

Students Reinventing Cities Durban

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



01.
Introduction

02.
Presentation of the Competition
Ellie White - Students Reinventing Cities
Project Officer | C40 Cities

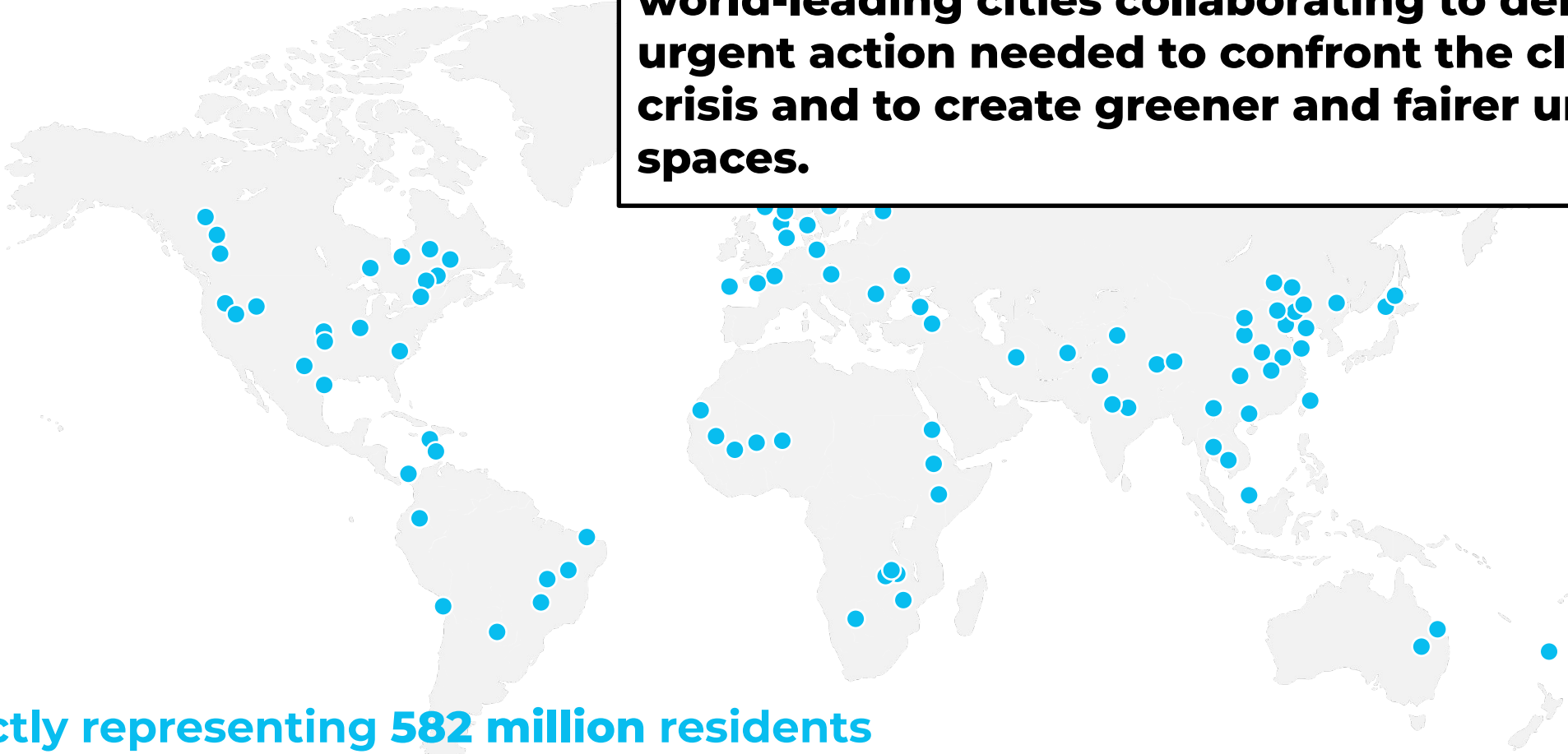
03.
Green & Thriving Neighbourhoods
Costanza De Stefani- Reinventing Cities
Project Manager | C40 Cities

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Site Presentation
Smiso Bhengu - Senior Climate Change
Scientist | EThekweni Municipality

