three cities and reaching 400,000 vulnerable residents, it sought to deliver a citywide shelter plan, generate jobs, and promote participatory, community-led planning for inclusive, resilient urban growth.
Key Result	Established the Citywide Development Approach (CDA) as a scalable model for slum upgrading, enabling local governments to adopt participatory, decentralized solutions. Pilot cities developed shelter strategies, revised urban plans, and institutionalized CDA guidelines. Over 400,000 residents benefited from improved resilience and planning frameworks. Partnerships with KRIHS and ACHR enhanced technical capacity and knowledge exchange, strengthening government ability to replicate slum upgrading nationwide.

K37. Secondary Cities Program

Grant Title	Secondary Cities Program
Region	AFR
Countries	Rwanda
Sector	Urban
Program Year	Year 2 (2014)
Amount	$650,000
Status	Closed
Program Goal	The program aimed to unlock the green growth potential of Rwanda's secondary cities by promoting balanced urbanization beyond Kigali. It supported multi-sectoral urban planning, investment prioritization, and local capacity building. By integrating resilience, sustainability, and ICT tools, the initiative sought to foster inclusive growth, improve service delivery, and prepare the groundwork for a $95M Rwanda Urban Development Project.
Key Result	Produced six economic profiles and updated urban plans, enabling evidence-based investment prioritization in secondary cities. It strengthened institutional capacity at both national and local levels, mainstreamed resilience and sustainability in infrastructure planning, and informed the design of a performance-based grant system. The program directly shaped the $95M Rwanda Urban Development Project, ensuring long-term alignment with green growth strategies.

K22. Green Growth Strategies for Mexican Cities

Grant Title	Green Growth Strategies for Mexican Cities
Region	LAC
Countries	Mexico

Sector	Urban
Program Year	Year 1 (2013)
Amount	$250,000
Status	Closed
Program Goal	The program aimed to help Mexico redefine its urban growth model by addressing decades of low-density sprawl and inefficient resource use. It supported the government's sustainable urban and housing policy through the development of spatial planning tools, assessment methodologies, and green growth strategies, targeting 383 cities that host 78% of the national population to foster inclusive, efficient, and resilient development.
Key Result	Developed a methodology to assess environmental, social, and economic impacts of urbanization patterns and designed instruments to mitigate negative externalities. A spatial planning tool was piloted, leveraging the Calthorpe model with Centro Mario Molina, and informed policy reforms for sustainable housing and urban development. These outputs strengthened Mexico's ability to implement green, inclusive urban strategies and improve housing market affordability.

K18. Initial Assessment of Karachi Economy and Role as a Growth Center

Grant Title	Initial Assessment of Karachi Economy and Role as a Growth Center
Region	SAR
Countries	Pakistan
Sector	Urban
Program Year	Year 1 (2013)
Amount	$400,000
Status	Closed
Program Goal	The program aimed to transition Karachi's Strategic Development Plan (KSDP 2020) from a vision into an operational business plan by conducting rapid diagnostics, addressing constraints in land, housing, and services, and integrating green growth principles. Through investment and business planning, stakeholder engagement, and capacity building, the initiative sought to enhance Karachi's livability, competitiveness, and sustainability amid rapid urbanization.
Key Result	Delivered a Rapid City Assessment, evaluation of the KSDP, supplemental analytical studies, and an integrated investment and business plan aligned with green growth. It built stakeholder consensus through consultations and developed implementation mechanisms and capacity-building measures. These outputs strengthened Karachi's

	ability to adopt sustainable infrastructure strategies and positioned the KSDP as a practical roadmap for inclusive and resilient urban growth.

K17. Options Study for Development Along the Eastern Dedicated Freight Corridor

Grant Title	Options Study for Development Along the Eastern Dedicated Freight Corridor
Region	SAR
Countries	India
Sector	Urban
Program Year	Year 1 (2013)
Amount	$400,000
Status	Closed
Program Goal	The program analyzed economic and spatial development opportunities along India's 1,839-km Eastern Dedicated Freight Corridor (EDFC), aiming to promote green urban growth and minimize carbon impacts. By identifying industrial and logistics hubs, especially in Uttar Pradesh, it sought to guide policy reforms and investment strategies. Leveraging Korean expertise from Sejong City, it provided options for low-carbon, sustainable urbanization.
Key Result	Produced diagnostics, development pattern studies, and a final options paper that informed Government of India policy on corridor-based urban growth. Consultations with central and state governments built consensus on green development strategies, referencing the Bank's recommendations in official policy documents. Strengthened capacity to plan low-carbon urban hubs, aligning freight corridor investments with sustainable industrialization and regional competitiveness.

