



EBRD GREEN CITIES



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Global trends and Local challenges



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Varying population changes



Energy security



Scarce resources



Infrastructural demands



Life quality

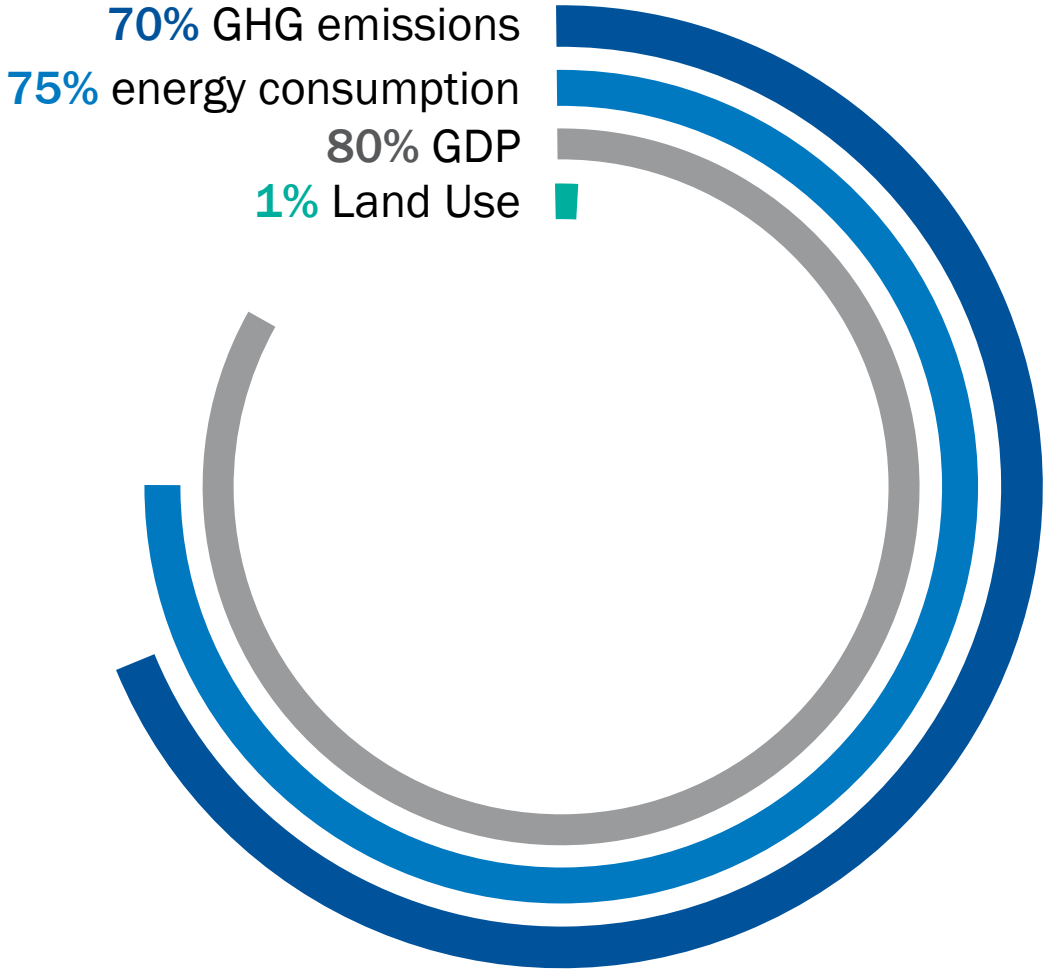


Climate change
mitigation & adaptation

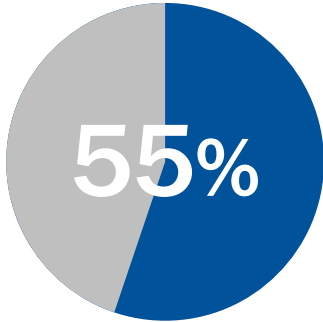
Global Impact of Cities



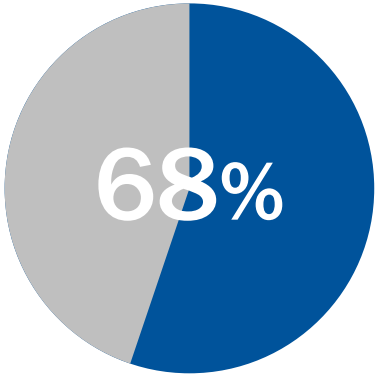
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Global urban population %



