

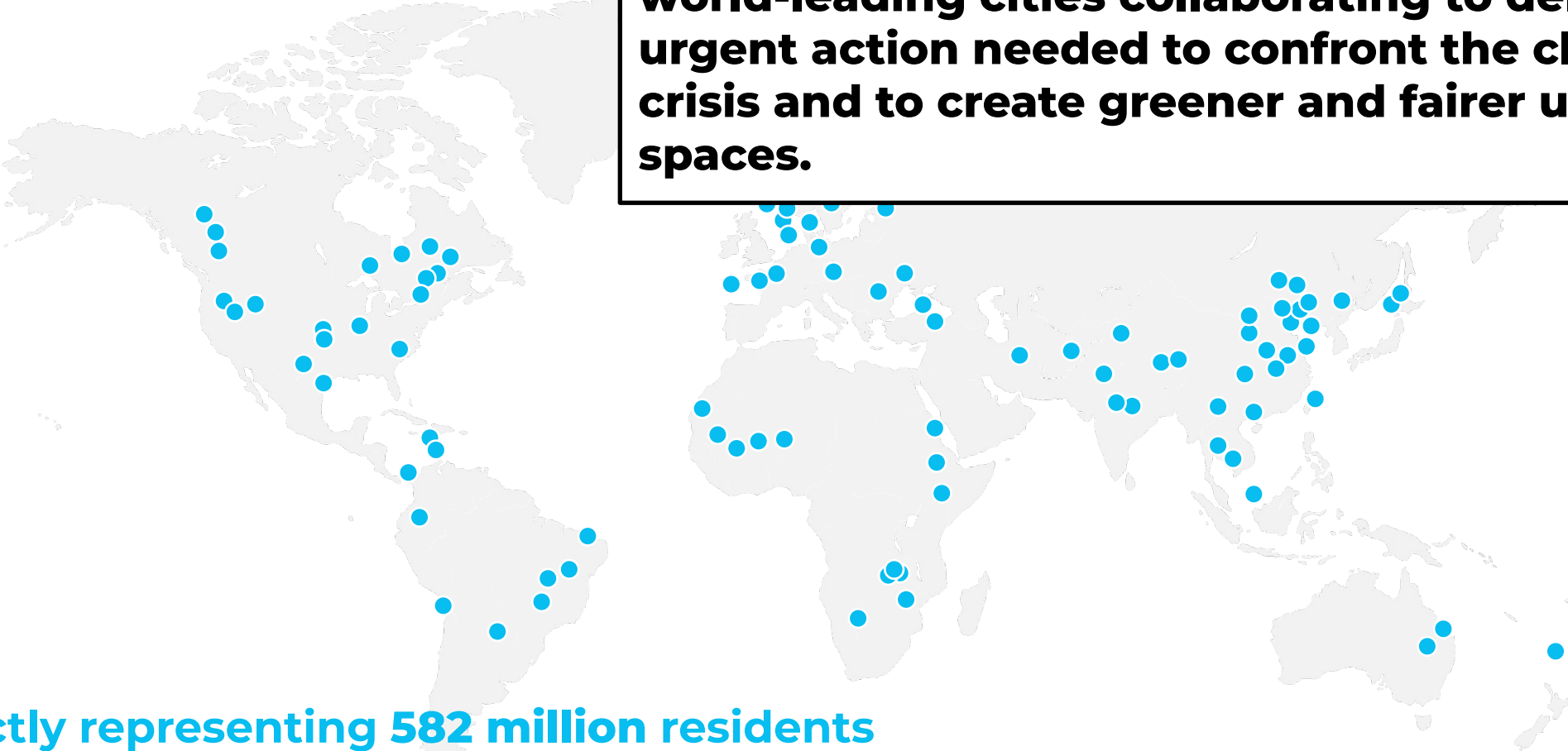
# Students Reinventing Cities Amman

A global competition for students and universities to share their visions and ideas for *a 15-minute city*



# C40 Cities

**C40 is a network of mayors of nearly 100 world-leading cities collaborating to deliver the urgent action needed to confront the climate crisis and to create greener and fairer urban spaces.**



**Directly representing 582 million residents and 20% of the global economy**



# Students Reinventing Cities competition

The competition aims to:

- **Create a space for students and universities** to **share their vision** of a more sustainable and inclusive city and generate **fresh ideas**.
- **Strengthen students' knowledge** on the leading solutions, policies and technologies for **climate change**.
- Actively **drive collaboration between students and city governments** to deliver new approaches for **low carbon urban development**.



# Success of the past edition



Press Release 2021-09-28

## 18 outstanding teams announced as winners of students reinventing cities competition

1,100 students from 150 universities respond to the call for ideas to reinvent parts of their cities.

## Students reinventing cities: two PSL projects won the C40 international competition

LE 28 SEPTEMBER 2021

Partager : [Twitter](#) [Facebook](#) [LinkedIn](#) [Print](#)

Two joint teams of students from PSL, New York University (NYU), and George Washington University (GWU) won the C40 "Students reinventing cities" competition.



18 cities took part  
1000+ international students participated  
150+ universities



## TEDx Students Reinventing Cities



## Winning Projects

Find all the winners site by site



WORLD ARCHITECTURE NEWS

### Students Reinventing Cities: C40 Cities competition to combat climate change

Teams of university students will share their vision for transforming 18 city neighbourhoods to deliver a green and just recovery from the COVID-19 crisis

australian design review

Architecture Interiors Objects Resources 30UNDER30 IDEA PODCAST

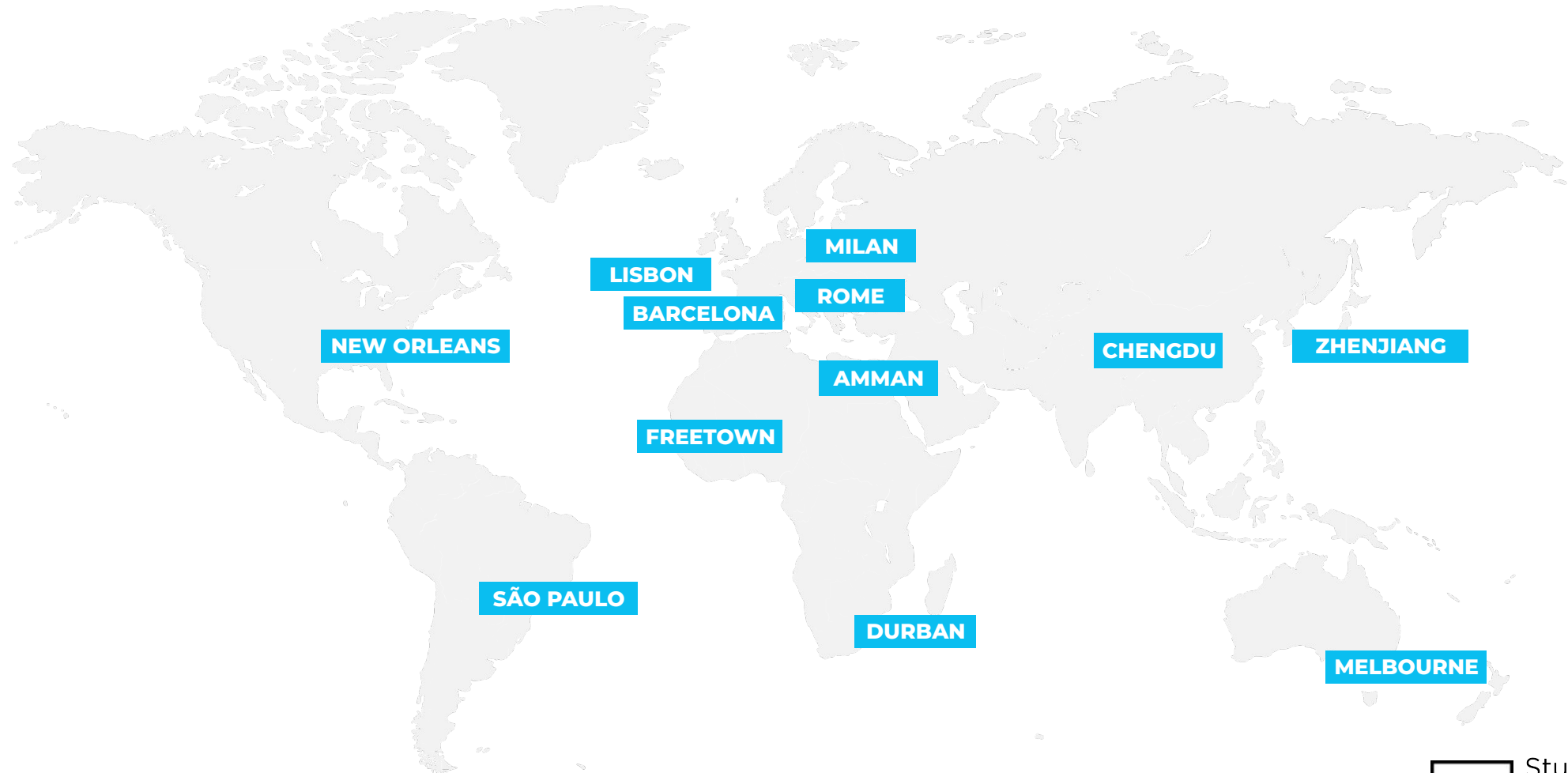
Home • Architecture • Students to reinvent and decarbonise 18 cities for C40 Cities competition

