



EBRD GREEN CITIES

Data transparency: the value of performance indicators for municipal governments and the general public



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Global trends and Local challenges



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Varying population changes



Energy security



Scarce resources



Infrastructural demands



Life quality



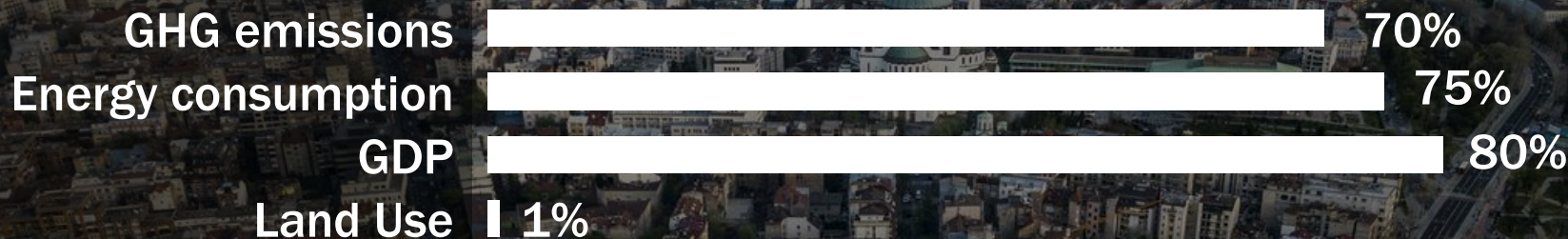
Climate change
mitigation & adaptation

Global Impact of Cities



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Cities account for:

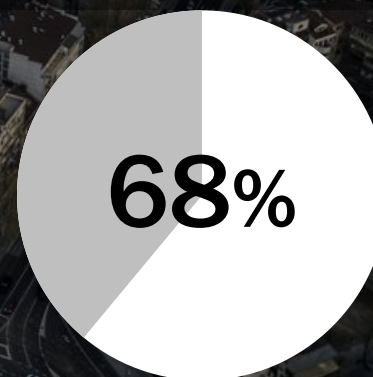


2017 Urban population %



of 7.2 billion people

2050 Urban population %



of 9.7 billion people



€1.5 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 Energy	Building Energy Efficiency
Solid Waste	Street Lighting
Renewable Energy	Climate Change Resilience
Smart solutions	Nature Based Solutions



Building capacity of city administrators and key stakeholders

Green Cities



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Since Nov 2016, under EBRD Green Cities:



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

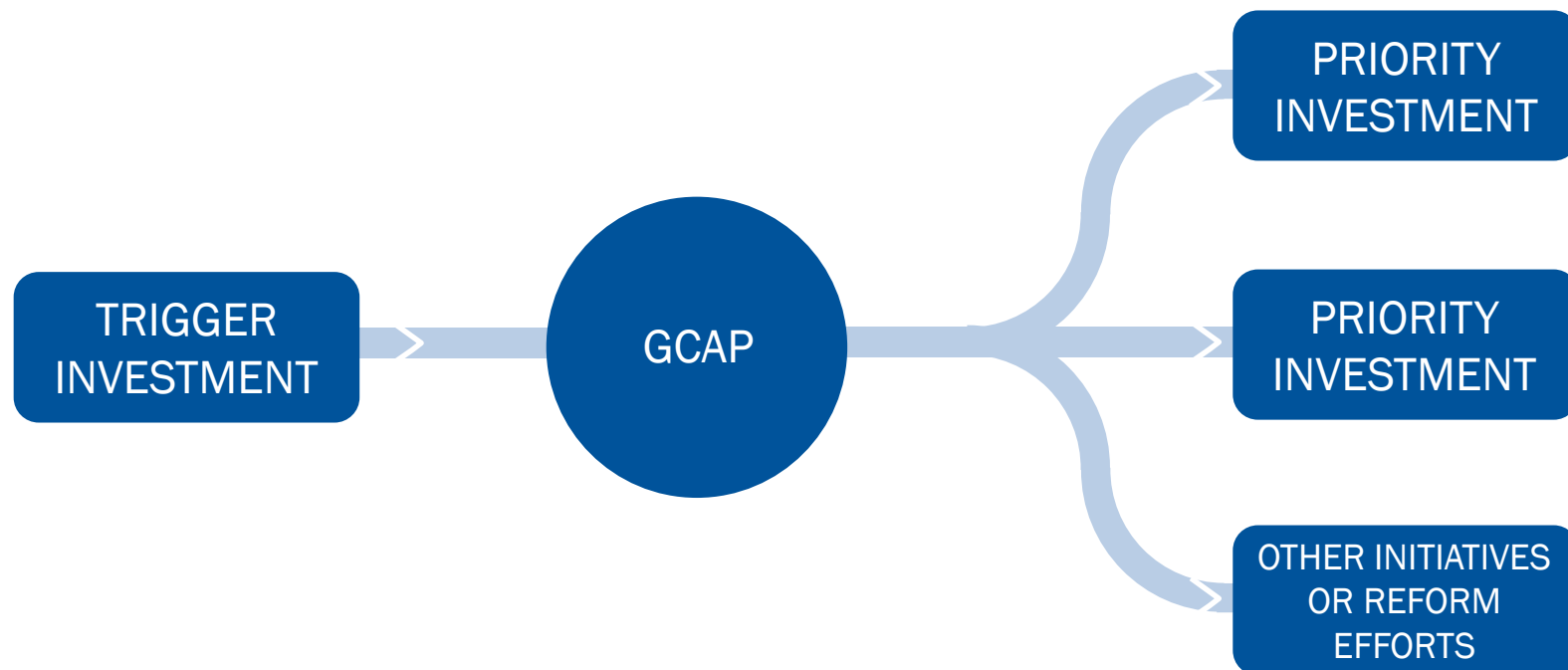
(3) Conduct a Green City Action Plan (GCAP)