2017: 7.2 billion



2050: 9.7 billion



€1 billion Framework to support cities to identify, benchmark, prioritise and invest in Green City measures to improve urban environmental performance through:



Delivery of strategy and policy support

Green City Action Plans (GCAP)
Policy dialogue



Facilitating and stimulating Green City infrastructure investments

Urban Transport	Water & Wastewater
District Heating	Building Energy Efficiency
Solid Waste	Street Lighting
Renewable Energy	Climate Change Resilience



Building capacity of city administrators and key stakeholders

In order to become a part of EBRD Green Cities, cities must meet the following criteria:

(1) Located in EBRD's Countries of Operation

(2) Population \geq 100,000

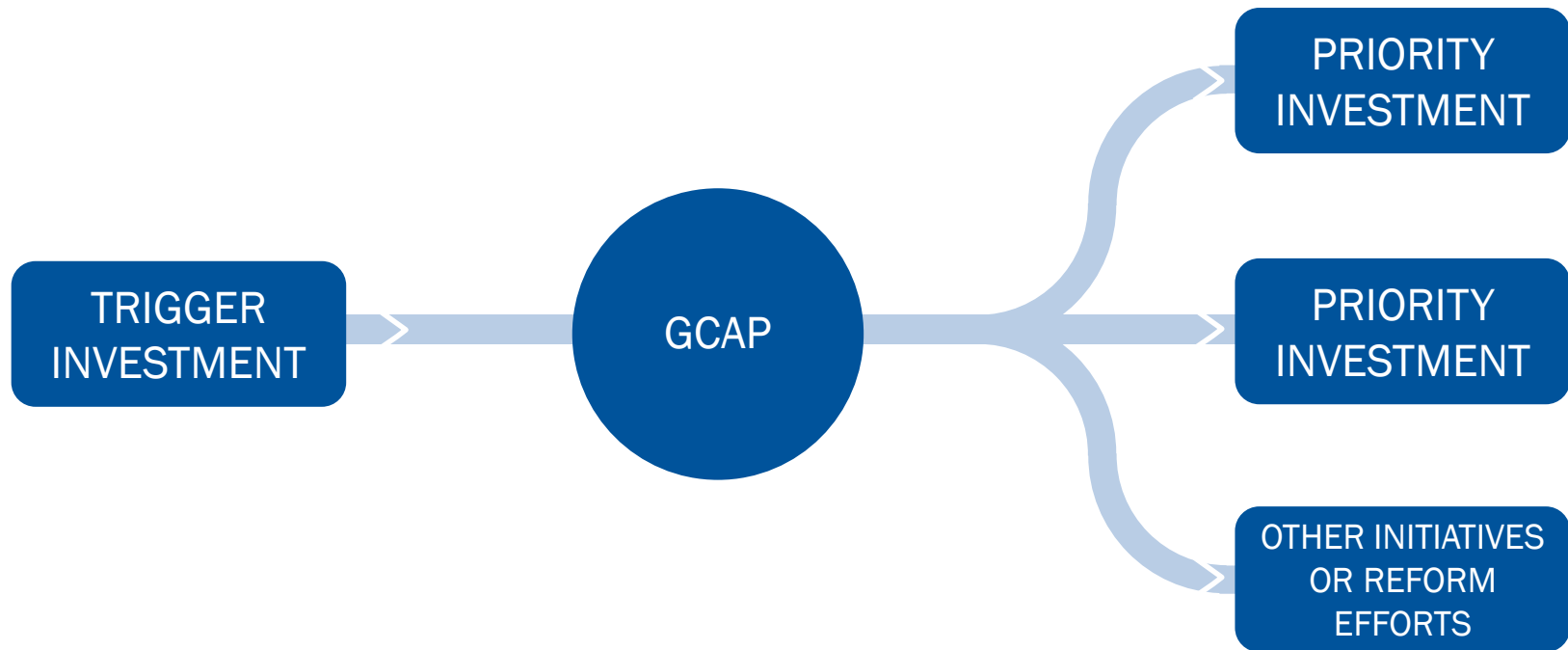
(3) Conduct a Green City Action Plan

(4) Initiate 'Trigger' Infrastructure Project

In one of the following sectors:

- Solid Waste
- Water & Wastewater
- Urban Transport
- District Heating
- Public Building Energy Efficiency
- Renewable Energy
- Climate Change Resilience
- Street Lighting

(5) Projects must target a 20% reduction in GHG emissions, energy or resource consumption, or pollution