Students to reinvent and decarbonise 18





# ...and this year we have 12 participating cities



# How it works



**Identify large scale sites they would like to transform & revitalize**



**Organises the international competition**



**Submit their best proposals to regenerate the urban areas**



**Green & Thriving Neighbourhoods**



# Competition Framework

## Regulations & Guidance



**Students Reinventing Cities**


**Students Reinventing Cities**

*A global competition for universities and students to share their vision for green & thriving neighbourhoods*

**Regulations for the Competition**

**Table of Contents**


- Foreword
- Objectives
- Structure of the competition
- Calendar
- Team Composition
- The 10 Principles for a Green & Thriving Neighbourhood
- Submission
- Evaluation Criteria and Juries
- Awards



**Students Reinventing Cities**

*Guidance to Design a Green and Thriving Neighbourhood*

## Site Form + Dataroom



**Name of the site, City**  
*More details on the address (Postcode/Area)*

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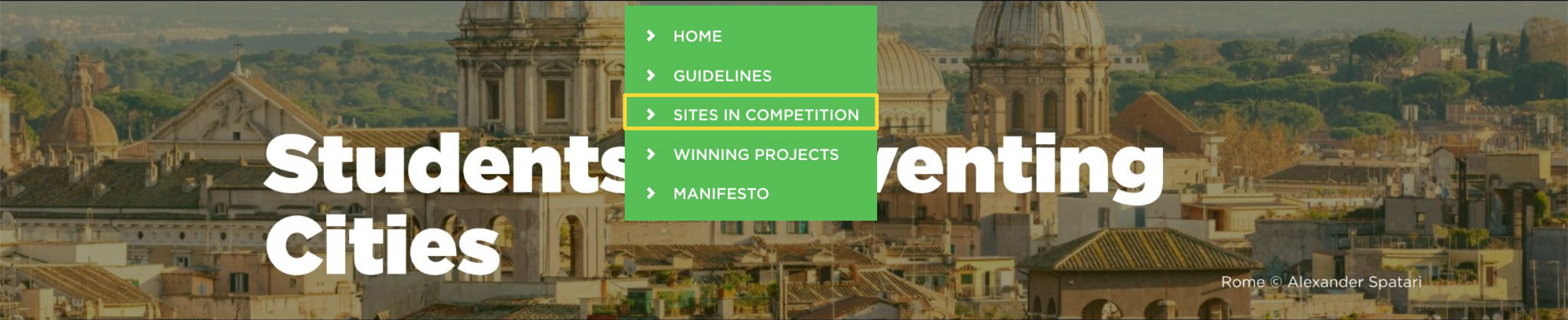
-  **Competition framework documents**
-  **Site Documentation**
-  **FAQ.xlsx** 

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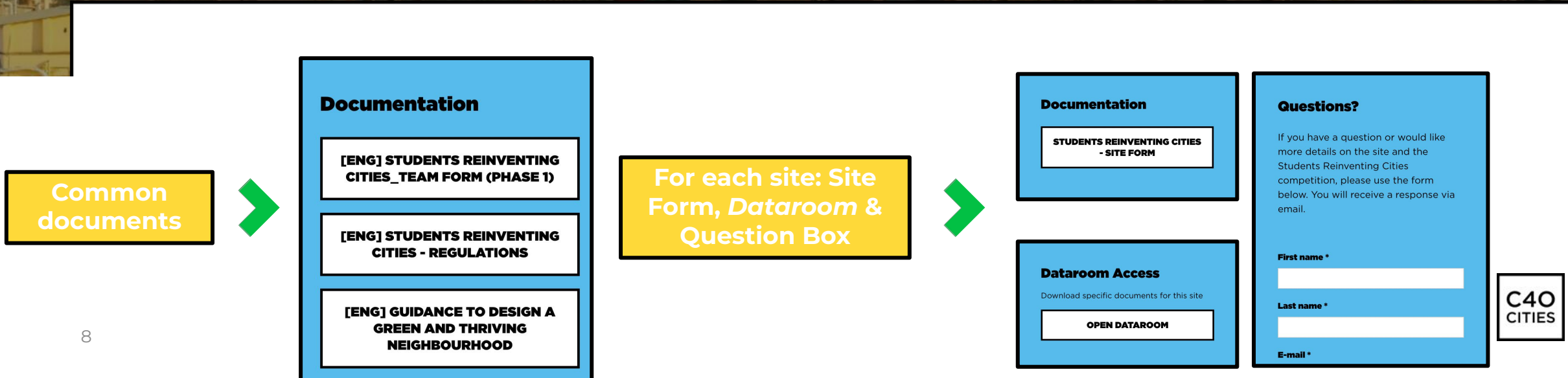
**Students Reinventing Cities**

