



REINVENTING CITIES

Making the future possible, today



Words from the Mayors...

Climate change and global warming present an existential threat to the human race, and will require a unified global response at all levels of society. Scientists estimate that we are currently on a trajectory that will increase average global temperatures by two degrees above pre-industrial levels by 2100. If these emissions are not appropriately addressed, cities will become increasingly vulnerable to the adverse impacts of climate change.

At the heart of the city lies an opportunity, as urban density presents a greener way of living. Urban density can create the possibility for a better quality of life and a lower carbon footprint through more efficient infrastructure and improved urban planning.

Therefore, cities and private actors must work together to showcase new models for decarbonized development, buildings, and services to households and businesses in hopes for their widespread uptake and adoption.

As Mayors, we are committed with the C40 to move a step forward in our fight against climate change and to organize Reinventing Cities, an unprecedented global competition to stimulate sustainable development and to celebrate innovative solutions to environmental and urban challenges.

We hope Reinventing Cities will set new standards of carbon-neutral and resilient development and will enable the implementation of projects across a wide range of architecture, typology and usage. With this competition, we are calling the private actors to work with us to identify new solutions and to deliver the city of tomorrow, today.

Mayors of the 15 participating Cities

(Auckland, Cape Town, Chicago, Houston, Lima, Madrid, Mexico City, Milan, Oslo, Paris, Quito, Reykjavik, Rio de Janeiro, Salvador de Bahia, San Francisco)

Initiated by the C40 Cities Climate Leadership Group and made possible thanks to the support of Climate KIC and ofo, Reinventing Cities is an unprecedented global competition to drive carbon neutral and resilient urban regeneration.

Together **15 cities** have identified **46 underutilized spaces** to redevelop including several empty plots and abandoned buildings, a former airport, historical mansions, underused car parks, and an abandoned incinerator and landfill.

Through this competition, C40 and the participating cities invite architects, developers, environmentalists, neighbourhood groups, innovators and artists to collaborate and compete for the opportunity to transform these sites into new beacons of sustainability and resiliency.



How it works

The Reinventing Cities competition helps cities identify and select the best projects to redevelop underutilized sites in cities around the world. Participating cities propose a diverse supply of land and building sites, rapidly available for redevelopment. For each site, the bidder teams will compete to buy or lease the site and to implement their project.

Each project will be developed on land proposed by the city, showcasing how partnerships between cities and the private sector can work in concert to shape a carbon-neutral, prosperous future. Projects should address energy efficiency, resiliency, water management, mobility, waste management, sustainable building materials

and other components that will lead to a carbon-free development.

Moreover, Reinventing Cities will function as an 'open source' contest designed to be replicated. Each city project should demonstrate innovative and replicable climate solutions. Not only will the bidder teams need to creatively address both content and form, they will also need to demonstrate that environmental performances can be achieved in combination with noteworthy architecture and community benefits, keeping in mind the potential for duplicating their approach across the city and elsewhere in the world.



Reinventing Cities will:

- Help drive forward public policy making to support decarbonized, sustainable, intelligent and resilient cities;
- Support the implementation of new ideas and innovations that can be rolled out on a global scale;
- Foster approaches to delivering low carbon urbanisation;
- Reduce the impact of buildings emissions, which account for 50% of emissions in C40 cities. In order to meet the Paris Agreement, cities need new buildings to be as close to zero carbon as possible and high levels of retrofit for existing buildings.



Provisional Timeline

- **16 November 2017:** Competition launch / Start of the 1st phase
- **20 April 2018:** Deadline for submission of the Expression of Interest
- **June 2018:** Selection of each site's finalist teams / Start of the 2nd phase
- **Autumn 2018:** Deadline for submission of the Final Proposals
- **End 2018 - Early 2019:** Selection of the winning projects / Competition closure



