



S U S T A I N A B L E  
D E V E L O P M E N T  
R E P O R T



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# Introduction

At the Sustainable Development Summit in September 2015, the 195 Member States of the United Nations jointly undertook to reach **17 global goals** by 2030. Major capital cities are key to this commitment and must become agents for change.

**Paris** is actively working on a daily basis to apply these Sustainable Development Goals (SDG) by involving all public and private sector stakeholders, as well as civil society and citizens.

In terms of combating climate change, the City adopted the draft of **Climate, Air and Energy Action Plan**, in November 2017. Following a public consultation process, the finalised Plan was unanimously passed in March 2018. It features 500 measures paving the way for a carbon-neutral, resilient and inclusive city by 2050. After high-level events such as the COP21 and the signing of the Paris Climate Agreement in 2015, the City is reinforcing its position on the international stage by taking part in a new climate summit, the **One Planet Summit**. It is also a member of the **C40 (Climate City Leadership Group)** network.

In addition to the climate challenge, Paris is keen to **involve** all Parisians by promoting a wide range of community initiatives. This is why it invites its citizens to jointly develop actions to improve their quality of life and environment. The success of the 4<sup>th</sup> **Participatory Budget**, with 168,000 voters (5.7% more compared to 2016) signifies the vitality of local democracy and community involvement.

Paris is also stepping up its support for **circular economy** schemes and responsible production, by adopting the **Circular Economy Plan 2017-2020**, as well as a new Local Programme for Prevention of Household and Assimilated Waste.

**Innovation** has an important, cross-cutting role to develop projects undertaken by the City. All this activity (numerous calls for projects, promoting start-up companies, supporting experimental trials, etc.) contributes to sustainable development and building the city of tomorrow.

Finally, the highlight of 2017 was Paris' successful bid to host the **2024 Olympic and Paralympic Games**, built on an exemplary environmental plan and lasting legacy for all.

The purpose of this report is to present an overview of activities undertaken in 2017 in the City and within the Council itself. It features topics, based on sustainable development goals for climate, the quality of the environment, biodiversity, personal fulfilment, social cohesion and solidarity between territories and between generations, as well as responsible modes of production and consumption.



**25 March** — *Earth Hour*: the lights go off for one hour at 200 of the City's monuments.

**24 May** — Paris City Council receives the Energy Transition Trophy for energy efficiency improvements to its schools.

**27 July** — The actor and UN (United Nations) Climate Ambassador, Leonardo Di Caprio presents the City of Paris with an award from his Foundation recognising the City Council's efforts to combat climate change.

**7 October** — The Bouicaut eco-neighbourhood (15<sup>th</sup> arrondissement) is inaugurated.

**12 October** — As part of the annual event, *Paris de l'Avenir*, a conference on carbon-neutral initiatives is organised at the city hall (4<sup>th</sup> arrondissement) in the presence of the 4D association and the Foundation for Nature and Mankind.

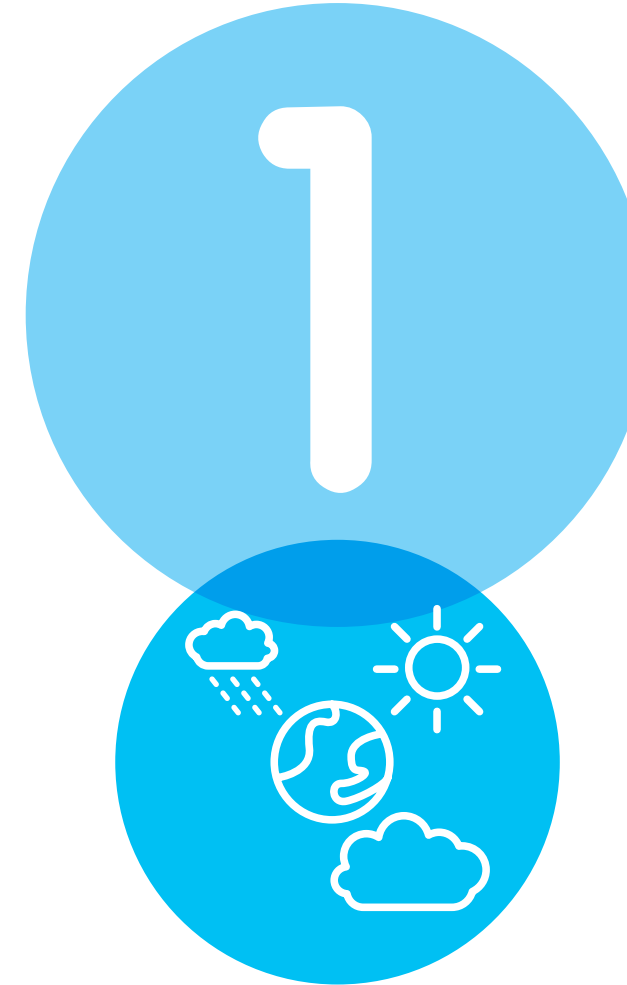
**16 October** — The first intake for the *Women4Climate* programme is launched in Paris. By 2020, this initiative will train and support 500 young women actively engaged in climate change actions.

**14 November** — Paris receives a Bronze Territoria award for the digitally-controlled boiler, installed at the swimming pool in *La Butte aux Cailles* (13<sup>th</sup> arrondissement).

**27 November** — The company to manage the Local Ecological Transition Fund is selected.

**12 December** — The City of Paris organises a round table discussion at the *One planet Summit* on the role of cities in combating climate change.

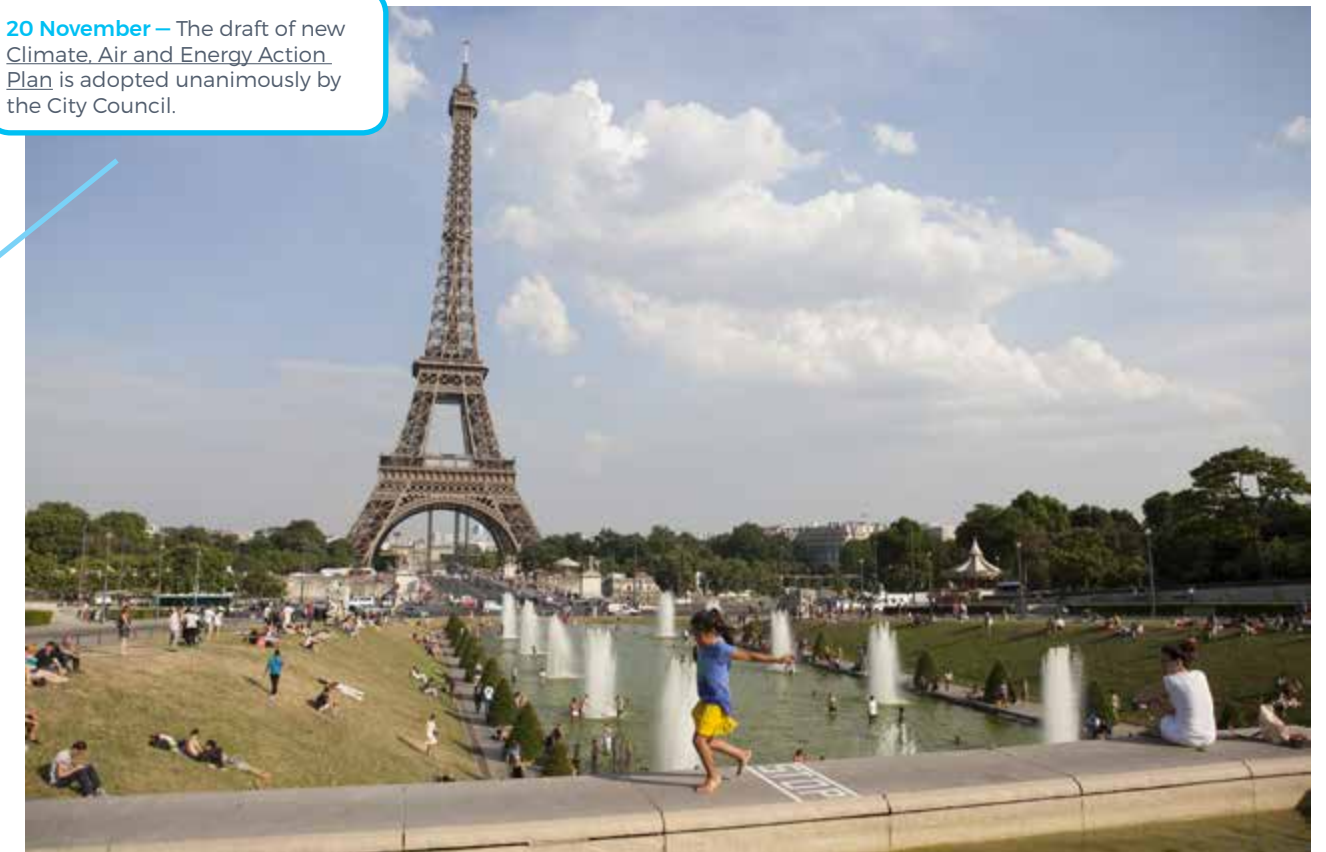
**14 December** — The public consultation exercise on the new Climate Action Plan is launched to gather local opinion in the City and the *Metropolis of Greater Paris*, as well as feedback from the Regional Council and the State.