05.
Q+A

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



C40 CITIES Students Reinventing Cities

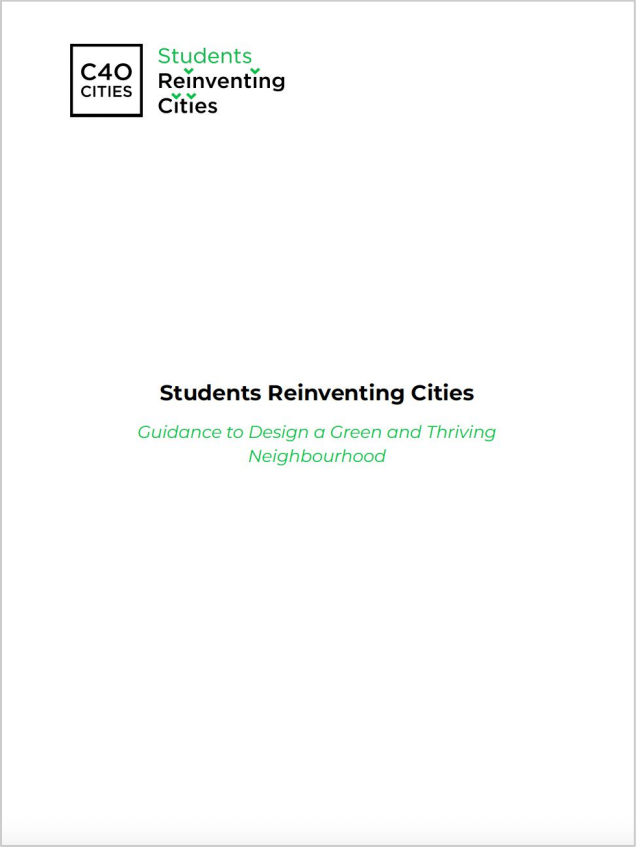
Students Reinventing Cities

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

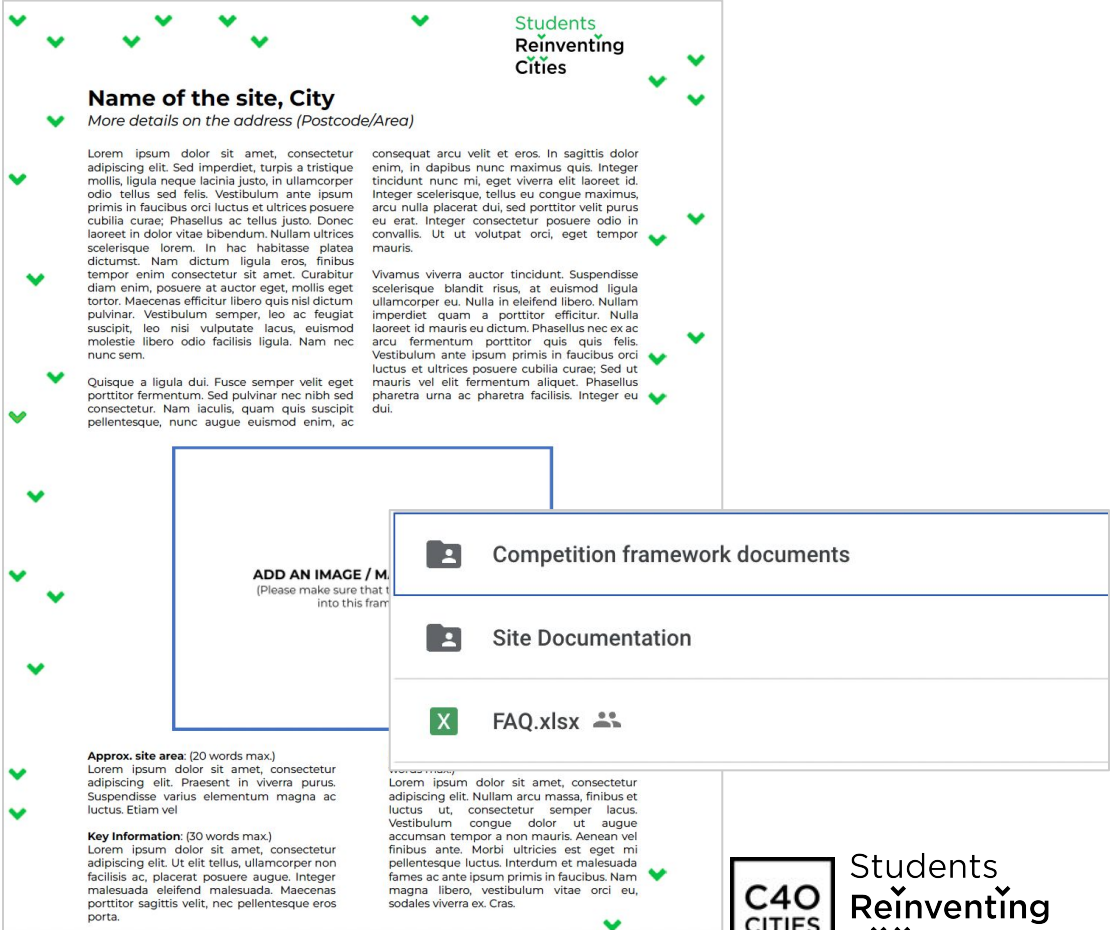


C40 CITIES Students Reinventing Cities

Students Reinventing Cities

Guidance to Design a Green and Thriving Neighbourhood

Site Form + Dataroom



C40 CITIES Students Reinventing Cities

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

ADD AN IMAGE / VIDEO
(Please make sure that it fits into this frame)

Approx. site area: (20 words max.)
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent in viverra purus. Suspendisse varius elementum magna ac luctus. Etiam vel

Key Information: (30 words max.)
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut elit tellus, ullamcorper non facilisis ac, placerat posuere augue. Integer malesuada eleifend malesuada. Maecenas porttitor sagittis velit, nec pellentesque eros porta.