Example

Tbilisi Buses

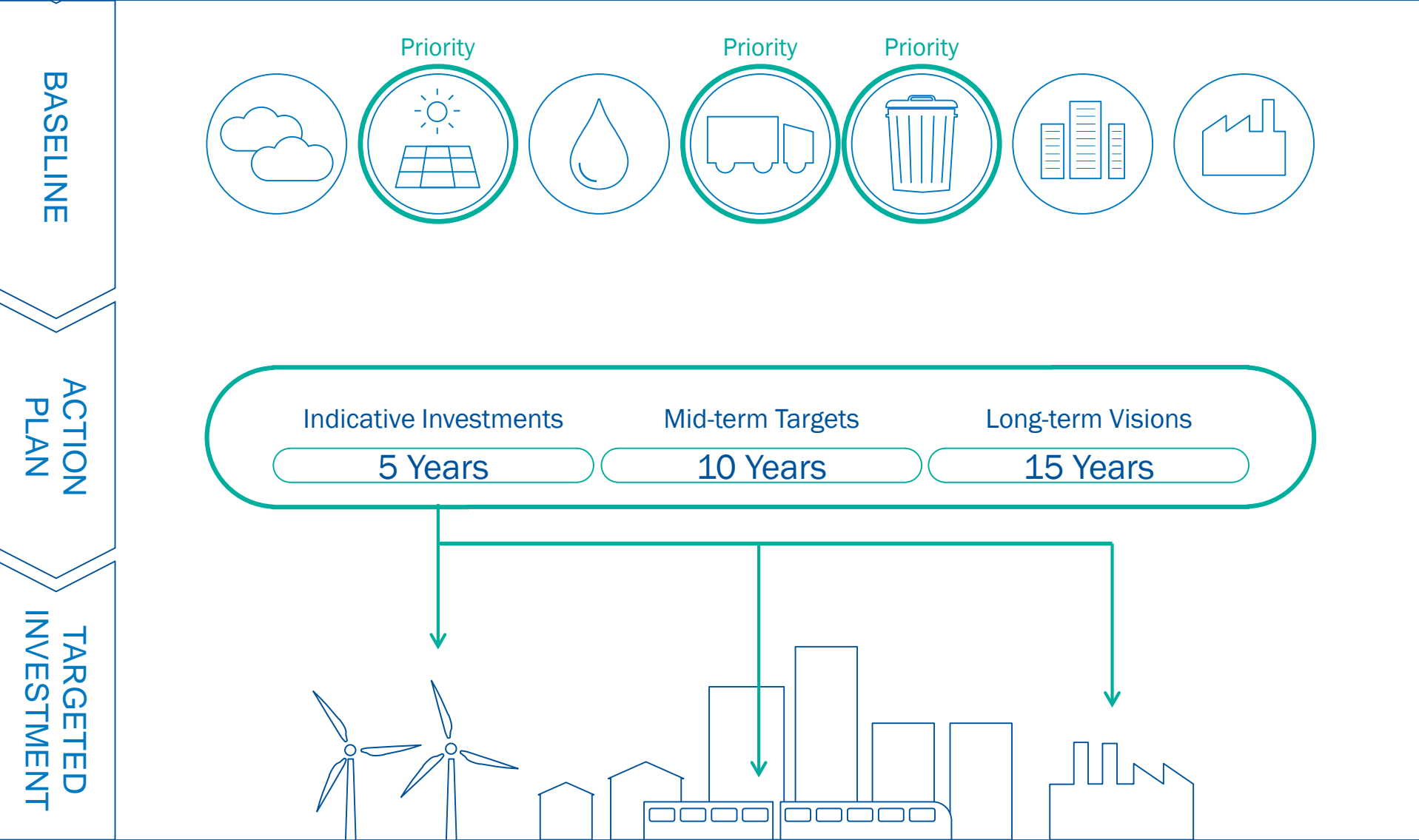
Tbilisi GCAP

Tbilisi Solid Waste

GCAPs: a Systematic Approach to Investments



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GCAPs – a systematic approach



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Ex. Tirana GCAP – selected measures

Theme	Capital Costs (€M)	Operational Costs (€M)	Potential Funding Sources			
			City Budget	National Government	IFIs & Donors	Private Sector
Sustainable Mobility	€ 38.1	€ 6.6	✓✓✓	✓	✓✓	✓✓
Green Spaces & Biodiversity	€ 171.3	€ 7.4	✓✓	✓	✓	✓✓
Sustainable Energy	€ 40.7	€ 0.9	✓	✓✓✓	✓✓	✓✓✓
Resource Management	€ 296.1	€ 30.1	✓	✓✓✓	✓✓	✓
Climate Change Resilience & Adaptation	€ 1.6	€ 2.2	✓✓	✓	✓	✓
Resources & Capacity	€ 0	€ 3.4	✓✓	✓	✓✓	✓