## Fight against climate change and adapt the city

In December 2015, at the 21<sup>st</sup> International Climate Conference (COP21), 195 countries adopted the Paris Climate Agreement, to keep the rise in global average temperature to below 2°C. To actively deliver on this commitment, Paris developed a new *Climate, Air and Energy Action Plan* in 2017. It sets out the transition towards a 100% carbon-neutral and recovered energy city by 2050. This will be a city adapted to extreme weather events and resilient in responding to crises and shocks. To achieve this, the City is mobilising all stakeholders in the Paris area.

**20 November** — The draft of new *Climate, Air and Energy Action Plan* is adopted unanimously by the City Council.





## The new Paris Climate, Air and Energy Action Plan

### The new Paris Climate, Air and Energy Action Plan features 500 measures

The City has been implementing an ambitious Climate Action Plan since 2007. In November 2017, the Paris City Council unanimously adopted the new Climate, Air and Energy Action Plan. It was the culmination of a vast public consultation exercise from November 2016 to March 2017 and contains 500 measures concerning energy, transport, buildings, urban planning, food and waste. The aim is to create a carbon-neutral city (by cutting emissions by 80% compared to 2004 levels and offsetting residual emissions) that is entirely converted to recovered energies by 2050. The Plan was finally adopted in March 2018 after a public consultation phase.



**5**  
months of  
consultation



**280**  
online proposals  
from local people



**30**  
themed workshops  
(transport, waste,  
air and climate, etc.)



**700**  
contributors from the  
business, voluntary,  
academic sectors, etc.



**More than  
100 hours of**  
discussions  
and meetings

### The City's goals by 2050



Make the City of Paris  
**a zero**  
greenhouse gas  
emission area



Cut energy  
consumption  
by **50%\***  
throughout the city



**80%\***  
reduction in Paris'  
carbon footprint



Involve all local  
stakeholders in  
offsetting their residual  
emissions to  
**be carbon-  
neutral**



**Become a  
100%**

recovered energy  
area, **with 20%** being  
generated locally

**Ensure Paris is climate  
resilient and deliver a  
socially fair transition.**

\*compared to 2004 levels

#### THE 10<sup>th</sup> ARRONDISSEMENT COUNCIL INTRODUCES ITS LOCAL CLIMATE ACTION PLAN

The 10<sup>th</sup> arrondissement Council has developed a local Action Plan to practically implement the Paris Climate, Air and Energy Action Plan. A roadmap has been drawn up based on 400 proposals from hundreds of citizens, elected officials, departments, partners and associations in the arrondissement.

## The Resilience Strategy

### Paris is working to be resilient

The Paris Resilience Strategy features 35 actions to better prepare the City and its residents for current and future challenges (flooding, terrorism, air pollution, inequality, etc.). Following adoption of the Strategy in September 2017, the City, with the Association of Rural Mayors of France and the Metropolis of Greater Paris, joined forces to give a collective boost to resilience and ecological transition. The aim is to achieve a territorial cooperation Pact by autumn 2018.



#### 10 PROJECTS CHOSEN FROM THE CALL FOR CLIMATE CHANGE ADAPTATION TRIALS

The call for *Climate Change Adaptation trials*, launched by the Paris&Co Urban Lab and the City of Paris Council, selected 10 projects. Among them is an initiative to recycle non-potable water, a civic support network to help vulnerable people during heat waves and the "totem" positive energy city property initiative.

#### THE MAP OF COOL AREAS

To adapt to climate change, the City has mapped out a series of urban locations, or 'islands', for people to keep cool during heat waves. This map features almost 700 spots to keep cool, accessible to all during the summer.

## Ecological transition & green investment

### Paris has its own Territorial Investment Fund for ecological transition

To reach its target and become carbon-neutral, Paris has created a Territorial Investment Fund called the "Paris Green Fund". This brand new legal and financial tool harnesses private finance to develop innovative solutions to accelerate ecological transition in Paris. This initiative has received support from the ADEME (French Environment and Energy Management Agency) and Paris EUROPLACE. The minimum target for investment is €150 M.

#### PARIS SUCCESSFULLY RAISES ITS SECOND GREEN BOND

Loyal to its commitment for innovation and sustainable development, Paris issued its first green bond in 2015. This led to a second programme in November 2017 to take out a long-term loan worth €320 M. These funds will help finance projects that contribute to the Climate Action Plan goals.

## Energy

### A smart energy system in the Clichy-Batignolles eco-district

The eco-district at Clichy-Batignolles (17<sup>th</sup> arrondissement) has been built on a brownfield site to be a benchmark for sustainable urban development. It covers 54 ha. In the west, the CoRDEES Project (*CoResponsibility in District Energy Efficiency & Sustainability*) was launched in May to create the first large-scale smart energy system in Paris. A collaborative management platform has been set up to monitor and control real-time energy production and consumption. The project will run for 3 years and 80% of costs are funded by the European Union (€4.3 M).








#### POSITIVE-ENERGY FAMILIES MEET TO COMBAT CLIMATE CHANGE

Since 2011, all Parisians have been invited to take part in the *Positive-energy families* challenge, to cut their daily energy costs. The aim of those participating in the 7<sup>th</sup> edition is to make a minimum 8% cut in their energy consumption compared to last winter by using eco-friendly tips produced by the Paris Climate Agency.



### The public lighting modernisation programme continues

-  **107 GWh**  
consumed in 2017,  
a 29% drop compared to 2004
-  **5.31 GWh**  
saved based on a contractual  
target of 4.3 GWh
-  **38,580**  
lights replaced  
since the inception of the  
energy efficiency contract  
process, including 22,000  
fitted with LED bulbs
-  **33%**  
cut in light pollution
-  **24%**  
drop in greenhouse  
gas emissions linked  
to public lighting,  
compared to 2012



#### LOWER ELECTRICITY CONSUMPTION FOR LIGHTING DURING THE COLD SNAP

In January, the City decided to cut its electricity consumption by switching off the exterior lighting on 330 public buildings. This measure helps prevent possible power cuts in the country.

## Sustainable and innovative urban planning

### FAIRE selects 25 successful projects

Launched by the *Pavillon de l'Arsenal* (4<sup>th</sup> arrondissement) and the City of Paris, *FAIRE* is an innovative architectural and urban planning project accelerator. 243 project proposals were submitted in 2017 and 25 were selected. Among these were the *Îlot Vert* project, a floating island made from recycled waste that harbours biodiversity, a new economic model to develop and promote the suburbs, a system to green-up scaffolding, a new share bike storage facility and the creation of digital monuments using augmented reality.



Prototype Cob Pavilion - Bellastock, CRAterre and Palabres

### The *Reinvent Paris II* call for projects develops Paris' underground areas

In late 2014, Paris launched the *Reinvent Paris* initiative, a call for internationally eminent, innovative urban projects. Encouraged by its initial success with 22 successful projects, the City launched another call for projects in 2017. This 2<sup>nd</sup> call focuses mainly on making better use of Paris' underground areas. 34 sites were proposed, including the underground car park at *Grenier Saint Lazare* (3<sup>rd</sup> arrondissement), the *Henri IV* tunnel (4<sup>th</sup> arr.), or the disused *Croix-Rouge* metro station (6<sup>th</sup> arr.). The finalists will be shortlisted in 2018.



The disused *Croix-Rouge* metro station (6<sup>th</sup> arrondissement)

### 20 SUCCESSFUL APPLICANTS FOR THE "REINVENT THE SEINE" CALL FOR PROJECTS

The "*Reinvent the Seine*" call for projects is a completely new joint venture between the *Metropolis of Greater Paris*, Rouen, Le Havre and HAROPA - Ports de Paris Seine Normandy. It will boost development and the appeal of the Seine and its Parisian canals by devising new uses on and beside the water. In 2016, 72 innovative project proposals for 35 sites between Paris and Le Havre were submitted. The 20 successful projects were announced in July 2017 and 12 of them were in Paris. They feature a floating swimming pool on the Seine, a craft brewery that mainly uses canals for supplies and deliveries, etc.



The Arche floating swimming pool on the lower Javel quayside (15<sup>th</sup> arrondissement)



## Towards low-energy housing accessible to all

### "Éco-rénovons Paris": 450 jointly-owned properties supported in 2017

More than 90% of the 47,000 jointly-owned properties in Paris were built before the first thermal regulations (1974) and they use too much energy. In fact, they account for 35% of power consumed in the city. In May 2016, the City launched the "Éco-rénovons Paris" initiative to encourage its jointly-owned properties to undertake eco-renovation improvements, with a target of 1,000 energy renovated buildings by 2020. By late December 2017, almost 450 jointly-owned properties had received support, amounting to approximately 28,000 private homes.