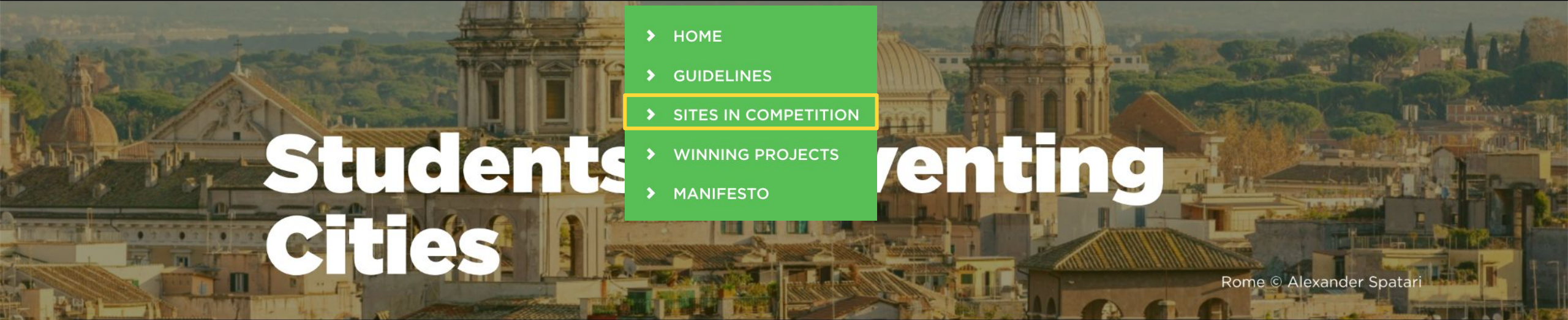
Competition framework documents

Site Documentation

FAQ.xlsx

C40 CITIES Students Reinventing Cities

Access to information



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

Students Reinventing Cities

Common documents

Documentation

- [ENG] STUDENTS REINVENTING CITIES_TEAM FORM (PHASE 1)
- [ENG] STUDENTS REINVENTING CITIES - REGULATIONS
- [ENG] GUIDANCE TO DESIGN A GREEN AND THRIVING NEIGHBOURHOOD

For each site: Site Form, Dataroom & Question Box

Documentation

STUDENTS REINVENTING CITIES - SITE FORM

Dataroom Access

Download specific documents for this site

OPEN DATAROOM

Questions?

If you have a question or would like more details on the site and the Students Reinventing Cities competition, please use the form below. You will receive a response via email.