(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; or have significant climate resilience benefits



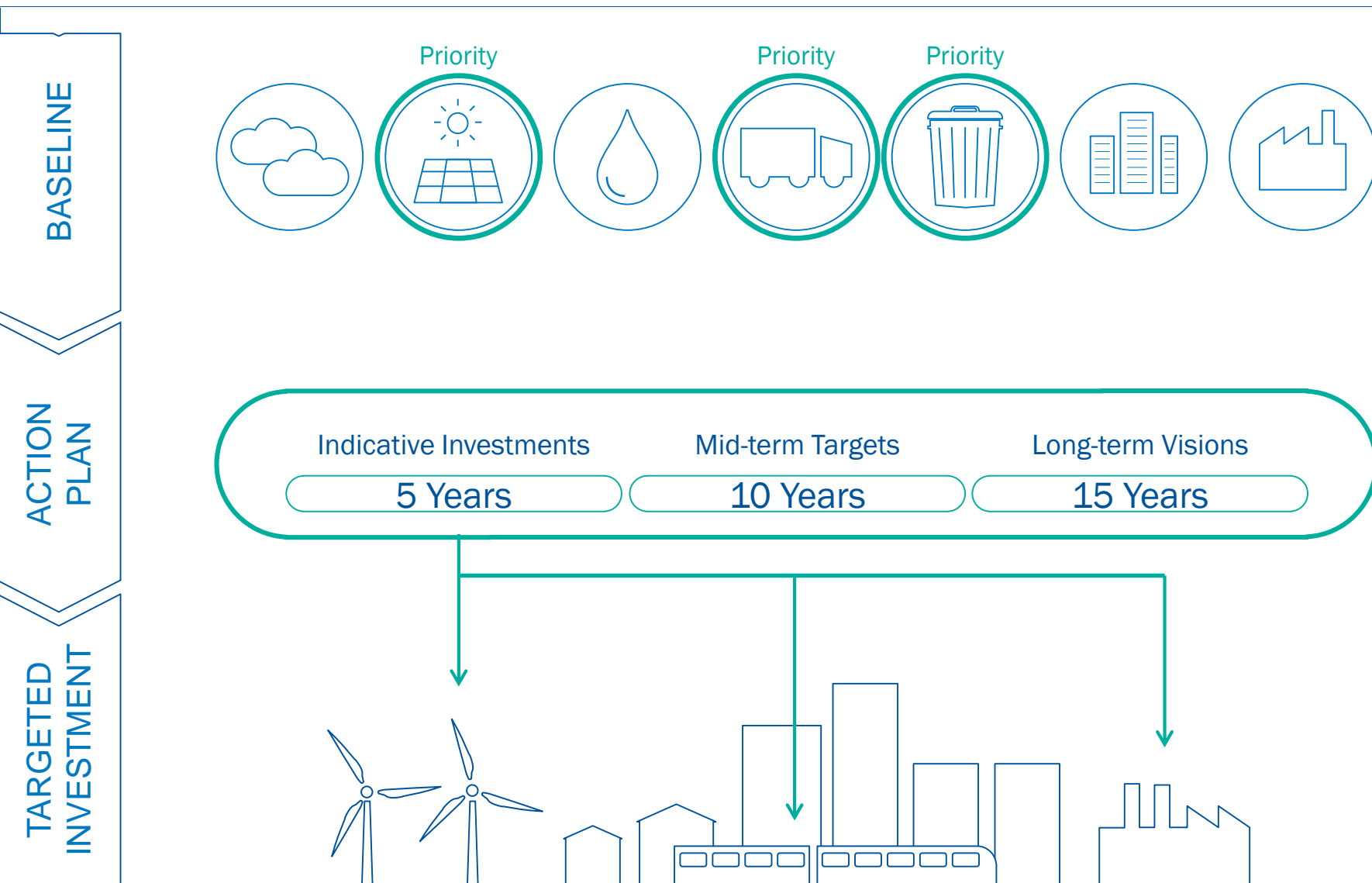
Examples

Banja Luka District Heating	Banja Luka GCAP	Banja Luka Water Phase 1 Banja Luka Water Phase 2
Water and wastewater investments	Water quality monitoring, leakage detection and control	Smart irrigation in green spaces