Renovation of Rue Stephenson (18<sup>th</sup> arrondissement)



**5,037**

affordable homes and

**3,023**

privately-owned properties  
had energy renovation  
improvements financed 2017



**2,991**

new NF Habitat-certified  
affordable homes



**7,750**

Parisians have benefited from  
free advice from the Paris  
Climate Agency to cut their  
energy consumption



**1,500**

jointly-owned properties  
in Paris registered with  
CoachCopro.Paris,  
amounting to 83,000 homes



**2,100**

participants  
since 2011, taking part in the  
Positive Energy Families  
challenge



The Wood'up Paris Rive Gauche Project  
(13<sup>th</sup> arrondissement)

#### TIMBER FRAME BUILDINGS, FEATURING 4 PARIS-BASED PROJECTS

The City of Paris wants to support a step change in the development of timber-frame buildings. This is why it supported the "*Immeubles à vivre en bois*" call for projects, for timber-frame homes, launched in February 2017 by the Adivbois association. 24 sites nationwide were selected, including 4 in the capital. In September, the first successful projects were unveiled, including the *Wood'Up Project* (13<sup>th</sup> arr.), a private housing venture with a timber frame, wooden floors and a wooden facade.

#### HOUSING ASSOCIATIONS INNOVATE

- *Paris Habitat* has built a 55-home property on *Rue Erlanger* (16<sup>th</sup> arr.) that optimises energy use, connected to the CPCU urban heat system (Paris District Heating Company) and heat recovery from grey water.
- *Habitation Confortable* undertakes energy renovation work to a young workers' hostel on *Boulevard Saint-Jacques* (14<sup>th</sup> arr.) and installs hemp concrete insulation.

#### A MAPPING TOOL DEDICATED TO REFURBISHED CO-OWNED PROPERTIES

The Paris Climate Agency has developed an online mapping tool at CoachCopro.Paris to share good practice in refurbishing co-owned properties. It features 50 case studies.

#### PARISIANS ARE INTRODUCED TO ECO-FRIENDLY BEHAVIOUR

The Paris Climate Agency is holding community workshops for Parisians to promote eco-friendly behaviour at home in a simple and fun way that saves water and energy.





## Exemplary administration

→ A working group, or "nudge lab" of volunteers, designed stickers to encourage people to adopt good energy-saving behaviour. By early December, 1,700 stickers had been stuck in 13 sports gyms, 16 creches and 19 schools in the 11<sup>th</sup> and 20<sup>th</sup> arrondissements.



→ The building at 25 Boulevard Bourdon (4<sup>th</sup> arrondissement) is a test site for an energy-saving scheme based on "nudges" and "energy-saving challenges".



→ In June, Paris' "heatwave" crisis centre swung into action. In this context, the City opens cooled facilities throughout the parisian territory, as well as some gardens at night, in addition to those open all summer-long. Everyone registered in the extreme heat database (CHALEX) is contacted with the offer of access to these relief facilities.



→ In addition to switching off its computers, the City has cut the packaging of municipal IT equipment and begun introducing a badge-checked printing system. What's more, 1,500 computers were reconditioned in 2017.

→ Since 2010, the City Council has secured energy efficiency certificates (CEE) for energy improvement work undertaken on its buildings and street lighting. In September 2017, for the very first time, the City began using CEE certificates gained since 2010 for additional financial leverage. The sale of 580 GWh cumac (accumulated and updated) helped generate nearly €3 M of revenue.



## Paris international

→ In March, the 1<sup>st</sup> international *Women4Climate* conference took place in New York. This *C40* programme (Cities Climate Leadership Group) promotes a new generation of women managers and directors and to channel their actions to combat climate change.

→ In April, the *C40* network and the R20 non-governmental organisation, chaired by Arnold Schwarzenegger, signed a cooperation agreement to combat climate change and enact of the Paris Climate Agreement.

→ In June, 45 Mayors from major capital cities, including Paris, called on the G20 leaders to keep their commitments to save the climate. This plea was backed by a petition signed by 54,000 citizens on *change.org*.

→ In November, the Mayor of Paris launched a worldwide *Reinventing Cities* call for projects. The initiative involves 16 major cities and *C40* members. 42 sites in 12 countries are going to host innovative urban and architectural initiatives.

→ In December, world leaders, including some fifty Heads of State and government, as well as some overseas Mayors, took part in the 1<sup>st</sup> *One Planet Summit*. 12 commitments have already been taken to combat climate change and a *One Planet Coalition* has been formed to ensure they are met.

## The Metropolis of Greater Paris is developing environmentally-friendly projects

For its 2<sup>nd</sup> year, the Metropolis of Greater Paris is developing environmentally and climate-friendly urban development projects.

### The "Breathable Cities in 5 Years" call for projects is launched

The Metropolis of Greater Paris has teamed up with the State to form five areas, including Paris and the Departments of *Seine-Saint-Denis* (93) and the *Val-de-Marne* (94) taking part in the "Breathable Cities in 5 Years" initiative. The aim is to look at extending the low-emission traffic zone in 2019, right up to the A86 ring-road. This target features in the Paris Climate, Air and Energy Action Plan.

### The "Let's Invent the Metropolis of Greater Paris" call for projects selects 5 Parisian projects

420 proposals were submitted covering some fifty sites. In Paris, 5 projects were selected. These include the *Porte Brancion* (15<sup>th</sup> arrondissement) project to develop a dedicated programme for homes for young people and sports facilities, the *Rue du Soleil* project (20<sup>th</sup> arr.) will have a cultural canteen, while the *Paul Bourget* project (13<sup>th</sup> arr.) is creating a circular economy hub with innovative spaces (fab labs, co-working facilities and start-up incubators, etc.). Plans for a logistics centre at *Bercy Charenton* (12<sup>th</sup> arr.) is helping to develop rail freight to the South East and finally, the *Porte de Saint-Ouen* Project (17<sup>th</sup> arr.) is an office and hospitality programme recognised centre for self-employed trades and DIY specialists).

### The Mobility 2030 Programme is extending to the Greater Paris area

There will be major changes to mobility in the Greater Paris area, with the construction of the Grand Paris express metro and many other public transport development projects. To prepare for these changes, the Greater Paris Metropolitan Forum, the Metropolis of Greater Paris and the Association of Mayors of Ile-de-France have introduced the Mobility 2030 Programme to foster dialogue in the city and Greater Paris area. The first stage consisted of publishing a white paper in 2017. The work focuses on four main topics, infrastructure and transport, intermodal connections, shared mobility, smart and driverless vehicles. Local people have had their say in the process too, through a consultation process.

### The newly renovated Cambodge footbridge promotes mobility for the entire metropolitan area

Paris and the Metropolis of Greater Paris are teaming up to bridge the urban divide created by the *Peripherique* expressway and build a metropolitan area accessible to all. The City has subsequently secured €200,000 from the Metropolitan Investment Fund to renovate the *Cambodge* footbridge (14<sup>th</sup> arrondissement), which links Paris to Gentilly (94). This work will make the bridge accessible to cyclists and persons with reduced mobility, resulting in easier travel between the University halls of residence park (14<sup>th</sup> arr.) and Gentilly. It's due to open in 2018.





## Paris hosts the 2024 Olympics and Paralympics

On 13 September 2017, Paris was awarded the right to host the Olympic and Paralympic Games. This success caps a two-year bidding process during which the City reaffirmed its desire to organise the first inclusive, responsible and sustainable Games in history, leaving a legacy for the benefit of Parisians and visitors alike. A new governance arrangement has been introduced to sustain this vision.

### The Games venues all promote the Greater Paris area



11

Games venues will be in central Paris



**There will be 13**

Games venues in Île-de-France, including 5 in Seine-Saint-Denis (93) and 5 in Yvelines (78)



**95%**

of the facilities needed to host the Games already exist



**All**

venues will be accessible by public transport, or non-motorised options (bike, walking and scooters)



### An energy-efficient, shared and inclusive Games: zero-carbon and zero-waste

Paris devised a [Sustainability Strategy](#) for its bid so that the Games fitted into the 1.5°C limit. As such, the carbon footprint will be 55% smaller than London in 2012 and Rio in 2016, while all residual greenhouse gas emissions will be offset. Ambitious targets have also been tabled to preserve natural resources, strengthen biodiversity, improve well-being and health of the community, or boost jobs and training. The various partners must now meet these targets on the ground. For Paris, this means building the Arena 2 multisports venue at *Porte de la Chapelle* (18<sup>th</sup> arrondissement), renovation work on the *Pierre-de-Coubertin* stadium (16<sup>th</sup> arr.), and reception arrangements for spectators, delegations and the media.

### Parisians are getting ready for the Games

In 2017, the City created a series of meetings to rally local residents. Paris hosted *Handisport Open Paris* on 30 to 31 May, the biggest disabled athletics event in France. This showcased the City's efforts for accessibility and rallying disabled sportsmen and women around the 2024 Olympics bid. On 23 and 24 June, the centre of Paris was transformed into a giant sports ground for the *Olympics Days*.



## Paris 2024 must leave a positive legacy for the people of Paris

This is why the City is now launching building projects underpinned by sustainability and inclusion targets. A consultation exercise on the legacy of the Games (tangible and intangible) will be held in 2018.

### → Promoting sport in Paris for all

In spring 2017, 7 sports facilities (5 in wood and two with floor markings), 2 via ferrata climbing routes, 5 petanque courts and a multisport play area had been installed on the banks of the Seine, along the 2.5 km urban walkway, on the right bank.



In July, 3 floating swimming pools were installed in the *La Villette* basin (19<sup>th</sup> arrondissement). Open-water swimming is part of the Swim in Paris Plan and also features in the Paris Adaptation to Climate Change Strategy. It was an immediate success and showed the Parisians desire to reacquaint themselves with water in the city. Samples of water taken throughout the summer were tested and resulted in the Regional Health Agency declaring the water quality to be excellent for swimming right from the outset.