Reinventing Cities in Numbers

15 participating cities

46 sites

470 ha (hectares) to redevelop in total

610 m² (square metres) is the smallest area

121 ha is the largest area

23 sites with an area greater than 1 ha

7 sites with an area greater than 10 ha

17 empty plots to develop, equal to 200 ha

12 sites to redevelop and densify, equal to

70 ha

8 car parks to transform, equal to 7 ha

7 ha of car park to transform

1 former airport site

11 individual existing buildings to retrofit

4 patrimonial mansions to renovate

2 markets to retrofit and revitalize

6 abandoned industrial sites including a former landfill and an incinerator site

2 parks to create / improve



About the C40 Cities Climate Leadership Group

C40 Cities connects more than 90 of the world's greatest cities, representing 650+ million people and one quarter of the global economy. Created and led by cities, C40 is focused on tackling climate change and driving urban action that reduces greenhouse gas emissions and climate risks, while increasing the health, wellbeing and economic opportunities of urban citizens. The current chair of the C40 is Mayor of Paris Anne Hidalgo; and three-term Mayor of

New York City Michael R. Bloomberg serves as President of the Board. C40's work is made possible by our three strategic funders: Bloomberg Philanthropies, Children's Investment Fund Foundation (CIFF), and Realdania. To learn more about the work of C40 and our cities, please visit www.c40.org, follow us on Twitter @c40cities or Instagram @c40cities and like us on Facebook at <http://www.facebook.com/C40Cities>.

The 2 Sites of Auckland

Alderman & Falls Car Parks

The 7,215 sqm Alderman plot and the 5,313 sqm Falls plot are two adjacent car parks that the City of Auckland is proposing as two separate sites for the Reinventing Cities competition, with the objective to develop medium-density residential/mixed-used development.

The City is pursuing an important program called *Unlock Henderson* to reinvigorate this area and sees the competition as a good opportunity to catalyze this process.

Auckland expects to host on these 2 sites testbed projects, including potential solutions to re-use the waste heat from the nearby pool.



The 5 Sites of Cape Town

Mouquet Farm

Mouquet Farm is an unbuilt 2.4 ha plot, well connected by roads and public transportation. With the Main Road development corridor being targeted for significant future densification and regeneration, this undeveloped site has the potential to accommodate considerable high density and mixed use development. The City of Cape Town expects to receive projects that will demonstrate new and innovative forms of mixed infill urban development with high environmental performance.



Bishop Lavis Town Center

Bishop Lavis Town Centre is a 1.4 ha plot intended for a comprehensive redevelopment scheme, located in a low-density Cape Flats suburb just north of Cape Town International Airport. It enjoys an ideal situation on a BRT feeder route, with the proximity of a cluster of socio-economic and civic uses. The City expects on this site innovative projects that will demonstrate new forms of medium-density urban development with high environmental performance.



Civic Centre Woodstock Car park

This open and underutilized surface car park of approximately 1 ha, forms part of the City of Cape Town municipal corporate headquarters precinct. It is located right in the centre of Cape Town CBD, Cape Town's primary urban node, where the highest density of development and widest range of higher order uses and facilities occur. This site has the potential to accommodate considerable high density and mixed use development.



Grande Parade

Steeped in history, this 1 ha site forms the north-western end of the Grand Parade, Cape Town's primary central public square and the oldest urban public open space in South Africa. Located directly alongside Cape Town's primary multi-modal public transport interchange, it has a high potential to develop a mixed use medium density scheme that frames, and catalyzes the improvement of this unique and wonderful place.



Ottery Site

This site of 48 ha comprises an extensive piece of open undeveloped land in the southern suburb of Ottery, next to the existing Ottery commercial node. Cape Town expects on this site, that will benefit from phase 2 of the BRT roll-out programmes, and innovative projects that will demonstrate new forms of medium to high density urban development with high environmental performance, in accordance with the objectives of the municipality to limit the ecological impact of city growth.



The 2 Sites of Chicago

Pershing Road Buildings

This site contains three identical industrial buildings and an 9-story Clock Tower, all built in 1918 and part of the historically significant Central Manufacturing District of Chicago. It includes also an adjacent parking lot. The City of Chicago is open to a large variety of proposals that will creatively revitalize this iconic site and contribute to add vibrancy to McKinley Park neighborhood.