# Access to information



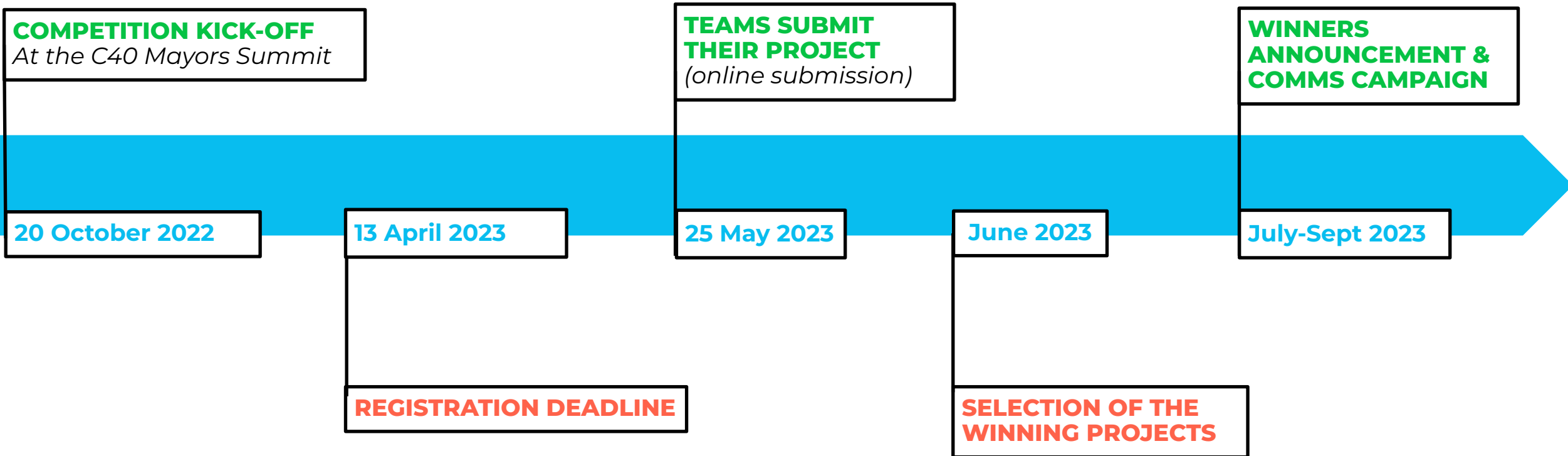
- > HOME
- > GUIDELINES
- > SITES IN COMPETITION
- > WINNING PROJECTS
- > MANIFESTO

# Students Reinventing Cities





# Timeline



# Submission process

**Phase 1**

**Registration**



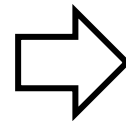
**Workshop for teams**



**Phase 2**

**Final Proposal**

- **Team Form**
- **Presentation of the Project**
- **Graphic Presentation**
- **Implementation Plan**



**Selection of 1 winning team per city**

*\*Special mentions may be included*



# Team composition

- Include at least **1 current university student**, enrolled in the 2022-2023 (or 2023) academic year
- May include **youth under 25**
- **Multidisciplinary teams** - students in *architecture, urbanism, environment, engineering, real estate, sociology, economy, arts, etc.*
- Students from the **same/ different universities & departments** and **local/ international universities**
- **1 member** as main point of contact for group (*must be a current university student*)





# Participating teams

## Teams can:

- **Enlarge/ modify** their consortium as they want after registration
- Include a **faculty advisor**, consult **external experts** and engage with **stakeholders** such as the local community and residents
- Ask **questions** to the cities and C40 through the webpage





# Judging criteria

Jury composed of representatives from the **City, C40 & external experts**. Jurors names will be made public. Evaluation criteria:

- **Quality of the **team** and approach to developing the project**
- **Quality of **design** and relevance of the project to the specifics of the site**
- **Proposed solutions to respond to the **10 principles** for a green & thriving neighbourhood**
- **Feasibility** of the project





# Winning teams awards

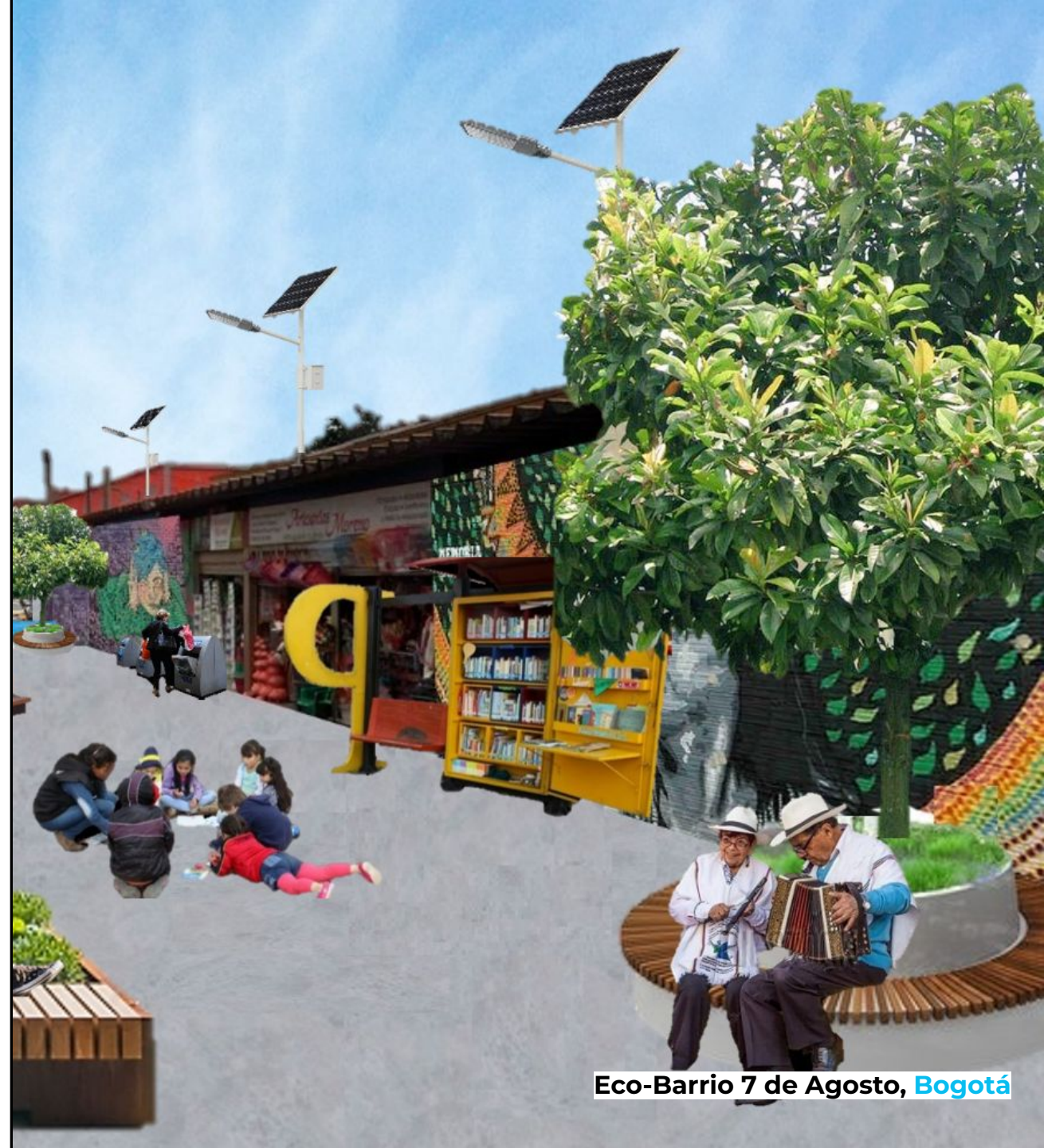
Receive an **official certificate** signed by the Mayor & C40 Executive Director

Receive coverage in local & global **communication campaigns**

Be **featured in official video** sponsored by C40 that will celebrate their project

Be **invited to present project** to business leaders/city officials/climate organisations

Be invited to stay involved with an **advisory role** for the area + additional city-specific awards (*optional*)