GCAPs: a Systematic Approach to Investments



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GCAPs – a systematic approach

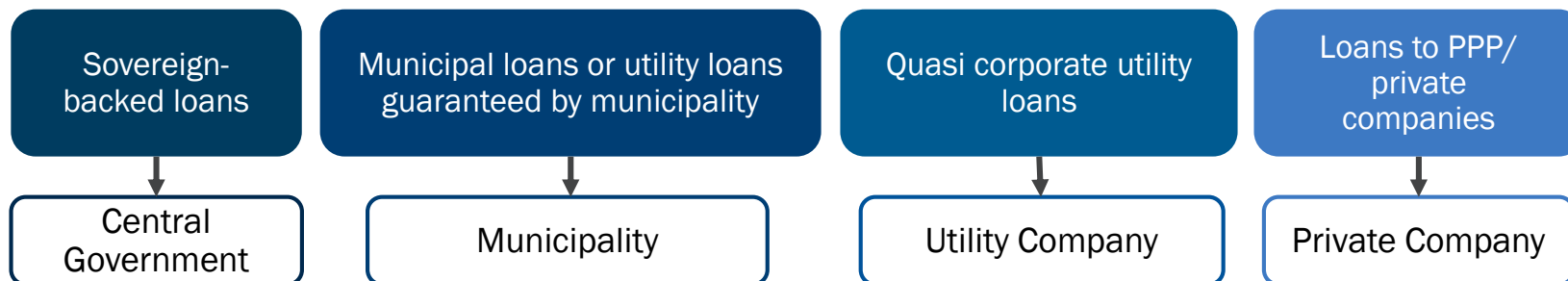


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Green City Infrastructure Investments

Financing Options



Investment Size

€ 2 million to € 150 million



Green Cities Projects Signed



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34
Projects Signed



€607m
TOTAL

(As of 23 October 2020)

Project	EBRD finance (€M)
1 Chisinau Buildings	€10m
2 Sarajevo Water	€10m
3 Belgrade Green Blvd	€20m
4 Batumi Bus	€5.5m
5 Banja Luka DH	€8.4m
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	€3.7m
13 Tbilisi Solid Waste	€15m
14 Minsk VK Wastewater	€84m
15 Craiova Urban Rehabilitation	€15m
16 Skopje Buses	€10m
17 Balti Trolleybus	€2.5m

Project	EBRD finance (€M)
18 Gyumri Urban Roads	€4m
19 Banja Luka Water	€4m
20 Tbilisi Bus extension	€65m
21 GAM Lagoon Remediation	€5m
22 GAM SW Crisis Response – Al Shaer WTS (MR3)	€3m
23 Skopje Wastewater	€58m
24 Sofia Electric Buses II	€0.5m
25 Novi Sad Bus Fleet Renewal	€7m
26 UB District Heating Project	€8.9m
27 Sarajevo Public Transport Part 1	€15m
28 Sarajevo Public Transport Part 2	€20m
29 Tbilisi Metro	€50m
30 Sarajevo Public Buildings	€8m
31 Banja Luka Water Phase 2	€6m
32 Khmel'nitsky Solid Waste	€13m
33 Tbilisi Bus extension tranche 2	€15m
34 Craiova Urban Rehabilitation (loan extension)	€9.2m

Ex: City of Banja Luka, BiH



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- **Trigger project** – Banja Luka District Heating (EUR 8.3m investment)
- **GCAP** prepared and adopted by the City. The GCAP has identified Water resources and the key and number one priority challenge for the City.
- **Investments** from the GCAP:
 - Banja Luka Water Phase 1 (EUR 4m)
 - Banja Luka Water Phase 2 (EUR 6m)
- Upcoming investments in 2021 – EUR 4m from the EU IPA to finance Banja Luka Water Phase 3.



Banja Luka Water Phase 1 and Phase 2 (total investments of EUR 10m by EBRD and EUR 2m by the City) introducing improved quality and reliability of water supply, and extended sewage collection (**Investment Part**), and (ii) introducing a Public Service Contract (“PSC”) between the City and the Public Utility “Vodovod” a.d. Banja Luka (the “Company”), eliminating cross-subsidy tariff system and improving operational efficiency of the Company (**Policy Part**).