East Garfield Park

This high potential site is a combination of vacant lots located along 5th Avenue on the west of Garfield Park, just west of downtown Chicago. The area is well-served by transit networks, and located in an area where the City is developing programs to reinvest in the neighbourhood.



The 2 Sites of Houston

Holmes Road Landfill

The City of Houston proposed an exceptional site of 121 ha near downtown Houston. The site is a former landfill closed in the 70's, located between central and suburban areas, and well connected to the city center by roads and public transport. Having recently suffered from Hurricane Harvey, the City sees this competition as an excellent opportunity to rebuild and revitalize some of Houston's hardest hit areas, and to implement landmark storms and flood-resilient development, showing the world that Houston stands stronger than ever before.



Velasco Incinerator

The Velasco Site is a former incinerator that has been closed since the 1950s. This large site is adjacent to several Metro bus routes, less than two miles from the City of Houston Metro Rail station, and approximately 10 minutes from downtown. Having recently suffered from Hurricane Harvey, the City aims to develop storm- and flood-resilient infrastructures and buildings.



The 2 Sites of Lima

Gran Viviero del Norte

This 64 ha plot is situated in the north of Lima, in the district of Ancón which is experiencing a strong urban growth. The City of Lima expects proposals to build the Gran Viviero del Norte, a project including a large tree nursery that will supply the parks in the northern zone of Lima, and provide social, economic, cultural and ecological benefits to the City.



Parque Ecológico Metropolitano Piedras Gordas

The site of 111 ha is located in the district of Ancón at 43 kilometers north of downtown Lima, and its surroundings experience a strong urban growth. The City expects proposals to respond to the need to implement sustainable green areas and parks in the northern zone of Lima, which is characterized by its desert landscape and water scarcity. The site contains 24 oxidation lagoons that occupy an area of 23 hectares and can have a strong added value for the development of the project.



The 4 Sites of Madrid

Mercado de Orcasur

The proposed site is a municipal market located on a 1,880 sq metre plot in the popular district of Usera, which enjoys a good connectivity by public transportation. Bidders should make proposals including the revitalization of the market on the ground floor and the development of new uses in the rest of the site, with expectations for innovative activities, social economy and local development.



Vallecas

The site is located on the south campus of the Polytechnic University of Madrid, an area with many opportunities. The 3.2 ha site selected for the contest is composed of one building and an unbuilt parcel, and 2 optional plots. The objective is to facilitate the development of a series of uses in connection to the educational and research activities of the University, and to bring new services and utilities to reinforce the vibrant life of the campus.



Vicálvaro

This unbuilt plot of approximately 3 ha is located on the southeast edge of the City, with a strong expectation of the City to develop a new economic and innovative center. It has good accessibility through the Modal Metro / Rail Interchange of Vicálvaro. It is directly next to a new park and to the new innovative incubator “Factoría Industrial Vicálvaro”, and nearby a zone planned to host the future urban growth.



Villaverde

This 3,351 sqm unbuilt plot is located in the south of the City. It enjoys a good location next to a metro and regional railway station, and at the junction of the historical city and a large area of economic activities. The City of Madrid expects a remarkable project with high environmental performance that will introduce new economic cultural activities and contribute to the productive regeneration of the Villaverde district.



The 3 Sites of Mexico City

Subestación Potrerros

This 900 sqm plot is strategically located in the municipality of Gustavo A. Madero, and is perfectly well connected to public transports. The site will be released in 2018. It includes an electric substation that feeds the trolleybus system of the city, which can be either relocated or buried in order to optimize the redevelopment of the site. The City of Mexico is open to a large variety of programs and expects a project with high environmental performance, specifically in terms of clean energy generation.