### → Develop a green and pedestrianised city

Paris' first long-distance footpath, the GR® Paris 2024, was inaugurated on 15 June. It runs along 50 km of the *Ceinture Verte* (green belt), linking 70 city-centre green spaces and sports facilities that embody the Olympic spirit in Paris. The City has also developed a project with the city planning studio to build a footpath on the *Ceinture Verte*, combining active health, artistic and cultural pursuits. The path will incorporate lots of new planting and help restore a large green belt to help boost biodiversity in the city.

### → Working for the circular economy

Important place for the social economy, the *Recyclerie Sportive* recycles sports equipment and opened on 4 April, initially at *Grands Voisins* (14<sup>th</sup> arrondissement), before moving to the 17<sup>th</sup> arrondissement. This innovative area is campaigning for a "zero-waste" initiative for sports goods, by repairing and reusing items for as many people as possible.



### → Teaming sport with social innovation

In June, the City launched the first intake for the *Sport social business lab*, the world's first business incubator for ex-sportsmen and women to support their social enterprise or environmental ventures. 10 entrepreneurs submitted their plans to the *Maison des Canaux* (19<sup>th</sup> arrondissement). The 2006 Nobel Peace Prize-winner, Muhammad Yunus, was also present.



### → Including people with disabilities

The place of people with disabilities was one of the key criteria highlighted during the Games bidding process. Paris 2024 set itself 3 priorities, to get more people actively involved in a sport, changing perceptions about people with disabilities and facilitate the growth of a kind and considerate city concerning mobility and access to public buildings or jobs.

The 2016 Agreement between the City of Paris and Seine-Saint-Denis Departmental Council turns hosting the Olympic Games into an ambitious territorial challenge. It features 38 measures based on large-scale redevelopment projects (particularly, *Porte de la Chapelle* in the 18<sup>th</sup> arrondissement or *Porte de la Villette* in the 19<sup>th</sup> arrondissement), supplementary activities to local public policy (including adding to cycle and pedestrian networks), as well as services for local people and events.



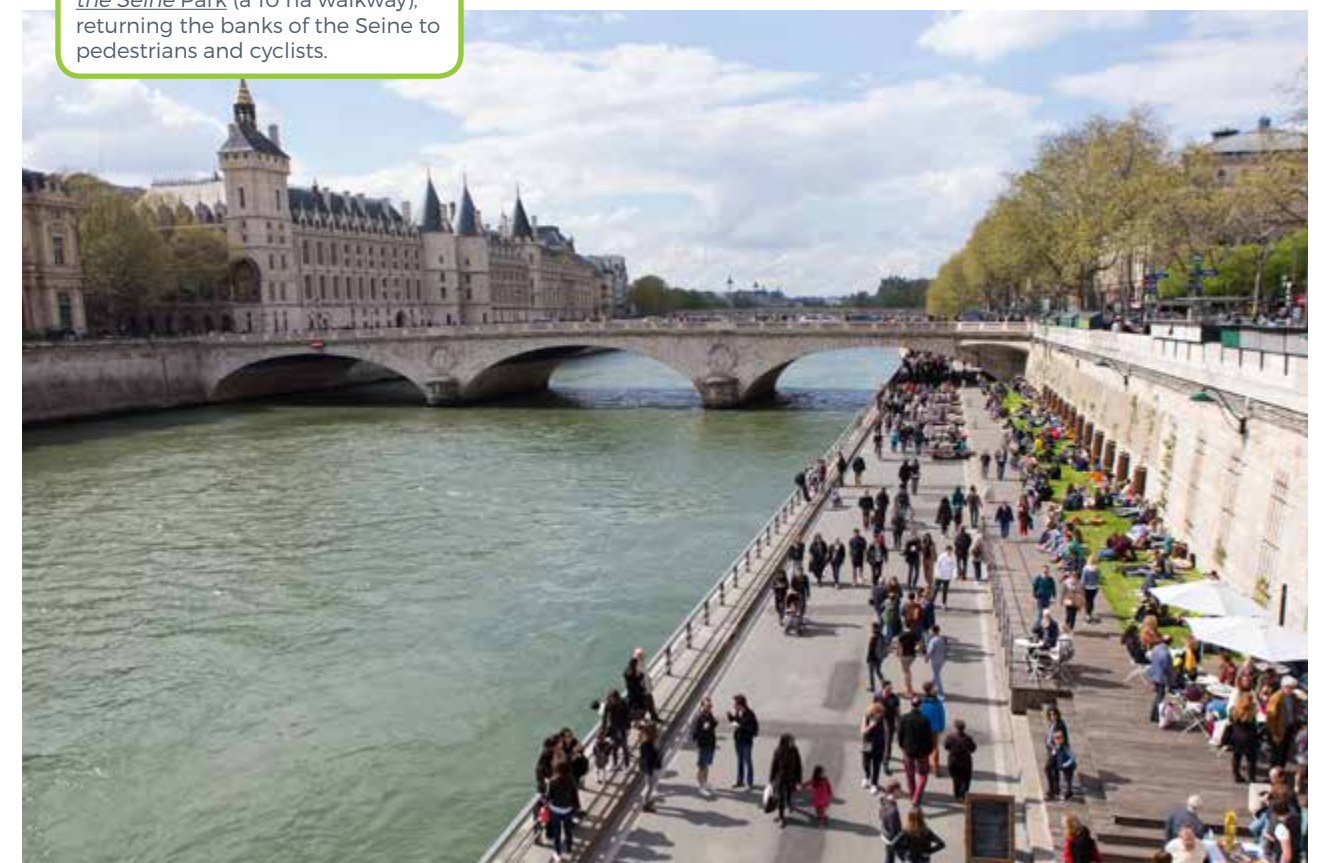


- **8 January** — The City presents its future plans to redevelop the high quays on the right bank of the Seine and the *Rue de Rivoli* (1<sup>st</sup> and 4<sup>th</sup> arrondissements). These projects will give more space to bikes and public transport in central Paris.
- **20-24 January** — Due to a persistent spike in air pollution, Paris introduces free residential parking and restricts the use of *Crit'Air* 4 and 5 vehicles.
- **30 January** — The City adopts the Paris Pedestrian Strategy.
- **1 July** — A new stage for the Fight Against Air Pollution Plan: *Crit'Air* 5 polluting vehicles can no longer be used in Paris (from 8 am to 8pm, Monday to Friday).
- **1 July** — The *LIFE Cool & Low Noise Asphalt* European project starts, to test new low-noise and insulated road surfaces.
- **1 September** — *Mobility Week* showcases city car-sharing schemes.
- **1 October** — The review of the 3<sup>rd</sup> *Car-free Day* is very positive. The scope of the initiative was widened to all of Paris and both appreciated and respected, resulting in a significant drop in noise and pollution levels.
- **14 October** — Paris alerts local people to light pollution at the 9<sup>th</sup> edition of "*Day of the Night*". As such, more than 200 locations in Paris had their lights switched off all night, including City Hall (4<sup>th</sup> arrondissement) and the *Arc de Triomphe* (8<sup>th</sup> arrondissement).
- **8 December** — A call for *air quality trials* is launched by Urban Lab de Paris&Co, AIRLAB *Airparif* and Paris City Council.

## Improve the environmental quality of Paris

With more than 200 inhabitants per hectare, Paris is one of the most densely populated cities in Europe. The City therefore takes public health and well-being extremely seriously. As such, the City is developing many actions to improve air quality, protect local residents from electromagnetic waves or manage and make better use of water. In 2017, Paris stepped up its commitment to promoting active and shared mobility by helping develop public transport services, encouraging travel on foot or by bike, introducing financial aid and limiting the use of the most polluting vehicles. The City wants to set an example in the way it runs its municipal services.

**2 April** — Paris opens the *Banks of the Seine Park* (a 10 ha walkway), returning the banks of the Seine to pedestrians and cyclists.



## Air and new forms of mobility

### Air pollution continues to drop

In 2017, there were no episodes of particle pollution in Paris or Île-de-France as lasting as those of 2016. The number of Parisians exposed to fine particle levels exceeding European thresholds fell significantly, dropping from 200,000 in 2016 to 100,000 in 2017. However, levels for nitrogen oxide remained relatively stable, falling from 1.4 to 1.3 million people. These figures show a drop in both pollutants for the 4<sup>th</sup> year running.



### An improved public transport offer

Paris is redoubling efforts to develop its public transport network:

→ The northern extension of **metro line 14**, is underway and will create two new stations, *Pont Cardinet* (17<sup>th</sup> arrondissement) and *Porte de Clichy* (17<sup>th</sup> arr.). They will take pressure off line 13. Adapting and modernising **Line 11** between *Châtelet* (1<sup>st</sup> and 4<sup>th</sup> arr.) and *Mairie des Lilas* (93) is also on course, with a planned extension to Rosny-sous-Bois (93).

→ SNCF has begun preparatory work to build a station at *Porte Maillot* (16<sup>th</sup> and 17<sup>th</sup> arr.) for the future RER E EOLE line. This new route completes the service offer to the West and Île-de-France and will help take the pressure off certain branches of the RER A line.