Eco-Barrio 7 de Agosto, Bogotá



# The 15-Minute city and Green and Thriving Neighbourhoods Guidelines





# The Rationale

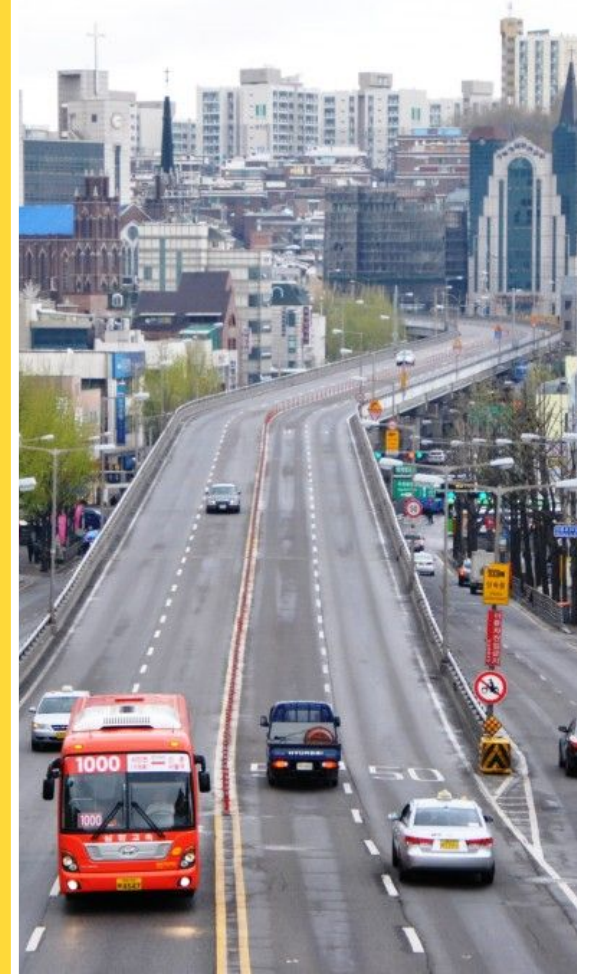


*Past urban models increasingly promote sprawl, car-oriented planning and over-specialization of city neighbourhoods.*

*This model leads to long commutes, poor air quality, and a lack of amenities in many neighbourhoods, entrenching inequalities, perpetuating unsustainable lifestyles, and reducing people's quality of life.*

**We must find our way back to urbanise in harmony with nature and people.**

**The 15-minute city can help us to do so.**





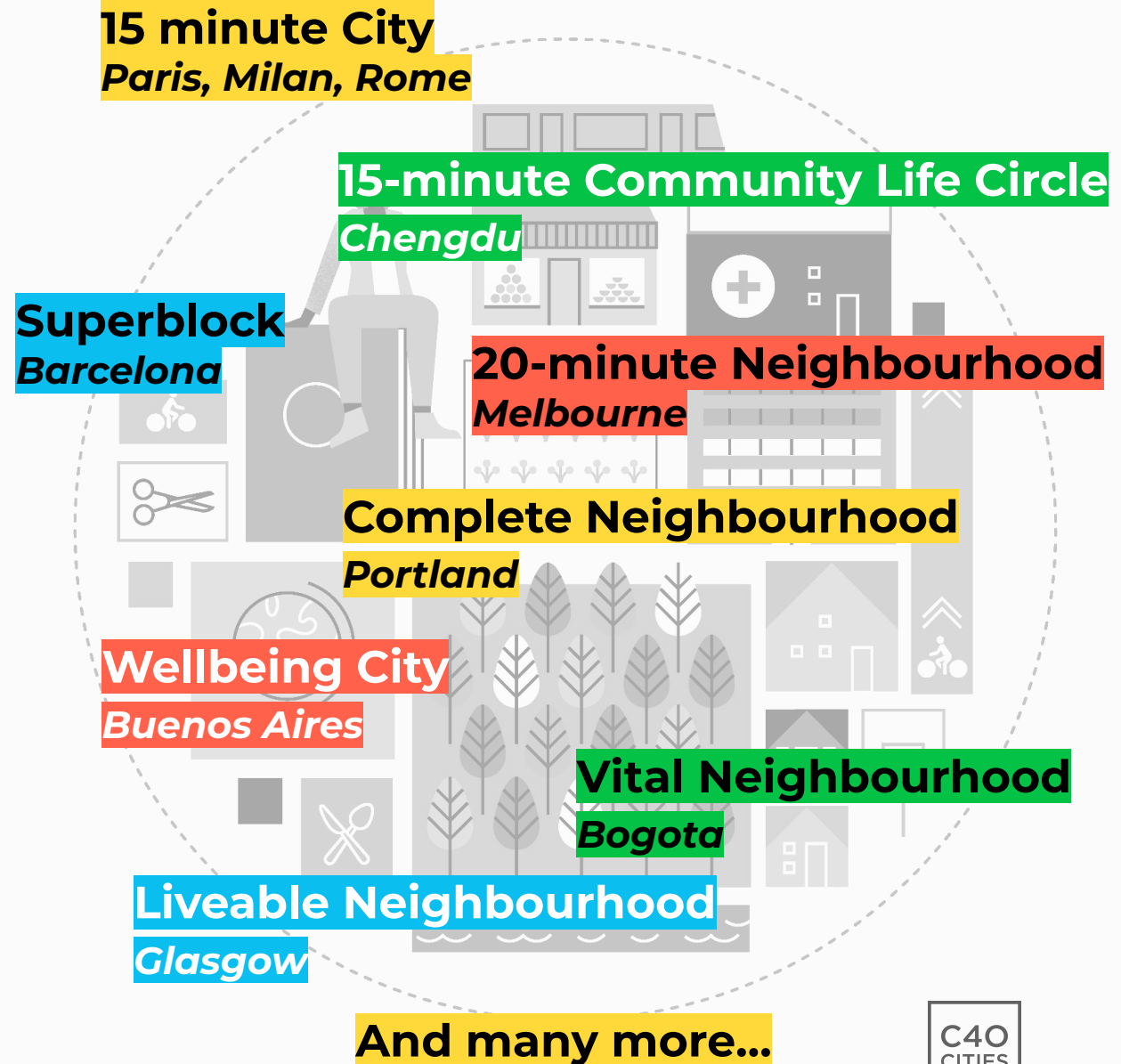
# The 15-Minute city

## Introduction

The 15-minute City is an urban model that allows everyone, in every neighbourhood to meet most of their daily needs within a short walk or bike ride of their home.

Many cities across the world have developed **similar people-centred approaches** using various names.

**The latest IPCC report places a particular emphasis on the concept of 15-minute City. It states that this model can contribute to a better spatial planning and reduce GHG emissions by between 23-26% by 2050.**



# The neighbourhood opportunity

## A new focus for climate action

The Covid-19 crisis and the development of remote working has re-emphasized the importance of the local environment and **proximity**, reinforcing the appetite for 15-minute cities.

**The neighbourhood, therefore, appears as an ideal scale for pandemic recovery, as well as a new focus to respond to the urgency of the global climate crisis.**





# Guidance for students

## A cross-sectoral approach

To deliver a green and thriving neighbourhood, students must integrate different actions and approaches.

**Cross-sectoral approach is key to maximize the environmental and social benefits.**

C40 has defined **10 principles** for a green and thriving neighbourhood for students to consider in their projects.





# Examples of actions

- **Re-prioritizing streets for active mobility**
- Reclaiming spaces from cars to develop new uses for people (eg. school streets project, placemaking actions)
- Proposing meanwhile uses in vacant plots and buildings
- Implementing programs to support local shops, creating shared services hub & co-working places
- Providing more housing choices & running community engagement process to harness more inclusive and cohesive community
- Harnessing green spaces and using nature based-solution to tackle urban heat & flood risks
- Installing community facilities to encourage behavioral change (eg. compost facilities, zero waste or second hand shops, euse & repair hubs...)