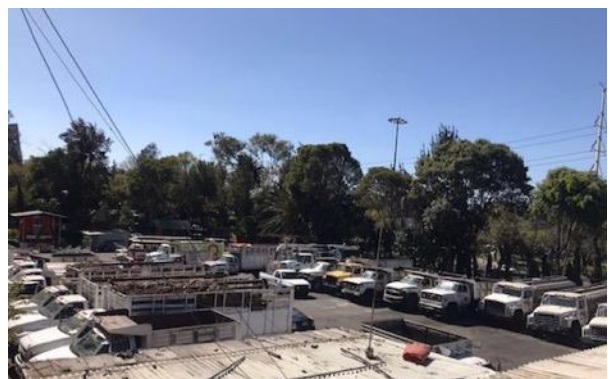
Depósito Tetepilco

Located in Iztapalapa, one of the most emblematic, dense, and culturally rich municipalities of Mexico City, this 16 ha underutilized site belongs to STE (the agency in charge of managing and operating electric transport in Mexico City). It holds an extraordinary potential to reorganize the STE's current operational program, free up space and allow the integration of new uses. The City expects remarkable projects to foster more compact and sustainable urban development.



San Simón

Located in San Simón, this former industrial sector is now a mixed used area with lower-middle class housing. This 6,000 sqm site is occupied by the Municipal Office of Parks and Gardens. The City is open to innovative reorganization that will creatively propose new uses in combination with the existing activities and in connection with the garden center San Simón and "La Ballenita" nearby. The City expects landmark projects to foster more compact and sustainable urban development.



The 5 Sites of Milan

Doria

Doria is a 610 sqm unbuilt plot currently used as a car park. The site is located on one of the most dense and vibrant neighborhoods in Milan and is well-connected to public transportation. The City expects to see new construction and a new programme for this site, including high quality amenities and pacification of the adjacent public space.



Serio

Serio is a 0.5 ha vacant plot, located at the heart of the urban regeneration of the 'Scalo Romana' district, a former industrial area under redevelopment where "Innovation" and "Regeneration" flourish. The site's direct proximity to the brand-new Prada Foundation's art complex enhances its high potential.



Scruderie de Montel

Steeped in history, this 1.6 ha site is part of the vibrant district of Scruderie de Montel, strategically located north-west of Milan, with a very good connection to the city center. It includes two historical buildings to renovate and valorize. New activities can be developed connecting to the dynamic of the area, where sports, entertainment and green spaces prevail.



Scalo Greco Breda

The Greco Breda site is a former “freight terminal” of 6 ha, part of the Milan’s strategic plan to transform underused railway areas in the city. The site, organized in three main parcels, presents a great opportunity to enhance the connections between the mixed-use historical neighborhood of Precotto and the former industrial area of Bicocca, that has been redeveloped in the 1990s and including the Statale University campus.



Gorla

Gorla is an underused food market that enjoys an ideal situation along Viale Monza, one of the most important city’s historical roads in Milan. The 808 sqm plot is very well connected to public transportation and has a high potential. Its redevelopment should restructure the building and include new activities with some connection to its original function as a food market.



The 2 Sites of Oslo

Furuset

This 2,700 sqm site is centrally located near the subway and Furuset centre, a transportation hub and typical suburban area of Oslo. The site, currently used as a car park, is mainly planned for housing new development is situated in the Grorud valley, which benefits from a governmental and municipal joint effort to tackle the environmental challenges alongside the social challenges faced by the local population.



Fossumdumpa

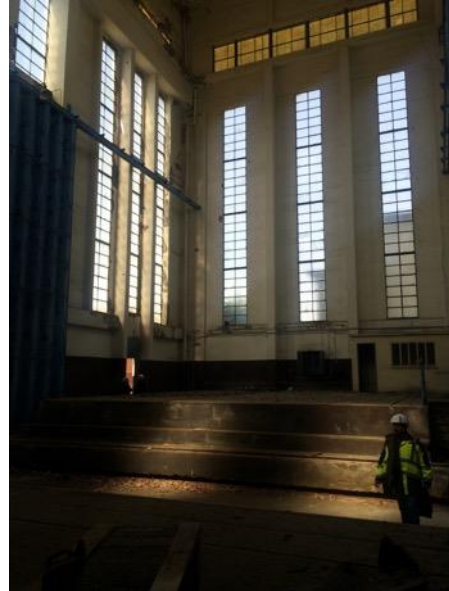
The site is part of a larger area of 1.9 ha located in an industrial area to be redeveloped within the next 10-20 years. It benefits from a dynamic of redevelopment jointly driven by the City and the government, with new facilities such as the future public swimming pool that will be built next to the site. Close to the metro station and to the center of the Stovner district, the plot has a strategic location for sustainable and decarbonized urban development.