→ **T3 tramline**: Work on the **Chapelle-Asnières** (18<sup>th</sup> arr. to the 92 Dept.) section continues in 2017. This new section will be inaugurated on 24 November 2018. The **Asnières-Dauphine** (92 Dept to 16<sup>th</sup> arr.) is being assessed, with almost €100 M of funding allocated by the City Council.

→ A vast reorganisation programme for the Paris **bus network** is scheduled for spring 2019. This rebalancing exercise between bus lines requires considerable redevelopment work and repositioning of bus stops. The city's contribution amounts to €12 M.



### Introduction of the Paris Pedestrian Strategy

60% of trips made in Paris are by foot, so adapting the use of public space accordingly attracted many votes in the Participatory Budget. To make these changes, the Paris Pedestrian Strategy was adopted in January, after wide consultation. The Strategy provides for improvements to pedestrian traffic and promotes walking in Paris by primarily trying to make daily trips by foot easier.

### 2017 is the year of the bike in Paris

Paris set itself ambitious targets to be a cycle-friendly city. With an unprecedented budget of €150 M, the Bicycle Plan seeks to triple the number of journeys by bike between 2015 and 2020. Several cycle paths have been created in 2017, on the *Boulevard Voltaire* (11<sup>th</sup> arr.), between *République* and *Place Léon Blum*, from *Quai Saint-Exupéry* (16<sup>th</sup> arr.) to *Pont Bir-Hakeim* (15<sup>th</sup> arr.), or on the *Rue de Rivoli* (1<sup>st</sup> and 4<sup>th</sup> arr.) and *Saint Antoine* (4<sup>th</sup> arr.).



### New financial incentives for clean transport

In December 2017, the Mayor of Paris announced new funding to encourage citizens and professionals to use clean forms of transport (electric vehicles, NGVs, electric scooters and cargo bikes, etc.). In total, the capital offers some forty different aid schemes, comprising a range and amounts that are unique in France. For instance, the City provides support for the purchase of hybrid or electric taxis.



## The Crit'Air anti-pollution badge scheme becomes mandatory to drive in Paris

**Crit'Air** anti-pollution badges are stuck to the windscreen to identify cars matching the level of pollution they emit (on a scale of 1 to 5). This measure helps deploy the Paris Action Plan to combat vehicle-related pollution.



**55.8 km**

of additional cycle paths built (a 7% increase)



**1,266**

new electric and

**4,232** petrol-electric cars registered on the roads



**More than 700 km**

of quieter streets (30 areas, 30 streets, meeting places and pedestrianised areas), i.e. 41% of Parisian streets by late 2017



**54 km**

of new 30 km/h streets



**60**

**Belib** stations opened by late 2017, or 180 charging terminals



### THE 3<sup>RD</sup> CAR-FREE DAY HELPS CUT POLLUTION LEVELS

The area covered by the 3<sup>rd</sup> edition of Paris' *Car-Free Day* was extended to the whole capital. The initiative helped make considerable cuts in air pollution levels (25% less nitrogen oxide at the junction between the A6 and the Peripherique compared to 2016) and reduce noise pollution too (20% drop in noise pollution levels compared to a normal Sunday).

## Redeveloping the banks of the Seine helps to cut pollution levels by 25% locally

The lower quay in the Right Bank of the Seine has been reserved for pedestrians and non-motorised traffic since late 2016. The purpose of this development in central Paris is to help efforts to improve air quality and create a new area to walk in and enjoy the fresh air on the riverbank. It also enhances this UNESCO world heritage-listed site. A progress report was delivered 6 months after the quayside was closed to traffic and from September 2016 to February 2017, the number of cars in central Paris during rush-hour fell by 28.8%. This measure also has a direct effect on air quality, as pollution levels in the area have dropped by 25%. The report does, however, identify a 5-10% rise in pollutant concentrations at the *Quais Henri IV* (4<sup>th</sup> arr.), the *Célestins* (4<sup>th</sup> arr.) and *Bercy* junctions (12<sup>th</sup> arr.). To address this, the City plans to extend the 72 bus route from its current terminus at City Hall (1<sup>st</sup> and 4<sup>th</sup> arr.) to the *Gare de Lyon* station (12<sup>th</sup> arr.) via the upper quayside.



### PARIS OPENS THREE NEW "PARIS RESPIRE" CLEAN AIR ZONES

The "*Paris Respire*" (*Paris breathes*) initiative began in 2003, to improve the quality of life of local people by closing areas of the city to traffic on Sundays and public holidays. In 2017, three new "*Paris Respire*" zones were opened in the *La Villette* basin (19<sup>th</sup> arr.), the *Butte aux Cailles* (13<sup>th</sup> arr.) and *Jourdain-Levert* (20<sup>th</sup>). This brings to 19 the number of clean air zones in Paris, including 4 in summer (open from April to September). Some areas in the *Boulogne* (16<sup>th</sup> arr.) and *Vincennes* (12<sup>th</sup> arr.) woods are open on Saturdays too.

## Health



**30%**

The percentage of the Peripherique expressway covered by low-noise road surfaces, with a target of 50% by late 2019



**5 V/m**

The maximum threshold for exposure of Parisians to mobile telephone network electromagnetic waves imposed by the Mobile Telephony Partnership Agreement



Mobile telephone monitoring measurements can be taken at home using a request form available from [paris.fr](http://paris.fr)

### The Paris Health Environment Plan, helping to build a healthy city

The Paris Health Environment Plan is an overarching programme to improve the health of Parisians and reduce social and territorial inequalities in environmental health. The Plan features 16 actions with ambitious targets, such as informing and advising Parisians and creating an environmental health unit to support civic and voluntary sector initiatives, etc. Building a healthy city means introducing health-focused urban planning processes and assessing effects on health. As such, an initial assessment was made in 2017 on the legacy from organising the 2024 Olympic and Paralympic Games. A 2<sup>nd</sup> assessment has been launched on an urban regeneration project at the main thoroughfares in the 20<sup>th</sup> arrondissement.

#### ÉVALUATION D'IMPACT SUR LA SANTÉ (EIS) RAPIDE HÉRITAGE DE LA CANDIDATURE DE PARIS 2024 AUX JEUX OLYMPIQUES ET PARALYMPIQUES



Décembre 2017

### The City protects Parisians from electromagnetic waves

Paris has adopted a new Mobile Telephony Partnership Agreement. It commits the 4 operators in the sector to a 30% reduction in the maximum authorised threshold for exposure to waves, compared to the previous Partnership Agreement, from 2013. This threshold has been set at 5 V/m, making Paris the most protective capital cities in Europe. In parallel, the City has established a municipal wave observatory. It is tasked with checking childcare facilities, creches and schools, as well as monitoring public spaces and on some thirty other housing association-owned and municipal facilities. In addition, the City also offers Parisians the opportunity to check their homes, by making a simple request in [paris.fr](http://paris.fr).

#### THE 2<sup>ND</sup> EDITION OF ENVIRONMENTAL HEALTH WEEK BRINGS TOGETHER BUSINESSES AND LOCAL PEOPLE

This event for businesses and the capital's citizens seeks to generate synergies between all those living in the local area who can help to meet the goals of the Paris Health Environment Plan.

#### THE 7<sup>TH</sup> EDITION OF MOVE SMART ATTRACTS 2,400 CHILDREN

Featuring practical and educational workshops, exhibitions, and activities on food waste and waste sorting, or even first-aid, the 7<sup>th</sup> edition of *Adventures of move smart* attracted 2,400 children to the *Halle Carpentier* (13<sup>th</sup> arr.). Coordinated by the Paris Health Nutrition association, this cross-cutting project is part of the 2024 Paris Olympics and Paralympics support programme.





## Water

### THE MANAGEMENT OF EAU DE PARIS HAS BEEN APPROVED BY THE REGIONAL CHAMBER OF ACCOUNTS

The Regional Chamber of Accounts highlighted the quality of service provided by *Eau de Paris*, in terms of industrial aspects, interpersonal relations and finance. The Chamber also emphasised the water in Paris remained the cheapest operator in the Ile-de-France area, thereby setting a regional standard.



**90.3%**

The return rate from the drinking water network



**€1.0063**

for a cubic metre of drinking water (excl. tax and subscription charges), as of 1 January 2018, one of the cheapest rates in France



**3,552 ha**

of land being farmed organically and



**9,761 ha**

of sustainable crop production in partnership with *Eau de Paris* water company



**181**

drinking water fountains in Paris



**25**

new Arceau fountains and



**2**

sparkling water fountains are now in service as part of the Participatory Budget



## Exemplary administration

→ Paris renews the Mobility Plan of the Parisian Authorities 2017-2021. It features 21 actions, with 4 high-profile priorities to:

- convert the municipal fleet (dumper trucks and utility vehicles) to cleaner-running vehicles (electric or bioNGV)



- optimise supply orders and deliveries by improving the environmental clauses in public works contracts

- boosting the appeal of cycling and alternative forms of mobility

- promote tele-working, with a target of 1,500 tele-workers by 2020. There were already 635 in 2017.

→ All cleaning products used in council-owned facilities, such as creches, schools and sports halls are eco-friendly.