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**Thank you!**  
**Let's create**  
**#TheFutureWeWant**

[c40reinventingcities.org](https://c40reinventingcities.org)

**C40**  
CITIES

Students  
Reinventing  
Cities



Students  
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Cities

C4O  
CITIES



Tuesday  
**4**  
April

**11.30 (EEST)**  
In-person &  
via Zoom

Students Reinventing Cities  
**Amman**  
Info Session

**Register now!**

Learn more about the Students  
Reinventing Cities competition in Amman and  
how to get involved!





- Location / Amman



Amman is the Capital of Jordan .

Amman is the country's economic, political and cultural center. Located in the Centre of Jordan, with a **population around 4.4 Million inhabitants**. The city has **an area of 800 square kilometers**.

With a rich history that goes to around 8000BC, Amman is considered today as one of the most modernized Arab cities. It is a major tourist destination in the region, and it is continuously trying to improve its image and products to attract, tourists and investors while keeping its identity preserved.

- Challenges/ Amman

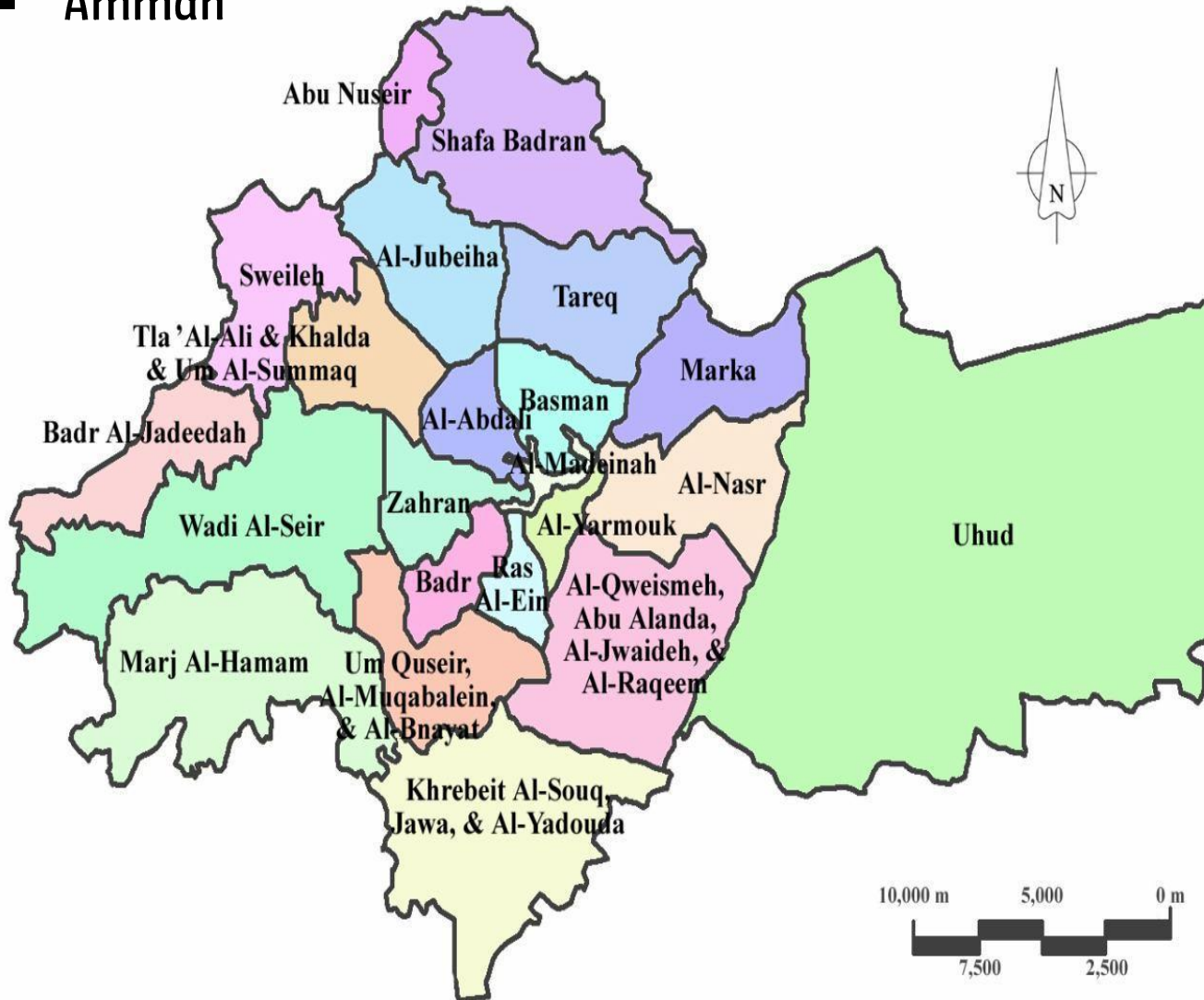
Amman like many other cities is facing many challenges such as rapid urbanization, increase in population besides the challenges in the field of environment, energy and finance .



- Rapid Urbanization
- Scarce natural resources (in particular water)
- Successive influxes of refugees
- Urban Sprawl
- Inadequate Roads & Transport Infrastructure
- Loss of Agricultural Land
- Socioeconomic Segregation
- Declining Housing Affordability
- Single-Use Zoning & Development
- Unemployment
- Topography & hilly slopes
- High annual growth rates in energy consumption



## ■ Amman



- The area is 800 km<sup>2</sup> divided into 22 administrative districts
- More than 40% of Jordan's population is within GAM.
- The population of Amman is growing rapidly due to immigrants and refugees (Around half a million Syrian refugees are now living in Amman).

## ■ Al-Mahatta/ Amman Background and Description



Mahattah was reinforced in 2004 by the relocation of all the activities previously operating in Raghadan,

The Mahattah bus station is located in a narrow strip surrounded by two highways and is part of a wider zone made of four contrasted areas with their own urban fabric,

The station is home to 89 lines, mixing inner-city lines operated by GAM and inter-cities routes under the supervision of LTRC/MOT.

It also incorporates market places (166 shops ,plus street vendors and a second-hand market).

Those activities are organized around existing buildings made of a factory , a mosque, an NGO head office , a warehouse, and various other buildings owned by GAM.