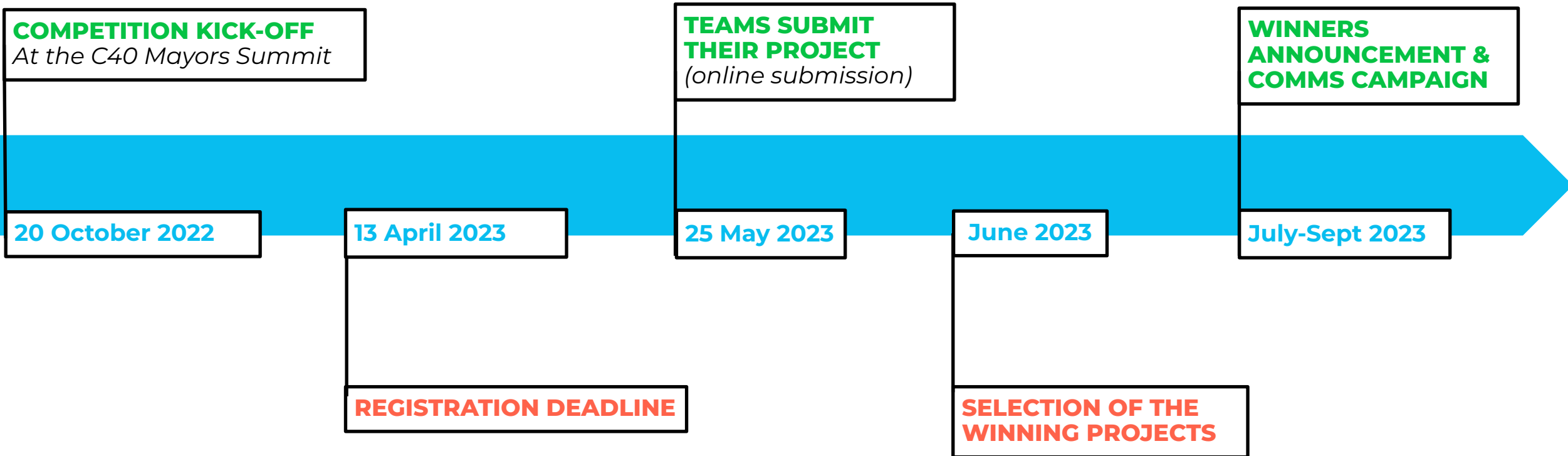
First name *

Last name *

E-mail *



Timeline



Submission process

Phase 1

Registration



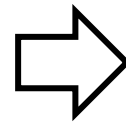
Workshop for teams



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

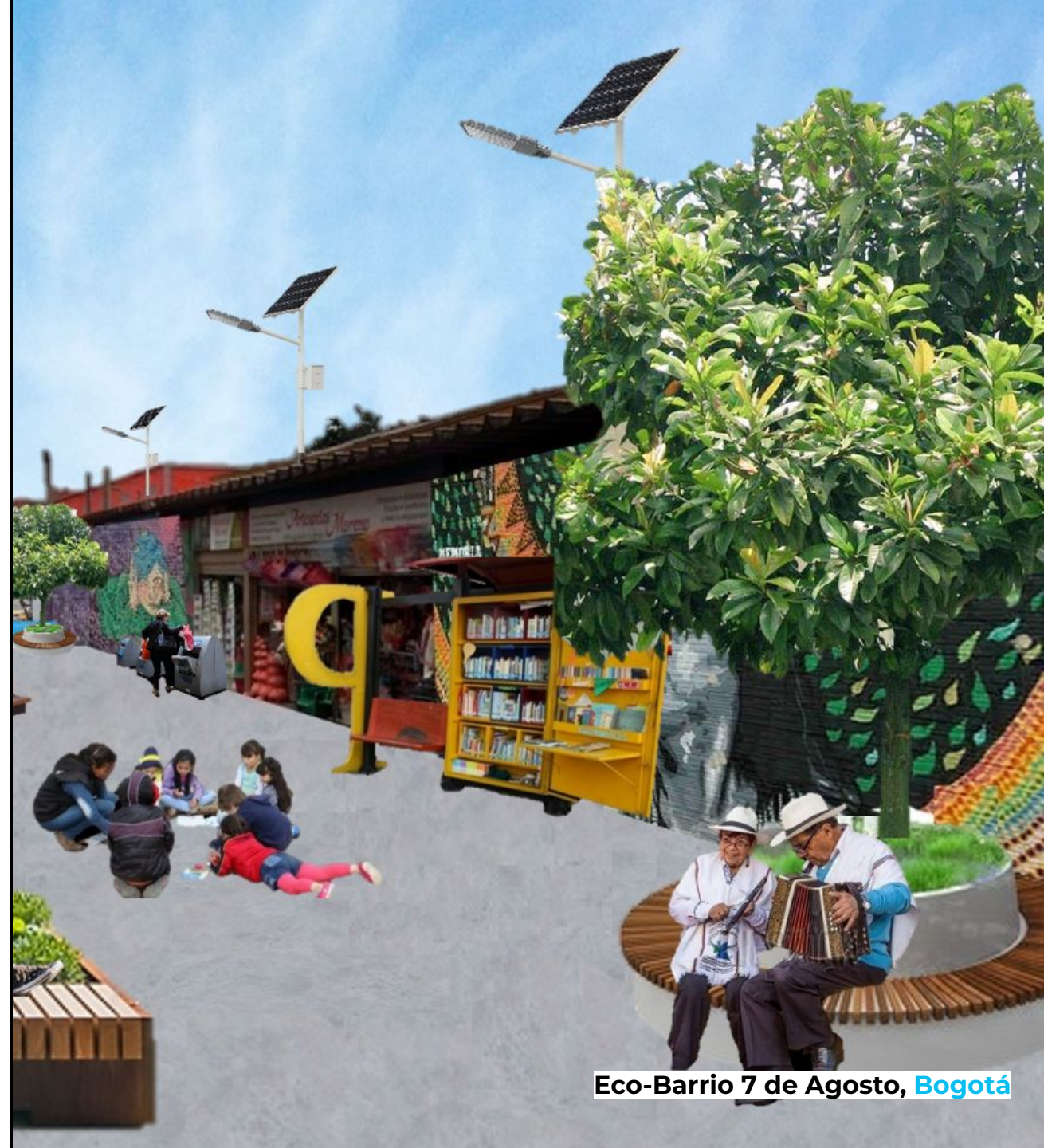
Receive an **official certificate** signed by the Mayor & C40 Executive Director