By the 1<sup>st</sup> semester of 2017,

**60.91%** of public service contracts contained environmental clauses and/or criteria, with the exception of a "travel/drivetrain choices" clause



**2,000**

tonnes of tyres collected and recycled (excluding HGVs)



**20**

tonnes of workshop waste collected, 60% of which goes to produce energy and 40% for re-use



## Paris international

→ Paris and the Metropolis of Greater Paris officiated over the creation of the **CUAPO**, a global urban air pollution observatory. Paris has also joined the **WHO** (World Health Organisation) *BreatheLife* Campaign.

→ Paris, along with 12 global cities, is pursuing a zero-emissions target, to eliminate fossil fuel powered vehicles by 2030.

→ Paris, London and Seoul meet at City Hall for *Airvolution*, a conference to redesign the vehicle referencing system based on actual particulate pollution emissions.





**25 February - 5 March** — The City exhibits at the 54<sup>th</sup> International Agriculture Show to promote urban agriculture, sustainable food and city-countryside links.



**2 March** — 38 new public and private and semi-public stakeholders adopt the "Objective: 100 hectares" Urban Greening Partnership Agreement.

**27 March** — The Forum to report on the [new Biodiversity Plan](#) attracts almost one hundred contributors.



**3 May** — Paris launches a new call for projects on the subject of *learning about and teaching biodiversity*.

**18 July** — Paris launches an international call for urban agriculture projects, for the 7,061 m<sup>2</sup> roof of the *Chapelle international* logistics centre (18<sup>th</sup> arr.).



**28 September** — The 2<sup>nd</sup> *Parisculteurs* call for projects proposes 43 sites for urban agriculture projects.

**29 November** — The City launches a call for projects to grow hops on 10 municipal plots, with the aim of the first harvests in September 2018.



## Promote biodiversity in Paris: green and blue corridors

With the Boulogne wood (16<sup>th</sup> arrondissement) and the Vincennes wood (12<sup>th</sup> arr.), almost 500 parks and gardens, 100,000 tree lines, as well as the Seine and the canals, Paris provides a multitude of niches for flora and fauna. Biodiversity is vital to the quality of life of people living in Paris, but it is fragile and under threat. This is why Paris is working to conserve it by increasing the place occupied by nature in the city, by developing new spaces and incorporating room for nature in development projects, by greening up buildings and public spaces, developing urban agriculture and by raising the awareness of Parisians. In 2017, 673 proposals submitted the previous year were ranked and a [new Biodiversity Plan](#) was produced as a sign of concerted efforts made by the capital.

**24 April** — Paris launches a call for projects to develop a 3,500 m<sup>2</sup> plot for intensive organic permaculture at the *Ferme de Paris* (12<sup>th</sup> arr.).



*Interface Formation*, the social enterprise wins a call for project proposals



## Biodiversity and vegetation

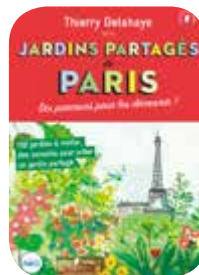
### Objective 100 hectares: public and private sectors state their ambitions

The "Objective 100 hectares" Partnership Agreement aims to reach 100 ha of newly planted green areas on the capital's buildings by 2020, including 30 ha of urban agriculture. In 2016, 33 partners signed the Partnership Agreement and most took part in the first *Parisculteurs* call for projects. In 2017, 38 additional private and public sector stakeholders joined in and signed the Partnership Agreement. This unprecedented level of involvement marks the emergence of a proper urban agriculture cluster, contributing to the Partnership Agreement objectives. Also, 9.7 ha of green roofs and walls were recorded in building and extension projects that secured building permits in 2017.



#### PARIS PUBLISHES A GUIDE FOR ITS COMMUNITY GARDENS

In conjunction with *Editions du Chêne*, the City Council has published a guide to discover 40 community gardens in the capital, on 10 walking trails. The guide also features all the other addresses of community gardens in Paris. It also explains how to create your own community garden in Paris, how to find out about aid on offer by the City and guidance on volunteering schemes.



### Animal welfare in Paris

The Animals in the City initiative began work in February to study the actual place of animals in Paris. It helped gain an overview of regulations concerning the living conditions of animals in the capital and to gather proposals from elected members of Paris City Council, as well as local stakeholders. The initiative began with a consultation of interested parties concerned by the state of animals in Paris. There were 8 meetings on different topics, 3 site visits and 200 contributions were gathered.



Southern Ground Hornbills at the Vincennes Zoological Park (12<sup>th</sup> arr.)



### The City is involving citizens to protect and develop its biodiversity

Urban biodiversity is a key factor for the quality of life and health of Parisians. To inform its citizens about biodiversity, the City launched a call for projects on *learning about and teaching biodiversity*. This initiative is geared to associations and community garden schemes that want to start or develop a learning or educational project on preserving and improving biodiversity. The successful projects were awarded grants to deliver their activities.



#### FLORA AND FAUNA ARE BEING SURVEYED IN THE FUTURE CHAPELLE-CHARBON PARK (18<sup>th</sup> ARRONDISSEMENT)

The City undertook a year-long survey to identify typical species on waste land, whether ordinary, rare, under threat or protected. It set itself the challenge of indigenous flora lifted from the site to be replanted when development work begins.



2 new walking trails available on the *Balades Paris Durable* mobile app, to discover the *Buttes-Chaumont* (19<sup>th</sup> arr.) and surrounding area, as well as *Père Lachaise Cemetery* (20<sup>th</sup> arr.)

## 510 trees have been planted at the *Cité universitaire* (University campus)

Trees play a key role in cities. They cool the air and promote biodiversity. This is why Paris agreed to plant 20,000 additional trees in the capital by 2020. During winter 2016-2017, 510 trees were planted at the *Cité universitaire* complex (14<sup>th</sup> arr.) out of a target of 1,465 by 2020.



## Paris gains additional, new green spaces

→ The Yilmaz-Güney Garden (10<sup>th</sup> arr.) covers 1,000 m<sup>2</sup> between the *Rue de l'Échiquier* and the *Boulevard Bonne-Nouvelle*. The range of plants mainly comprises regional species. The flowerbeds are made from logs salvaged from the Boulogne wood (16<sup>th</sup> arr.).



→ The Léon-Zyguel Garden (20<sup>th</sup> arr.) provides 400 m<sup>2</sup> of green space, including trees and shrubs from native flora in Ile-de-France. These have been selected to encourage the growth of biodiversity in the garden.



## THE GREEN AND FARMED ROOFTOP GUIDE

To reach the target of 100 ha of green roofs and walls by 2020, Paris wants to rally everyone linked to this venture, such as building and landscaping firms, property owners, investors and residents too. As such, it has published a green and farmed rooftop guide to give support and guidance on all the stages of a vegetation or urban agriculture project.



Rooftop farming in the Council offices at 4 *Rue de Lobau* (4<sup>th</sup> arr.)



## Biodiversity and vegetation

### The first Urban Agriculture Awards reward Parisian urban agriculture projects

In December, a jury of elected officials and specialists selected 6 prize-winners. This first award ceremony represented a great snapshot of the diversity in urban agriculture, with techniques (indoor cultivation, hydroponics, arable crops, etc.), project leaders (community garden schemes, gardens promoting inclusion or learning, farms, etc.).



#### THE 48-HOUR URBAN AGRICULTURE CHALLENGE INVITES PEOPLE FROM ILE-DE-FRANCE TO GREEN UP THE CITY

Organised by the *La Sauge* Association, the *48-hour Urban Agriculture Challenge* promotes gardening in the city and community planting schemes. There were a host of free events at the 2<sup>nd</sup> edition, as well as seed handouts for local people.

#### A 100% "MADE IN PARIS" BEER

In November, the French Brewers Association took over the *Chai de Paris* (12<sup>th</sup> arr.) to set up a pop-up brewery and brew a "Paris Beer" made from barley and hops grown in the Vincennes wood (12<sup>th</sup>).

#### PARISCULTEURS - SEASON 1

The first site, inaugurated in March, was at the RIVP head office (the City of Paris Property Management Company), in the 13<sup>th</sup> arrondissement, while a plot at the *Jean Dame* Gymnasium (2<sup>nd</sup> arr.) was opened in June. The final site in 2017 was a plant nursery installed on the roof of an electricity substation on the *Rue de Chanzy* (11<sup>th</sup> arr.). In 2017, a total of 9 projects were set up and have already gathered their first harvests



*Rue de Chanzy* (11<sup>th</sup> arr.)

### Parisculteurs, Season 2: 43 new sites

In 2017, season 2 focuses on the topic of urban agriculture and features 43 sites covering a total of 10 ha. The sites vary hugely (roof terraces, underground, tunnels, etc.) and are spread across the whole Paris area, as well as Pantin, in Saint-Denis (93).



Hydroponic cultivation on the *RATP* yard at 19 *Place Lachambeaudie* (12<sup>th</sup> arr.)

### An educational farm sets up in Kellermann Park (13<sup>th</sup> arr.)

The *Ferme de Paris* is growing and is setting up the very first city-centre urban educational farm, in Kellermann Park (13<sup>th</sup> arr.). Covering some 2,300 m<sup>2</sup>, it features a sheep pen, a poultry yard and rabbit hutches.