The 4 Sites of Paris

Hall de Décuvage Pleyel

This 24 m high building of 7,500 sqm is by size and design a monumental witness of the industrial past of Saint-Denis. The site, located in the Quartier Pleyel, is directly adjacent to the Olympic site of the Paris 2024 Olympic games and it hosts major metropolitan projects such as a future new metro station of the Grand Paris Express.



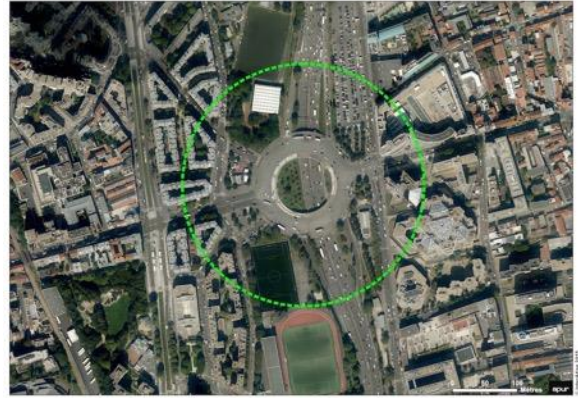
Passerelles

The City of Paris invites bidders to propose innovative proposals to imagine new ways of crossing over the River Seine. “Passerelles” comprises three sites, and the bidders may submit proposals for one or more locations. The City expects projects that will both improve the link between the riverbanks and create new places of destination over the river.



Porte de Montreuil

Porte de Montreuil, located on the eastern belt of Paris, extends over 35 ha with 60,000 sqm for construction. The project is part of the overall strategy to upgrade the Gates of Paris and to transform them into real metropolitan squares of the Greater Paris. In addition to the environmental excellence, the City of Paris wants proposals to reinforce the connections between Paris et Montreuil, improve public spaces and develop new uses.



Plaine de l'Ourcq – terrain MBK & K1/K2

A very promising site composed of two plots, the MBK and K1/K2 sites in Bobigny, making up a unique land potential of more than 3 ha along the Canal de l'Ourcq. For over 10 years, the land has benefited from considerable public investment and the establishment of economic players of international stature. It will host one of the Grand Paris Express metro stations, bringing the attractiveness of the area to a metropolitan scale.



The Site of Quito

Parque Bicentenario

Located in the emblematic Bicentennial Park, which has been created on the site of the former airport, this 7.5 ha unbuilt plot consists of the second phase of the Metropolitan Convention Center. It will host a variety of uses in connection with the functions of the Convention Center and with the ambition to transform the Bicentennial Park as one of the most vibrant, attractive and touristic area of the city of Quito.



The 3 Sites of Reykjavik

Ártún

This 9,000 sqm plot is the gateway to a large brownfield to be regenerated. It enjoys an ideal location near a green recreational park, a salmon-fishing river and the ocean. It benefits from the future station of the new high quality transportation system of Borgarlína – City line. The development of this site presents a high potential to showcase how a natural area can flow into an urban project.



Frakkastígur

This 800 sqm strategic site is in a prime coastal location within the city center of Reykjavik. It is connected by all transportation modes and enjoys a unique surrounding landscape including Mount Esja, the gorgeous sea shore, and Hallgrímskirkja church which is Reykjavík's most known landmark. This unbuilt site, currently used as a car park, offers a perfect opportunity to develop a new innovative approach for housing in Reykjavík.



Lágmúli

This unbuilt site, currently used as a car park, offers a perfect opportunity to develop a new innovative approach for housing in Reykjavík. This 5,700 sqm unbuilt plot is located in one of the main corridors of the city. Its uniqueness is due to the presence of geothermal heat pumped from the ground on-site. The City of Reykjavik is open to various types of projects and expects bidders will propose creative and emblematic projects to best take advantage of the geothermal heat on site.