- 1 & 1b** Al Mahahtta Station
- 2** Jabal Alnaser
- 3** Mukhayam AlMahatta
- 4** Urban Strip

The Al Mahattah bus station is a transport hub in Amman (Zone 1 and 1b area is 83 Dunom) with a number of passengers per day estimated up to **350,000**, this number would be almost doubled to **600,000** with the BRT



Mahattah Strip Consists of

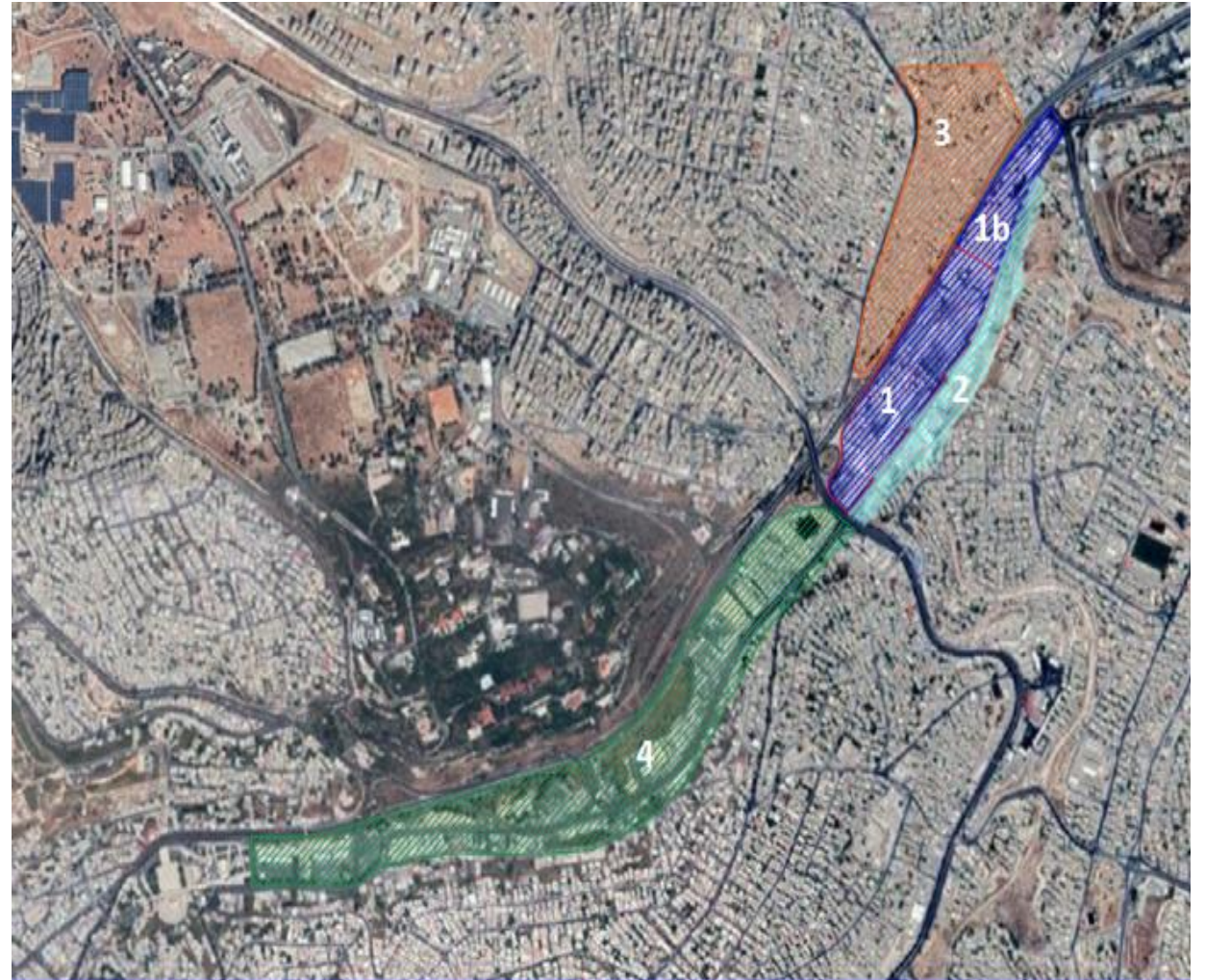
Zone 1 and 1b  
83 Dunam

Zone 2  
about 45 Dunam

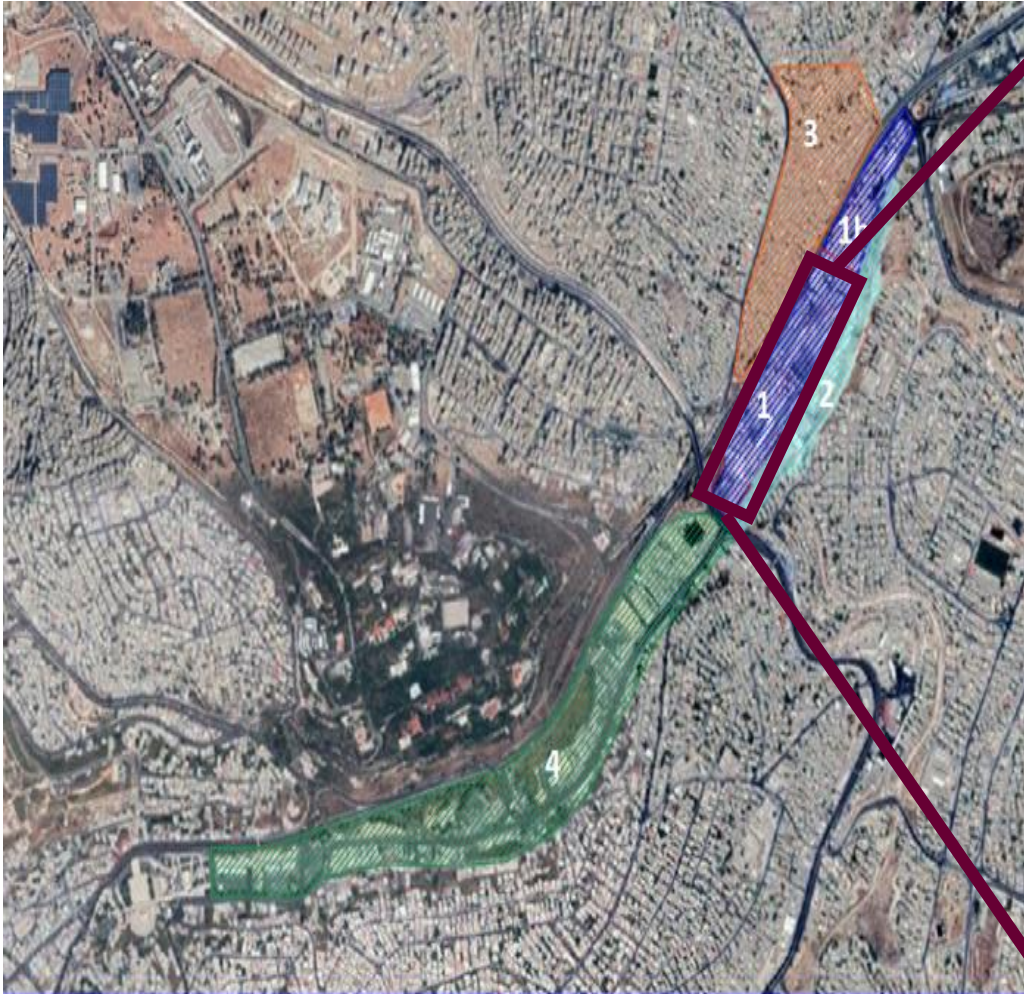
Zone 3—  
about 100 Dunam

Zone 4  
about 250 Dunam

Surrounding districts are Marka, Basman, Almadenh and AlNasir



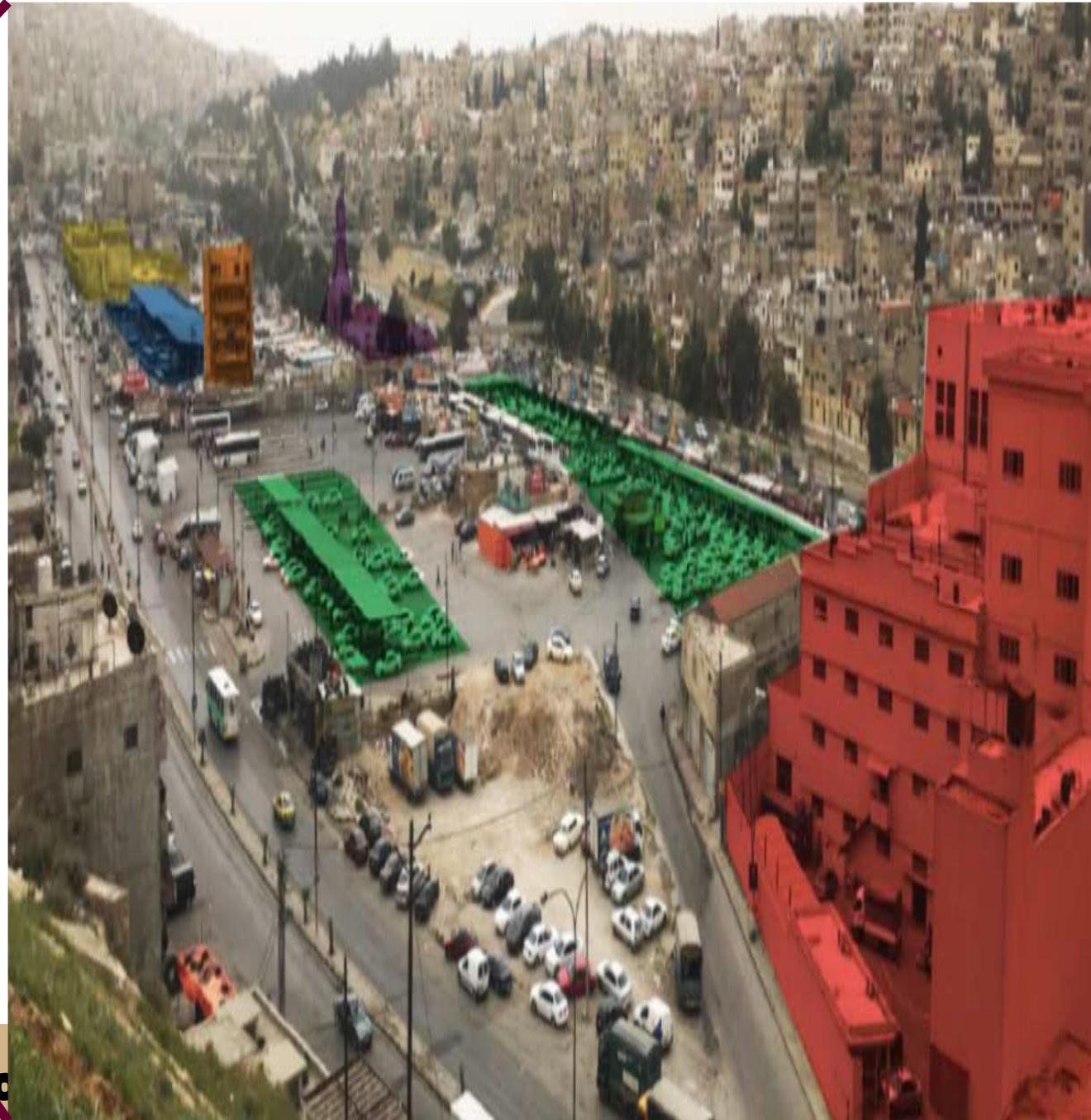




BRT Station Future  
 Tarket um ali & Mosque  
 Administration  
 Building Factory

White Taxi  
 Bus Terminal

ities Co



Byo









الخطبة

بوسنة السبط

رعدان صوبلج السبط 10

VECTIO C

الخطبة: الداخلية  
الجامعة الأردنية  
صوبلج الجامعة  
الأهلية السبط

الخطبة







## Existing Components



- |   |                                      |                           |  |
|---|--------------------------------------|---------------------------|--|
| (1) BRT terminal                                  | (5) Transition area (Existing shops) | (9) Parking space         | (13) Potential development area                              |
| (2) Parking lot                                   | (6) White Taxi's terminal            | (10) Existing shops       | (14) Second-hand Market                                      |
| (3) Social Services                               | (7) Existing shops                   | (11) Pasta Factory        | (15) A. Tkiyet Um Ali storage<br>B. GAM Building (abandoned) |
| (4) A. Bus terminal ,<br>B. GAM Building / police | (8) Bus terminal                     | (12) Potential shops area | (16) GAM Building  |
|   |                                      |                           | (17) Street vendors  |