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

Costanza de Stefani-
C40 Cities

C40
CITIES



The Barrio Catalysts, [Madrid](#)

The Rationale

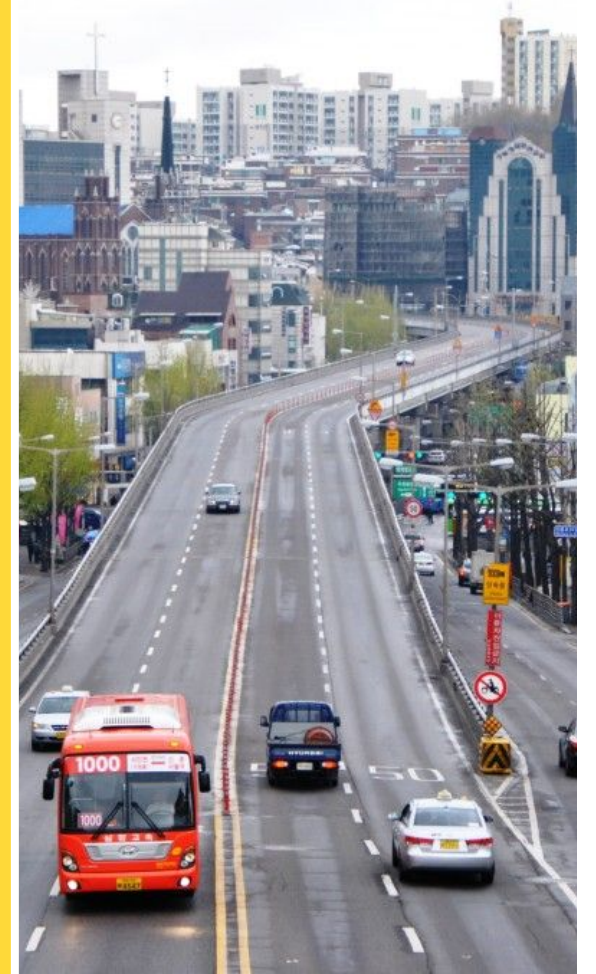


Past urban models increasingly promote sprawl, car-oriented planning and over-specialization of city neighbourhoods.

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.