The 5 Sites of Rio de Janeiro

Automóvel Clube do Brasil

On a plot of about 750 sqm, Automovel Club is an historical iconic building located in a vibrant district of Rio with intense artistic and cultural life, and just across the road from one of the most important parks in the city. The City of Rio expects creative proposals to renovate this patrimonial building while preserving its unique architecture, and to propose new uses and environmental innovations for its redevelopment.



Avenida Presidente Vargas

Near the City Center, this site is ideally located. Its immediate surrounding includes an important administrative center, the University of Rio, and one of the famous cultural centers of samba. The unbuilt plot of 1,625 sqm is a rare opportunity to develop a strategic project in this part of Rio. The City expects iconic and innovative proposals that will celebrate compact and sustainable urban development.



Três locais do Centro

Centro is a multisite divided into three lots, situated right at the heart of the historical center of Rio. Next to the most important public garden in the city, as well as an attractive commercial district, and benefiting from an optimal connectivity to public transports, these properties present a great opportunity to rehabilitate two very damaged, but beautiful historical buildings, and to build new urban components of unique importance for the city.



Bangu & Campo Grande

The City of Rio proposes the joint development of two properties located in centers of neighborhoods with important commercial dynamics. The first property has an area of 1,100 sqm located in the area of Bangu. The second plot of 2,700 sqm has an emblematic location, in front of Nossa Senhora do Desterro Church, in the center of Campo Grande. Both properties currently house public utilities, but present many opportunities for densification. The teams will develop exemplary projects demonstrating more compact and sustainable urban development.



Penha Circular

The site is located near the Penha Circular train station, just in front of the new Guaporé station of the BRT Transcarioca which opened in 2015. The station has brought to this residential area numerous of facilities and shops, and fantastic potential to become a local centrality. The site, which consists of two sets of lots, totaling 978 sqm, is located at the heart of this new centrality.



The 4 Sites of Salvador de Bahia

Aquidabã

Aquidabã is a 1.5 ha site composed of three areas: a bus terminal that will be removed with the restructuration of the collective transportation system and two other plots including existing buildings. The site benefits from very good accessibility. Its attractiveness is reinforced by the proximity of Baixa dos Sapateiros, a nationally known traditional and popular commercial corridor.



Vale Dos Barris

Vale dos Barris is located in one of the typical valley-summit connections of the city. The site comprises 5 lots for a total of approximately 4.7 ha, including a parking garage and municipal services that will be released by July 2019. It enjoys an excellent accessibility to the public transportation system and connectivity to the rest of the city, particularly to districts of high commercial value and importance for the city tourism.



Prefeitura

On the main square of the city, this 2,530 sqm site, well connected to the public transport, is very special for Salvador because it has a deeply rooted history and a strong public dedicated identity. The City will relocate the prefabricated and removable building that currently serves as City Hall, and invites the bidders to propose creative and iconic projects to redevelop this historical and strategic site.



Old Limpurb Area

Old Limpurb site is a 1 ha plot that used to be occupied by the first inter-urban road terminal of the city. Most of the land is now degraded and abandoned, but the site enjoys a great renewal potential, considering its location within a traditionally commercial and service area. It enjoys an excellent connection to the road system and to the city's public bus transportation system.



The 2 Sites of San Francisco

Civic Center

This extraordinary site located at the heart of the Civic Center of San Francisco, directly next to the City Hall and other iconic historical buildings. This underutilized plot of 1.3 ha, in a transforming and vibrant district of the city, has a high potential for the development of new mixed-used projects, including housing objectives and creative proposals to replicate or replace the existing community garden space.



Hallidie Plaza

Located at the heart of Hallidie Plaza, the nexus of tourism and shopping in San Francisco, the City invites creative minds to develop, on this 8,915 sqm triangular plot, iconic projects with high environmental performance and landmark architecture. The project should support a renewed Market street, linking public open spaces and connecting the City's Civic Center to cultural, social, tourism, and retail destinations.





**Reinventing
Cities**