#### MOBILE FARMS CRISS-CROSSING PARIS

Every month, since 2016, an educational farm travels to meet Parisians in different arrondissements. The purpose of this scheme is to inform residents about urban agriculture and promote animals in cities, while fostering social bonds. In 2017, for example, the mobile farm set up in the *Choisy* Park (13<sup>th</sup> arr.) and in the *Belleville* Park (20<sup>th</sup> arr.). In total, 4,260 Parisians visited the mobile farm during the year.

## Biodiversity Plan



453

Eco-jardin® parks and garden have certified for their ecological management practices



57

biodiversity projects supported, run by community garden schemes, jointly-owned properties, museums, private companies (gardening advice and setting up beehives, etc.)



400

species of mushrooms and lichens



700

wild plant species



1,200

animal species

**Paris is home to around ten plant species and nearly 130 types of animals that are under threat or protected regionally or nationally.**



Fox cubs in the Thiais Cemetery (94)

## Greening up



1,257

Green Licences issued in 2017, making **2,509** since the campaign started in July 2015



3,262 m<sup>2</sup>

green walls financed by the "Gardens on Walls" Participatory Budget initiative, since 2014, i.e. 32 installations



111 ha

of green walls and roofs (target of 100 ha by 2020 reached)



A green wall on the Rue Olivier de Serres (15<sup>th</sup> arr.)

## Tree planting



8,762

new trees planted since 2014 (with a target of 20,000 additional trees by 2020)

## Green spaces



16

green spaces in Paris were opened 24 hours a day during summer 2017 (or 70 ha)



4.3 ha

of green spaces (created or reclaimed) delivered in 2017



20

new gardens created since 2014, including 7 opened in 2017

## Urban agriculture



**Parisculteurs Season 1**

32 sites

5.5 ha in total



**Parisculteurs Season 2**

43 sites

10 ha in total



**Hops 1 Project**

10 sites

forming a 1 km-long row of hops



207

schools with a vegetable garden



**A total of 113**

schools with orchards, including 44 planted in 2017 with



855

fruit trees planted in total (337 in 2017)



7

new community gardens in 2017 (123 community gardens and 19 educational gardens, in total)



4,260

visitors to mobile farms



## Grassroots and festive initiatives, and planting awareness campaigns

Numerous events were held in 2017 to promote nature in the city and inform local people about planting schemes

**On 4 and 11 March** → Plant sales were held from the **city horticultural nursery** (4<sup>th</sup> and 19<sup>th</sup> arr.).

**In mid-March** → 8,000 **sachets of seeds** were distributed on the banks of the Seine and in the Bercy Park (12<sup>th</sup> arr.) and 30,000 by arrondissement town halls.



**On 1 April** → **Paris celebrated its trees**, by showcasing its best examples along with its plant heritage and the staff that take care of them.

**On 13 May and 10 June** → **Ladybird larvae** were distributed to community garden members and planting permit holders, to tackle aphids.

**On 20 and 21 May** → The **Breuil school** (12<sup>th</sup> arr.) celebrated its 150<sup>th</sup> anniversary.



**In June** → **Végétalisons Paris** (Let's plant Paris) organised a photo competition to honour planting schemes by local people. The prize-winning photos were displayed on the walls of City Hall (4<sup>th</sup> arr.) in August.

**On 2, 4 and 5 June** → After the big harvest at the *Place Vendôme* (1<sup>st</sup> arr.), the City in conjunction with the artist, Gad Weil turned *Avenue Foch* (16<sup>th</sup> arr.) into a **BiodiversiTerre**. There were six plant, living and interactive paintings to celebrate biodiversity.



**On 24 June** → The 3<sup>rd</sup> edition of the **Bee and Honey Festival** took place and invited Parisians to discover some beehives in the capital.

**On 27 June** → The [www.vegetalisons.paris](http://www.vegetalisons.paris) website was launched. This participatory web platform is designed to present projects near you, as well as your own, to swap tips, ask questions and exchange advice.

**On 23 and 24 September** → Municipal grounds maintenance staff welcomed Parisians to the 21<sup>st</sup> **Garden and Urban Agriculture Festival**, a fun and friendly educational event.

**On 3 October** → The 1<sup>st</sup> **Végétalisons Paris** (Let's plant Paris) **evening** was organised at the 12<sup>th</sup> arrondissement town hall. Around twenty participants came to share their experiences.

**On 7 October** → The **Vine and Grape Festival** held a range of events on grapevines, such as planting advice, growing and maintaining vines, guided visits to vineyards, conferences and walks, etc.





## biodiversity

On 19 October → The 2<sup>nd</sup> "**Bulbs at All Stages**" campaign took place, when 40,000 sachets were distributed freely to Parisians.



In December → The "**Recycle Your Christmas Trees**" campaign provided 164 collection points to reuse green waste.



On 18 and 25 November → Two new plant sales were organised to use up surplus production at the city horticultural nursery (5<sup>th</sup> and 8<sup>th</sup> arr.).



### Exemplary administration

→ Cemetery maintenance in Paris has complied with zero-plant protection product rules, in the interests of council staff and visitors' health, but also to reduce soil, water and air pollution, as well as improving biodiversity.



→ In 2017, more than 200 nesting boxes were installed in Paris' cemeteries.



→ *Objective 100 hectares*: more than 3 hectares of municipal building space has been greened-up.

→ Watering in the Bagatelle Park, in the Boulogne wood (16<sup>th</sup> arr.), now uses non-potable water. As a result, nearly 12,000 m<sup>3</sup> of drinking water has been saved each year.

→ In the first half of 2017, 34.45% of public service contracts contained a clause or criterion promoting biodiversity.

→ 551 council employees have attended 43 training sessions on biodiversity, to boost their knowledge in a range of subjects, including beehives and wind pollinating insects, renewing the eco-jardin label and the Asian hornet, etc.



### Paris international

→ In June, the Mayors of Paris and Montreal inaugurated the new "*Parc de la Presse - Jardin de Paris*" garden, designed with a landscape architect from Paris City Council. It contains a work of art called "*Les Touristes*" by the Sculptor, Elisabeth Buffoli. The sculpture was gifted by Paris to the city of Montreal for its 375<sup>th</sup> anniversary.

innovation



# Innovation to support sustainable development

Innovation compels Paris to build a smart and sustainable city.

1

## For the common good

### A trial on an innovative tarmac to cut noise and heat

Having successfully bid for European funding from the *LIFE* environment and climate programme, the City received a grant of €1.3 M, amounting to 60% of the total cost of this pilot project, which will last 5 years.



### A new street lighting system for a smart city

Paris has developed a new control system for lighting as part of the Energy Efficiency Contract programme. The aim is to regain control over the use of lighting infrastructure using a totally innovative, safer and more robust solution, by installing 18,500 GPS-tracked control units. The system also lends itself to other urban uses. For example, from 2018, it will be used to synchronise all clocks in the City.



### TESTING DRIVERLESS SHUTTLES ON THE CHARLES DE GAULLE BRIDGE IS A SUCCESS

In 2017, the City began an experiment with two driverless shuttles on the *Charles de Gaulle* bridge (12<sup>th</sup> and 13<sup>th</sup> arr.). 30,000 travellers tested this new, 100% electric-powered, form of transport for free, from late January to early April. Following this success, the shuttles were then tested at the Vincennes wood (12<sup>th</sup> arr.) in autumn 2017.



## Helping economic development and jobs

These innovative projects, as well as new, versatile methodologies and co-construction, are levers to boost the City's economic appeal. This appeal is supplemented by various initiatives renewed each year.

### The *Innovation Awards* ceremony supports innovative businesses in Ile de France

In December 2017, 10 prize-winners were rewarded at the 16<sup>th</sup> edition with grants of up to €100,000. Among them is the "In Sun We Trust" company, which encourages private individuals to invest in photovoltaic energy by showing them how profitable it can be. This uses an online tool to calculate the power generation potential of any roof space. The "Carillon", by contrast, is a network of solidarity-based retailers that provides free services to homeless people.



### *DataCity* is the 1<sup>st</sup> French open innovation programme for smart cities

For its 2<sup>nd</sup> edition, 12 start-up companies (from 225 applications) were selected to invest the city of tomorrow, using data sharing in various sectors such as energy, waste management, logistics, mobility or smart buildings. Given the resulting success of the Parisian programme, *DataCity* is being rolled-out on the international stage, with support from [C40](#).

### Paris is trialling future forms of mobility with the IO Workshop

In October, the City established a partnership with the IO Workshop, based at Station F (13<sup>th</sup> arr.) and *Focus*, its product development support programme. The first edition of *Focus* targets "driverless vehicles and connected mobility solutions".

## Digital tool to design the city of tomorrow

The City is stepping up digital tech projects to bring Parisians together and involve them in their sustainable development initiatives.

### Open data, transparency in public action and community participation

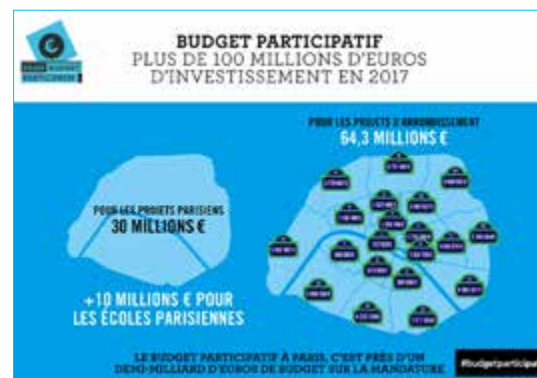
The French Digital Republic Act of 2016 brought in the principle of open data, whereby each public stakeholder must publish data they possess and allow it to be re-used. In Paris, there has been a portal since 2011 for publishing City Council data that can be consulted by everyone. As part of this process, the City published data on its Urban Local Plan, in 2017.