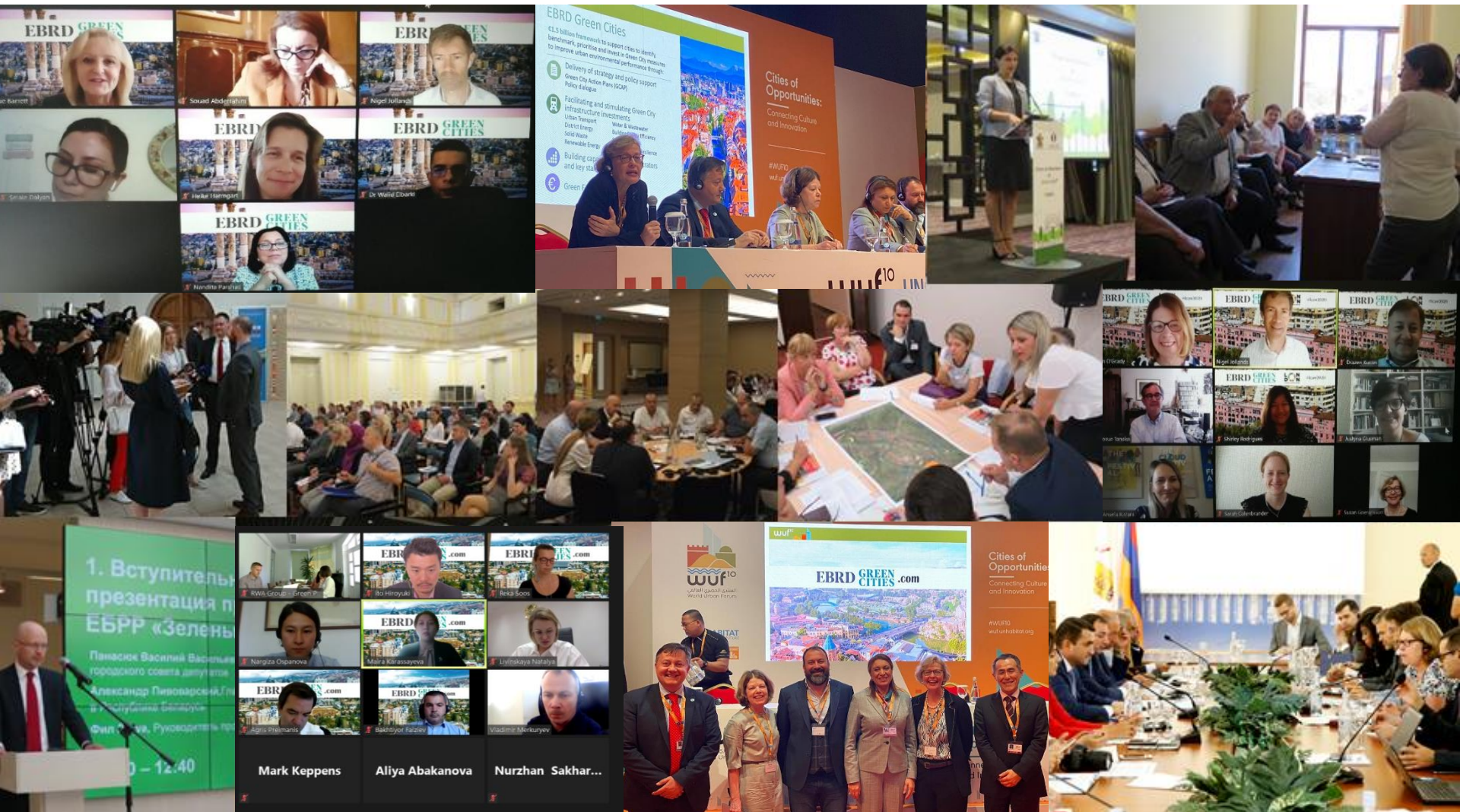


Banja Luka Water Phase 3 will continue on the above targets while discussion on additional investments (i.e. WWTP) are also progressing well.

Public Outreach



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Stakeholder Engagement Workshops



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GCAPs hold at least 3 stakeholder workshops at key milestones to ensure the outputs reflect the city's and its citizens' visions.

Stakeholder include:

Local city officials

CSOs

Utility companies

Universities

International organisations

Community groups



GCAP development and Green City projects have received donor support from:

Multilateral
climate
funds

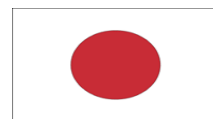


GrCF2 Window 1

GCF approved €87m of funding for EBRD Green Cities – funding is available to 9 countries

Bilateral,
EU, and
Other

 Federal Ministry
Republic of Austria
Finance



 Taiwan Business
EBRD Technical Cooperation Fund



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