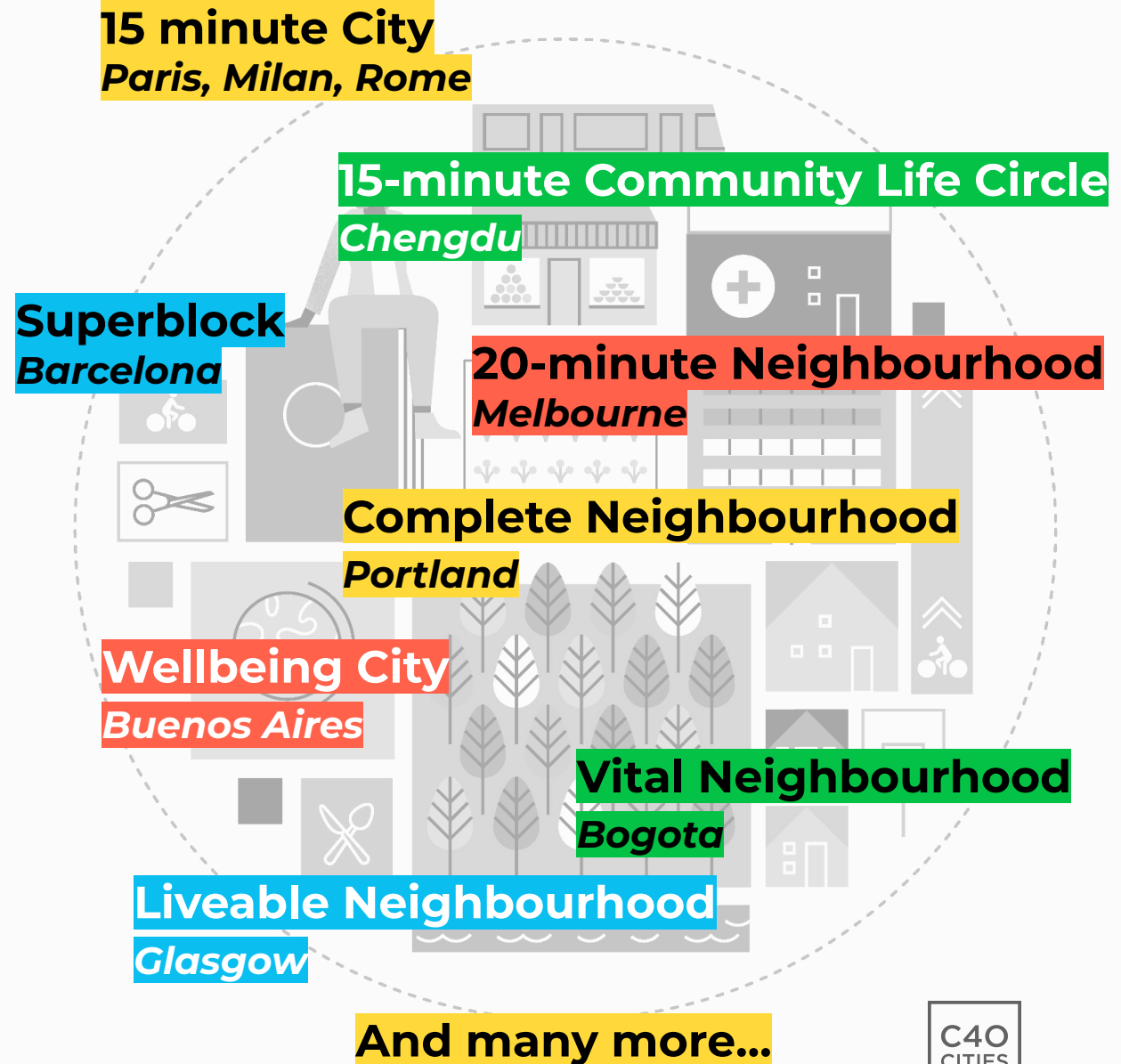
The 15-Minute city

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, reuse & repair hubs...)