K16. Mexico Instruments for Urban Redevelopment

Grant Title	Mexico Instruments for Urban Redevelopment
Region	LAC
Countries	Mexico
Sector	Urban
Program Year	Year 1 (2013)
Amount	$400,000
Status	Closed
Program Goal	The program aimed to strengthen intra-urban redevelopment in Mexico by enhancing the DUIS framework with financial, legal, and technical incentives. It sought to curb low-density sprawl by promoting high-density, mixed-use redevelopment in medium-sized cities. Through mobilizing public-private investments, policy reforms, and knowledge

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	sharing with Korean partners, the initiative supported smart growth and sustainable urban development.
Key Result	Redevelopment projects were advanced in Tlaquepaque, Guadalajara, and Puebla, directly benefiting from the enhanced DUIS framework. The program mobilized around US$2 billion in public and private investments nationwide. Policy and regulatory reforms were adopted at local levels to support intra-urban redevelopment. Additionally, knowledge-sharing events with stakeholders strengthened capacity, making intra-urban redevelopment a viable alternative to unsustainable urban expansion in Mexico.

K15. Regional Resource Recovery and Recycling

Grant Title	Regional Resource Recovery and Recycling
Region	LAC
Countries	Regional
Sector	Urban
Program Year	Year 1 (2013)
Amount	$150,000
Status	Closed
Program Goal	The program aimed to promote sustainable waste management in Latin America and the Caribbean by developing knowledge of products, toolkits, and best practices on recycling, reuse, and waste reduction. By integrating these into World Bank operations and green city projects, the initiative sought to foster innovation, strengthen policy frameworks, and create enabling conditions for green and inclusive urban growth.
Key Result	Informed more than 40 projects across six countries, integrating innovative solid waste management practices into design and implementation. It mobilized a practitioner network and delivered four South-South exchanges, enhancing knowledge on technologies, financing, and informal sector engagement. Municipalities benefited from applied tools, and policy reforms were supported, advancing green growth and inclusive recycling models throughout the LAC region.

K14. Supporting Green Growth Urban Dev. Strategy in Ecuador

Grant Title	Supporting Green Growth Urban Dev. Strategy in Ecuador
Region	LAC
Countries	Panama
Sector	Urban
Program Year	Year 1 (2013)
Amount	$300,000

Status	Closed
Program Goal	The program aimed to strengthen Ecuador's capacity for sustainable urban planning by developing analytical frameworks and policy guidelines promoting smart growth, transit-oriented development, and environmental sustainability. It sought to address uncoordinated sprawl in metropolitan areas, demonstrate integrated land–transport planning through pilot projects, and influence broader World Bank TA on urban land management and financing instruments in Ecuador and Panama.
Key Result	Produced policy guidelines and analytical frameworks for green urban growth, incorporating smart land use and TOD principles. Pilot projects demonstrated integrated land and transport planning, serving as models for replication. It enhanced institutional capacity, informed World Bank TA on urban land and financing tools, and fostered collaboration with KRIHS and Korean agencies, embedding innovative planning and financing practices into Ecuador's urban development strategy.

K13. A Sustainable Vision for the Rio de Janeiro Metropolitan Region

Grant Title	A Sustainable Vision for the Rio de Janeiro Metropolitan Region
Region	LAC
Countries	Brazil
Sector	Urban
Program Year	Year 1 (2013)
Amount	$320,000
Status	Closed
Program Goal	The program aimed to develop a sustainable vision for the Rio de Janeiro Metropolitan Region by strengthening metropolitan governance and urban planning capacity. It supported institutional models for inter-municipal cooperation, integrated territorial planning, and sectoral strategies in transport and disaster risk management, while fostering Brazil–Korea knowledge exchange to guide Rio's transition into an eco-metropolis that leverages strategic investments for inclusive green growth.
Key Result	Fostered structured debate on metropolitan governance models, produced a comparative study of strategies in Brazil and Korea, and strengthened Rio's institutional capacity for sustainable planning. It enabled the adoption of green growth frameworks in key sectors, promoted inter-municipal cooperation, and disseminated international best practices. Collaboration with Seoul Metropolitan Government enhanced technical knowledge, positioning Rio to advance as a more sustainable, inclusive eco-metropolis.

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K12. Rio de Janeiro Low Carbon City Development Program

Grant Title	Rio de Janeiro Low Carbon City Development Program
Region	LAC
Countries	Brazil
Sector	Urban
Program Year	Year 1 (2013)
Amount	$625,000
Status	Closed
Program Goal	The program aimed to advance Rio de Janeiro's sustainable growth by operationalizing a citywide low-carbon development framework. It established an MRV system to quantify GHG emissions, developed carbon-linked financial mechanisms, and promoted energy efficiency. By aligning municipal investments with low-carbon strategies, it supported resource efficiency, green job creation, and knowledge exchange to position Rio as a model for urban carbon finance.
Key Result	Established Rio's Low-Carbon City Development Program, operationalizing an MRV system that enhanced transparency and informed municipal investment decisions. It piloted carbon-linked financial products, enabling innovative low-carbon financing, and validated Rio's 2012 GHG reduction targets. The initiative promoted resource efficiency, fostered green jobs, and positioned Rio as a leader in urban carbon finance, supported by South-South/North exchanges with partners such as Gwangju City, UNEP, and KEI.