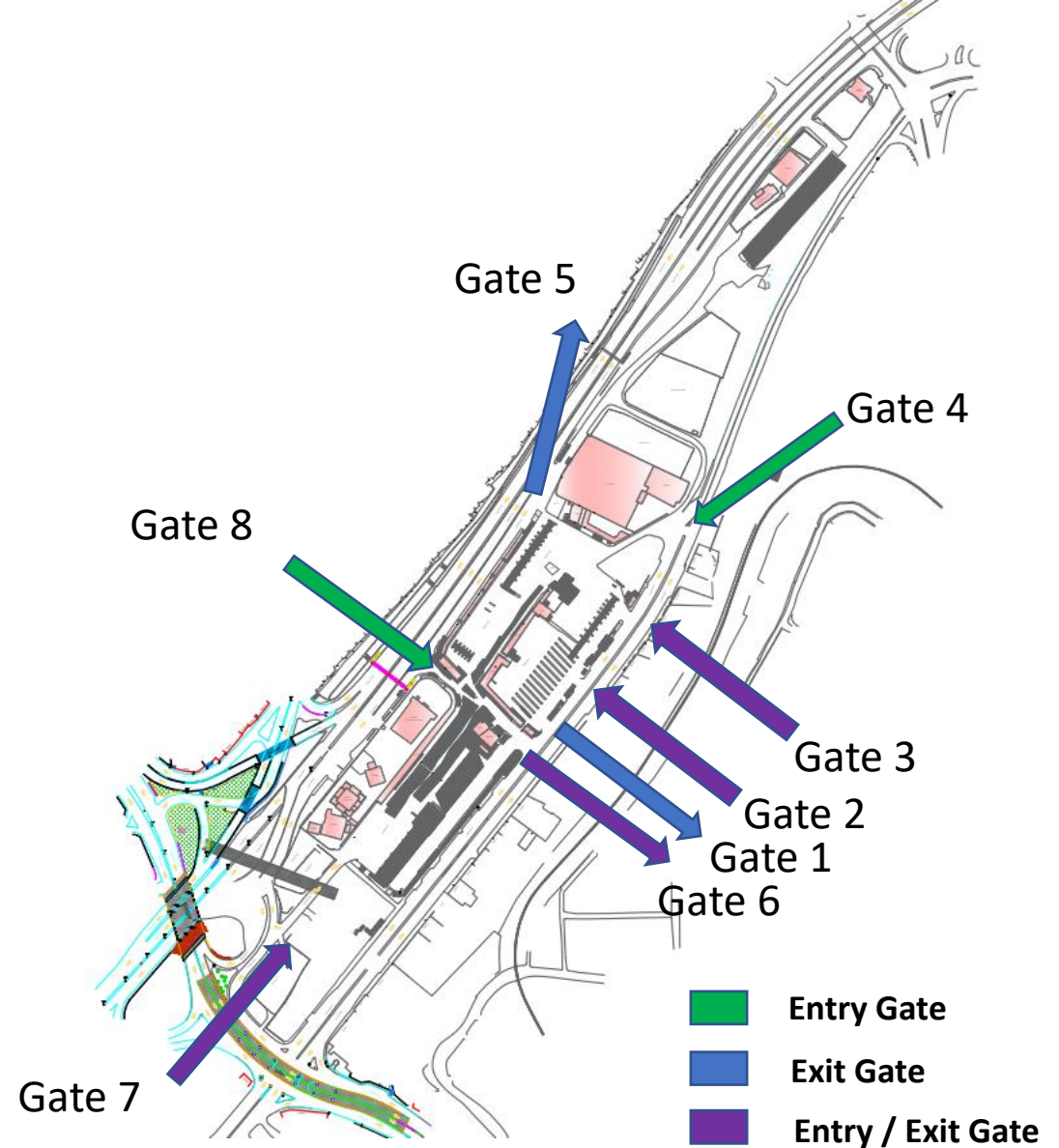
## ➤ Land Use and Ownership





# Al Mahattah Terminal

- Number of lines at Al Mahattah ; 88 lines, mixing inner-city lines and inter-cities routes operated by:
  - GAM (78 routes)
  - LTRC (10 routes under the supervision of MOT)
- Maximum number of commuters using Al Mahattah in the survey period (7 – 10 am , 3–6 pm and 7-9 pm) is approximately **39,000**
- Pedestrian demand at maximum was 336 person entering / peak hour (pedestrian bridge from Al Hashmi)





## ➤ Zone 2 – Jabal Al Nasser

At the eastern side of the station on the other side of King Abdullah St. on top of the steep slope lies Jabal Al Naser neighbourhood; specifically zone 2 of this project (Area approx. 67 donums) as highlighted in the figure.

The area administratively belongs to Al Naser District.  
And here we have **a major challenge in Accessibility** issues .





## ➤ Zone 3 – Palestinian Refugee Camp

- At the Western side of the station on the other side of Al Jaish St. lies zone 3 of this project (Area approx. 140,000 m<sup>2</sup>) as highlighted in the figure.
- Around (7,667) person lives in Zone 3. The area administratively belongs to Basman District.





## ➤ Zone 4 – Urban Strip

This zone is underdeveloped although it has strategic location linking Raghadan to Al Mahatah terminal through a nice walking but slightly hilly route.

it is mainly dominated by commercial activities (commercial shops, car companies , car maintenance shops , spare parts and car-wash facilities) as well as many vacant, green or abandoned spaces.

The zone is well connected to other highly dense neighbourhoods through a network of stairs.

There are also other interesting attractions such as: historical building , church and mosque and a football playground.





## ▪ Objectives and Needs

- ✓ The implementation of a **Public Transport Terminal** that would accommodate Buses, White and Yellow taxis.
- ✓ **An Inter Urban Modality platform** to be implemented to link both terminals that will emphasise commuters interaction with surrounding activities and enable multi-modal exchange.
- ✓ **The preservation of Social Services activities** with upgrading of their surroundings to interact with the site in a better way.
- ✓ **A commercial souq** to accommodate the commercial activities in an organised way.
- ✓ a **public surface parking area** is placed.
- ✓ **landscape and environmental improvements , green approach and practice , public space for human interaction , Accessibility**
- ✓ **A minor service area** (for parking & fuelling mainly) next to the BRT terminal.
- ✓ **A location for Investment Opportunity.**



# Resilient Amman Strategy Pillars

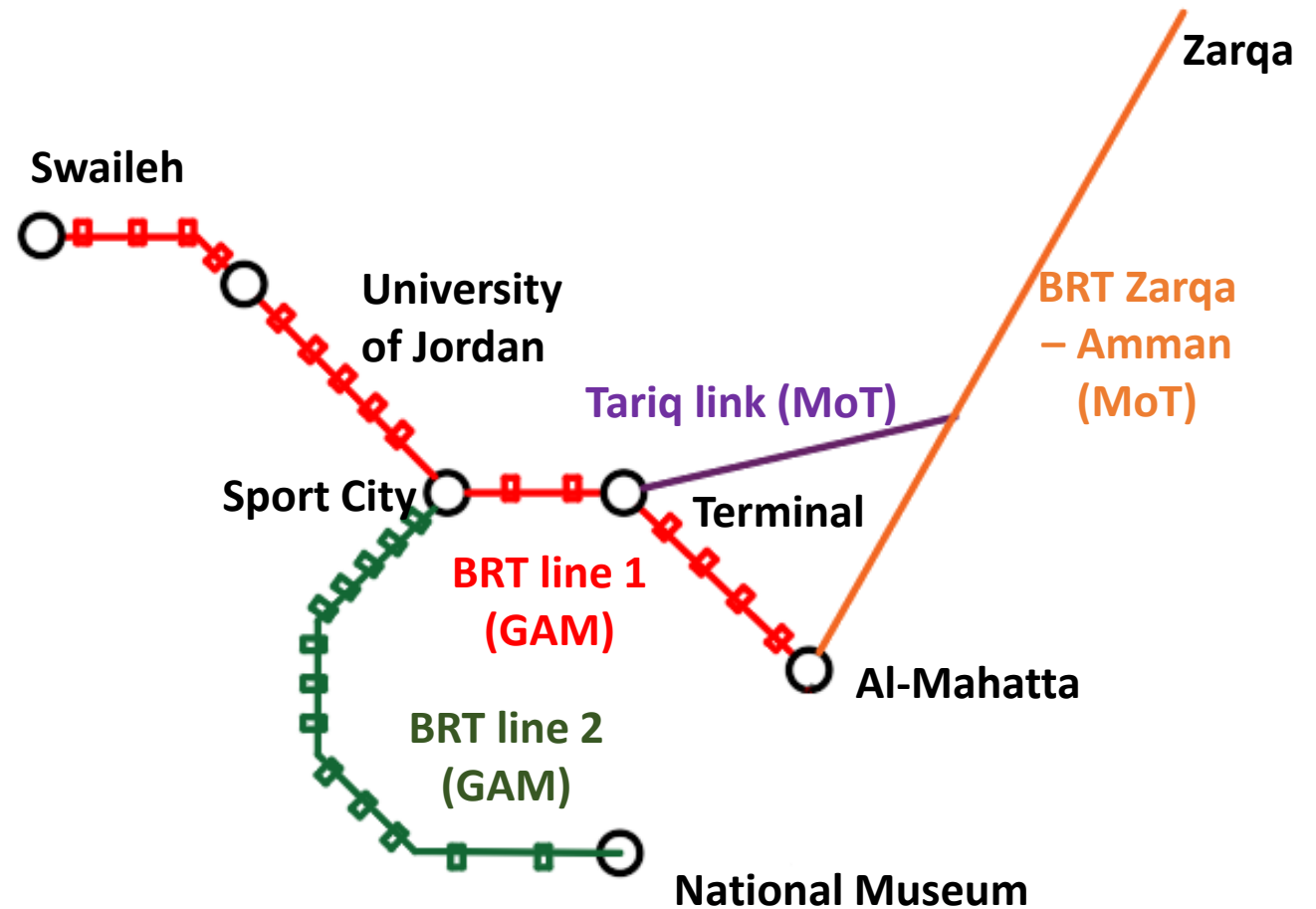


[https://www.100resilientcities.org/wp-content/uploads/2017/07/170515-100RC-Amman\\_English-FINAL\\_Ir.pdf](https://www.100resilientcities.org/wp-content/uploads/2017/07/170515-100RC-Amman_English-FINAL_Ir.pdf)



## BRT routes

- Taking into consideration the expected development, especially after the completion of the **BRT project** and the operation of the station with the tow projects of Amman and Amman-Zarqa
- This station will rise possibilities of investments, in turn, it will drive into **social and economical development** in the area.







**Thank You**