UKT Water



- Extension of a water treatment plant
- Construction of a new gravity fed water pipeline
- Will help the City provide 24 hr water service to all citizens by 2021
- Reduce the water company's operating costs

Kick-Off Meetings



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- Invited participants include: high-level officials from the municipality, ministries, EBRD, donor communities, public agencies, NGOs, utility companies and media.
- Participants demonstrate commitment to developing GCAPs and improving urban environment.
- Workshops are often held at the same time as the Kick-Off Meeting to discuss identified/existing environmental challenges.



Stakeholder Engagement Workshops



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- 3-4 Stakeholder Engagement workshops are held during the GCAP process.
- Workshops are held for prioritisation of environmental challenges, setting visions (10-15 years) and strategic objectives (5-10 years) for the city, planning actions, as well as public consultations for adopting GCAPs.
- Workshops provide opportunities for a wide range of stakeholders to shape the development of GCAPs.
- Events are often publically notified on website (www.ebrdgreencities.com) and social media of municipalities prior to the event.




Since Nov 2016, EBRD Green Cities has:

29 cities have joined EBRD Green Cities

Launched **19 Green City Action Plans** (as of 3 June 2019)

Invested **€350 million** in sustainable infrastructure

Enabled well over **€1 billion** in EBRD & donor finance

Reduced **372k tonnes CO₂**  equivalent to permanently removing **80,000 cars** from roads

Green Cities



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3 GCAPs adopted

1. Yerevan, Armenia
2. Tbilisi, Georgia
3. Tirana, Albania

16 GCAPs underway

4. Minsk, Belarus
5. Sofia, Bulgaria
6. Banja Luka, BiH
7. Batumi, Georgia
8. Zenica, BiH
9. Belgrade, Serbia
10. Chisinau, Moldova
11. Gyumri, Armenia
12. Sarajevo, BiH
13. Ulaanbaatar, Mongolia
14. Amman, Jordan
15. Lviv, Ukraine
16. Skopje, North Macedonia
17. Izmir, Turkey
18. Varna, Bulgaria
19. Pristina, Kosovo

2 GCAPs in procurement

- Craiova, Romania
- Podgorica, Montenegro

8+ GCAPs planned

- Kiev, Ukraine
- Pinsk, Belarus
- Alexandria, Egypt
- Mariupol, Ukraine
- Pula, Croatia
- Dushanbe, Tajikistan
- Bishkek, Kyrgyzstan
- Balti, Moldova



Green Cities Projects Signed



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17 Projects Signed

EBRD funds
committed (€M)

1. Chisinau Buildings	€10m
2. Sarajevo Water	€25m
3. Belgrade Green Blvd	€20m
4. Batumi Bus	€5.5m
5. Banja Luka DH	€8.2m
6. UKT Tirana Water	€15m
7. Varna Resilience	€10m
8. Ulaanbaatar Waste	€8.6m
9. Lviv Solid Waste	€20m
10. Izmir Metro II	€80m
11. Zenica Hospital	€10m
12. Sofia Electric Bus	€7.3m
13. Tbilisi Solid Waste	€15m
14. Minsk VK Wastewater	€84m
15. Craiova Urban Rehabilitation	€15m
16. Skopje Buses	€10m
17. Balti Trolleybus	€2.5m
TOTAL	€346.2m



(As of 3 June 2019)

The Role of Donor Support

GCAP development is reliant on Donor Support.
Donors to date include:

- Austrian Fund for Municipal Infrastructure
- CREATE Fund
- DRIVE Fund
- SIDA
- Czech Republic
- Japan
- Korea
- Green Climate Fund – approved a first tranche of funding for EBRD Green Cities – funding is available to 9 countries:
 - Albania
 - Armenia
 - North Macedonia
 - Georgia
 - Jordan
 - Moldova
 - Mongolia
 - Serbia
 - Tunisia





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For all further enquiries, please contact:

Lin O'Grady
Head, Project Preparation and Implementation
OGradyL@ebrd.com

Nigel Jollands
Lead, Policy Products
Energy Efficiency and Climate Change
JollandN@ebrd.com

Tea Melikadze
Principal Banker
Infra Eurasia, SIG
MelikadT@ebrd.com