K11. City Creditworthiness Program

Grant Title	City Creditworthiness Program
Region	Global
Countries	Global
Sector	Urban
Program Year	Year 1 (2013)
Amount	$500,000
Status	Closed
Program Goal	The City Creditworthiness Program strengthened the financial management capacity of cities, enabling them to improve credit ratings, access to capital markets, and finance sustainable infrastructure. Through training, technical assistance, and institutional reforms, the program promoted transparent governance, enhanced revenue generation, and aligned fiscal strategies with long-term urban growth. Partnerships with global institutions and peer learning initiatives ensured cities could secure financing for low-carbon, climate-smart development.

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Key Result	The program equipped municipal officials with financial planning and debt management tools, enabling cities to prepare creditworthiness enhancement action plans. Training through the City Creditworthiness Academies improved institutional capacity, with Seoul, Nairobi, and other global events fostering peer-to-peer learning. Several cities advanced toward investment readiness, improving access to climate-smart infrastructure financing. Partnerships with Korea (KDI, KGGTF) and C40 enhanced global knowledge exchange.

K10. Capacity Building for Green Urban Growth

Grant Title	Capacity Building for Green Urban Growth
Region	Global
Countries	Global
Sector	Urban
Program Year	Year 1 (2013)
Amount	$500,000
Status	Closed
Program Goal	The program strengthened global capacity for green urban growth by building policymakers' and practitioners' knowledge in sustainable land use, energy efficiency, and financing. It promoted resilient and inclusive cities through e-learning modules, peer-to-peer workshops, and blended learning. Partnerships with Seoul Metropolitan Government, SH Corporation, and KRIHS ensured global dissemination of innovative, climate-resilient, and participatory planning practices.
Key Result	New e-learning modules on urban expansion, energy efficiency, and sustainable land financing were developed and piloted with African universities. Regional workshops facilitated peer-to-peer learning on innovative land use planning and flood management. Collaboration with Korean institutions and global partners (MIT, WRI, WMO, NIUA) mobilized resources and created global knowledge products, enabling developing countries to adopt sustainable, resilient, and inclusive urban growth strategies.

K9. Inclusive Green Growth for East Asia Pacific Cities

Grant Title	Inclusive Green Growth for East Asia Pacific Cities
Region	EAP
Countries	Indonesia
Sector	Urban
Program Year	Year 1 (2013)
Amount	$150,000

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Status	Closed
Program Goal	The project supported Surabaya in adopting energy-efficient urban infrastructure and developing a sustainable energy and emissions strategy. By integrating Korean methodologies on inclusive green growth, it aimed to strengthen policy capacity, align mitigation with long-term goals, and attract private investment. The program also promoted low-carbon planning, emissions monitoring, and readiness for carbon financing to advance Surabaya's green urban transformation.
Key Result	Delivered Surabaya's first citywide GHG emissions inventory and a low-carbon green city planning system, providing a prioritization framework for sustainable investments. Capacity-building and knowledge-sharing enhanced local policymaking and investment readiness, while identification of carbon financing opportunities linked city planning to climate funds. Collaboration with KRIHS brought Korean expertise, enabling Surabaya to model inclusive, low-carbon growth strategies for other cities in the region.

K8. Sustainable Urban Growth Analytics and Planning Systems

Grant Title	Sustainable Urban Growth Analytics and Planning Systems
Region	EAP
Countries	Indonesia
Sector	Urban
Program Year	Year 1 (2013)
Amount	$375,000
Status	Closed
Program Goal	The project aimed to strengthen Indonesia's capacity for sustainable urban growth by improving spatial planning, integrated databases, and institutional frameworks. It analyzed urban expansion trends, developed tools for land and real estate market monitoring, and supported enforcement of planning systems. By linking spatial analytics to investment decisions, the program promoted data-driven, sustainable infrastructure planning in three cities and advanced Indonesia's green urbanization agenda.
Key Result	Produced advanced methodologies for spatial growth and land market analytics, piloted monitoring systems, and integrated these tools into city planning. Revised spatial and investment frameworks improved alignment with sustainability goals, while technical assistance enhanced institutional capacity for planning enforcement. A national workshop engaged central and local governments, fostering collaboration and policy uptake. These results collectively supported data-driven, inclusive, and sustainable urban development in Indonesia.

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K7. Enhancing Green Urban Development in Sub-Saharan Africa

Grant Title	Enhancing Green Urban Development in Sub-Saharan Africa
Region	AFR
Countries	Uganda, Tanzania, and South Africa
Sector	Urban
Program Year	Year 1 (2013)
Amount	$1,000,000
Status	Closed
Program Goal	The program aimed to integrate green growth principles into urban planning in Sub-Saharan Africa, addressing rapid urbanization while preserving natural assets. By valuing ecosystem services, developing sustainable management toolkits, and promoting climate resilience, it supported governments in Ghana, Kenya, Mozambique, Senegal, and Tanzania. Partnerships with Korean institutions fostered knowledge transfer, enabling environmentally sustainable and economically resilient urban growth strategies.
Key Result	Delivered diagnostic reports on urban environmental constraints in five countries, strategies for green urban interventions, and regional workshops to disseminate findings. Study tours facilitated South-South exchanges on best practices, while toolkits provided policymakers with instruments to mitigate environmental degradation. Several World Bank urban projects integrated green growth components, embedding sustainability and resilience into future infrastructure planning and urban development initiatives.

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