Thank you!
Let's create
#TheFutureWeWant

c40reinventingcities.org

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Students
Reinventing
Cities



C40 Students Re-inventing cities

uMgeni Road Durban Site

Smiso Bhengu: Senior Climate Change Scientist

Smiso.bhengu@durban.gov.za

0313228498

The Local context

- Busiest port in Africa
- Municipal extent: 2 556 km²
- **Unemployment and Housing backlog**
- 98 km of coastline
- Population: > 4 Million
- More than 40 % of land is under ITB
- Only Metro in KZN
- The city of Durban is known for **promoting and supporting natural environment through its Durban Management Open Space System (D'MOSS)**





Durban and C40

www.durban.gov.za

- Durban is part of a global network of mayors taking urgent action to confront the climate crisis and create a future where everyone can thrive through:
 - *Limiting the temperatures increases to 1.5° which is in line with Paris Agreement*
 - *Effectively minimize its carbon emission*
- The United Nations estimates that 71,3% of the world population will live in urban areas by 2030 and that by 2050, 80% will be urbanized
 - *With majority of this population being youth (roughly 68%), meaning that urban areas are getting larger and younger*
- The city is expected to respond to climate change and at the same time there are social and economic issues which are equally important.
 - *The city recently approved and published the Local Area Plan.*



The Local Area Plan for Durban

www.durban.gov.za

- The country finds itself in an ***economic crisis with falling economic growth, jobless growth, and increasing unemployment***
 - *The urban centers, especially the metropolitan areas dominate the country's economy and thus offer the best employment opportunities*
- The Local Area Plan – promotes the development of accommodation options for people across the socio-economic spectrum
 - *40% of new housing should be a mix of social housing gap or affordable housing*
- eThekweni Municipality's Human Settlements has targeted 10 000 units within the social with at least ***1560 targeted on uMgeni Road Site*** (the site for C40 competition)
- The Local Area Plan aims to promote:
 - A connected city
 - A walkable city
 - An integrated and inclusive city
 - Unlocking the economic potential of the city



BY 2030 ETHEKWINI WILL BE AFRICA'S MOST C



uMgeni Road Site (contd)

www.durban.gov.za

- Land Ownership – vests with eThekweni Municipality
- Strategic Planning:
 - one of the six sites promoted by Local Area Plan
 - In close proximity to major sports amenities
 - Excellent connectivity along major transport route
 - Bulk services are in place
 - Significant area of underdeveloped land which is rare within inner city area



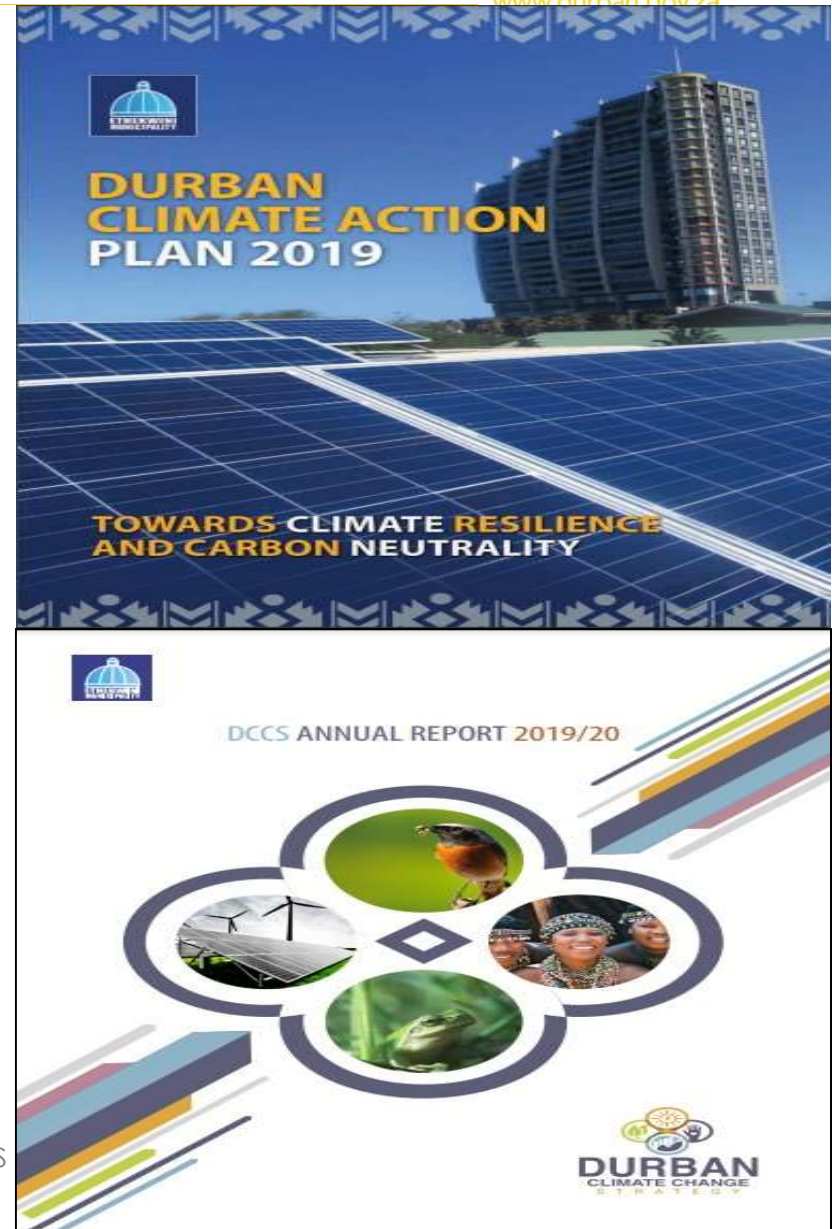


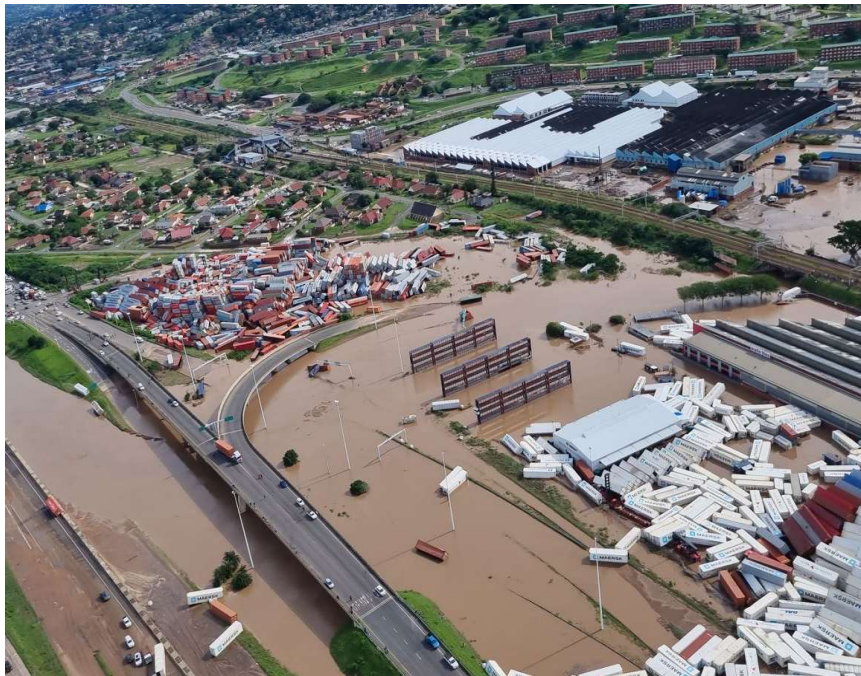
Climate Change priorities for the city

www.durban.gov.za

- Climate change impacts in the area:
 - *Flooding due to hard surface*
 - *Urban heat island*
- A key approach the city has taken in adapting to climate change has been through Community Ecosystem Based Adaptation
 - *Working with communities in using nature based solutions*
 - *Role of ecological infrastructure in minimising climate change impacts*
 - *The city is currently managing the Durban Management Open Space System (D'MOSS)*
- In 2015 the city approved the Durban Climate Change Strategy (DCCS) which provides detail on how the city plans to respond to climate change
- Through collaborating with C40, in 2019 the city of Durban became the first African city to develop the Climate Action Plan which aligns city actions with the objectives of 2015 Paris Agreement

BY 2030 ETHEKWINI WILL BE AFRICA'S MOST





A'



What are the plans and expectations of the city for this site

www.durban.gov.za

- The site should provide an opportunity for integrated housing and mixed-use development, with a specific focus on social housing:
 - *Mixed housing development*
 - *Urban regeneration*
 - *Integrate urban greening practices to create spaces that boost climate resilience (against flooding, the urban heat island effect) and spaces that are used recreationally, like parks and squares*
 - *Embed clean energy into site construction and promote the circular use of resources, considering Durban's net-zero 2050 target*
 - *Create employment opportunities (retail, hospitality, office park, etc.)*
- It should be noted that students needs to promote green energy, role of ecological infrastructure in climate change adaptation



A' S M



THANK YOU

Smiso Bhengu

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