### *DansMaRue* helps report problems in Paris

*DansMaRue* (*InMyStreet*) is an initiative (using a mobile app, web form, or text to 3975) enabling Parisians to report any sightings of problems concerning public areas and municipal facilities to the appropriate Council services, to resolve them or attend to them. It has been tested since 2013 and the system underwent a comprehensive make-over in 2017 to add new functions and services requested by Parisians. The system now records almost 20,000 reports each month.







- 28 March** — Paris launches an ambitious support plan for 65,000 Parisian associations.
- 19 June** — The City launches a call for projects to develop a *Civic Hall*: a place for those involved in civic engagement to make arrangements and meet.
- 27 June** — The collaborative web platform *Végétalisons Paris* ("Let's plant Paris") offers information, advice and mutual assistance to maintain urban planting initiatives.
- 30 August** — *Le Génie d'Alex*, a pop-up cultural centre freely accessible to opens its doors under the Alexandre III bridge (8<sup>th</sup> arr.).
- 5 October** — 168,000 Parisians voted for the 2017 round of *Participatory Budget* projects.
- 6 December** — The "*Paris I commit myself*" evening event, organised for *International Volunteering Day*, is the place to be for Parisian volunteers.
- 12 December** — The Civic Participation Partnership Agreement is adopted. It features 10 principles to exercise local democracy in Paris.

## Contribute to the fulfilment of all through citizen participation

Community participation is a key factor in municipal policy. It ensures a more cohesive society and contributes to the concept of "living together". In addition to consultation bodies that are being renewed and reformed, Paris is developing innovative and inclusive participatory tools, such as the *Participatory Budget*, one of the most effective examples. The City also supports the voluntary sector and highlights Parisians who get involved in sustainable development initiatives, such as the *Actors of Sustainable Paris*.



**12 December** — The 100 members of Parisian Council of Youth begin their new programme.



## Participatory Budget

### Involvement in the Participatory Budget is booming for the 2017 round

The 4<sup>th</sup> edition of the Participatory Budget set a new record of participation, 5.7% up on 2016! In total, including schools and colleges, 168,000 Parisians voted in the Participatory Budget to support 196 projects in 20 of the city's arrondissements. The successful projects target, for example, improving the cleanliness of city streets, promoting greenery in the city and greater solidarity for the most vulnerable. New for 2017: the RATP has joined the initiative, with a project to brighten up its stations, which went to the vote. Like every year, the €100 M budget allocation (including **€30 M for working-class neighbourhoods**) helps to deliver the successful project proposals. Since 2016, a special budget of **€10 M per year** has been set up **for primary and secondary schools**.



To keep up with the projects, visit the "suivi des réalisations" (project follow up) page on the [budgetparticipatif.paris](http://budgetparticipatif.paris) website!



**168,000**

Parisians, including 67,694 school pupils, voted for 196 projects in 20 of the city's arrondissements



**60**

projects in working-class neighbourhoods, amounting to an overall budget of €33 M

#### THE "WORKING-CLASS NEIGHBOURHOODS WITH POSITIVE ENERGY" PROJECT

This project is funded by the 2016 Participatory Budget and generates electricity of hot water ecologically and economically, to help combat fuel poverty in working-class neighbourhoods. In 2017, some ten solar power locations were identified to install solar panels.

## The voluntary sector



**65,000**  
associations



**100**  
freely available  
IT workstations



**113,000**  
employees



**An average of 5,000**  
associations are formed each  
year in Paris



**16**  
*Maisons des Associations*  
are renamed *Maisons de la*  
*Vie Associative et Citoyenne*  
(voluntary and civic centres),  
in 2017

#### AN ELECTRONIC DISPLAY EXPERIMENT FOR ASSOCIATIONS IN THE 18<sup>th</sup> ARRONDISSEMENT

To raise awareness about association activities, Paris tested the distribution of smart screens fitted inside municipal facilities and visible from the street.





## Participatory development & temporary urban planning

All planning projects, in their various states, include community consultation measures. Innovative methods are also being tested in iconic public space projects (such as Paris' main squares), in projects to build new neighbourhoods (Regeneration sectors, the *Saint-Vincent-de-Paul* Project (14<sup>th</sup> arr.), etc.) and in the delivery of innovative urban development projects (*Reinventing Paris*, *Participative Environment*, urban agriculture).

### The City brings its residents together to reinvent its main squares

In keeping with targets set, 7 main squares in Paris will have an average 50% more space for pedestrians and non-motorised transport by 2020. Among them is the Nation Square (11<sup>th</sup> and 12<sup>th</sup> arr.) where an innovative and participatory approach is being used to design its future layout, with a lead-in period that allows for changes to future plans. Redevelopment plans for the Bastille Square (4<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> arr.), have also been jointly undertaken with users, local residents and local groups.



July Column, Bastille Square (4<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> arr.)

#### THE PARTICIPATIVE ENVIRONMENT CALL FOR PROJECTS ENTERS ITS FINAL PHASE

In 2017, 3 successful applicants from the 2016 call, submitted their project proposals. Environmental, legal and financial checks are underway so that the City can sell the identified plot of land to the group.

#### PLANS TO IMPROVE THE MONTREUIL GATE ARE PRESENTED TO LOCAL RESIDENTS

The project of Montreuil gate (20<sup>th</sup> arr.) planning will transform the current roundabout into a quiet, peaceful area, as part of the green belt, giving lots of space to non-motorised transport, pedestrians and cyclists. The aspiration of this redevelopment scheme also extends to the launch of an international "*Renovating Cities*" call for projects, to create new buildings around the square and along the Peripherique ring road.



### Parisians have their say about environmental noise

→ Paris is working to put a lid on noise through 39 actions contained in the Environmental Noise Prevention Plan. The City also wants to get local people involved. For example, consultation meetings have been organised to develop a noise assessment test to inform plans for improvements to the Nation Square (11<sup>th</sup> and 12<sup>th</sup> arr.). Some successful projects from the Participatory Budget initiative also address noise problems.

→ The "Dine in Peace" initiative promotes calm meal-times by improving sound insulation in school canteens, thereby helping improve the quality of life and learning environment for schoolchildren. In 2017, 35 schools held a vote to cut noise levels in their refectories and 10 schools have already benefited from improvements work.



Noise-absorbent acoustic panels

#### THE SERPOLLET HOTEL IS TEMPORARILY OCCUPIED

The *Plateau Urbain* cooperative has taken up 1,300 m<sup>2</sup> of this building, in the 20<sup>th</sup> arrondissement, to develop it into a business start-up and innovation centre. Until the building closes for major refurbishments, 32 business and associations are making use of it to give Eastern Paris a new centrality in the city.



## Consultation bodies, participatory tools

### Children have their say at the Junior Advisory Committee

As part of efforts to involve children in developing public policies that concern them, the City launched a call for applications to Parisians aged 11 to 14, to form the first Junior Advisory Committee. With some forty members and a 3 year remit, the Committee enables young people to propose new activities linked to their everyday lives in Paris and to be involved in implementing them.

### The Council for Future Generations presents the fruits of 18 months of work

The Council for Future Generations (the economic, social and environmental council of Paris) was established in March 2016. With 164 members representing Parisian civil society, the Council for Future Generations met for a plenary session in October 2017 to present its proposals to build a responsible, collaborative economy in Paris.

### Updates in 2017 from consultation bodies

#### → The Parisian Council of Youth conducts its first annual review

The Parisian Council of Youth enables 100 young people, aged 15 to 30 to get involved in developing municipal policies. In 2017, the Council supported 5 key actions, including developing recommendations for the new Climate Action Plan, or the setting up of a partnership arrangement with the municipalities of Saint Denis (93) for the 2024 Olympic and Paralympic Games. In December, the Council again demonstrated its appeal, as 1,002 young people applied to join the next intake.

#### → The Night Council publishes its review

The Night Council represents Parisians involved in the night-time economy, to work together to develop activities while preventing disturbances. Among the major successes of 2017 were night-time access to new green spaces, initial exchanges with the 'Night Owl' Committee, or progress on regulations thanks to local conflict resolution services. An exhibition presenting the wealth and diversity of Parisian nights also attracted 13,700 visitors to the City Hall (4<sup>th</sup> arr.).



#### SOCIAL AND ENVIRONMENTAL ISSUES WERE IN THE SPOTLIGHT AT THE 4<sup>th</sup> NIGHT OF DEBATES

The 4<sup>th</sup> edition of the *Night of Debates*, in November, saw some 70 different discussions held in cafes, museums, universities and other community facilities in the capital. Local people talked about various subjects, such as combating violence against women, the social and solidarity economy, or the local community role in delivering the Paris Climate, Air and Energy Action Plan.

#### THE FESTIVE PAVILIONS INITIATIVE IS A BIG SUCCESS

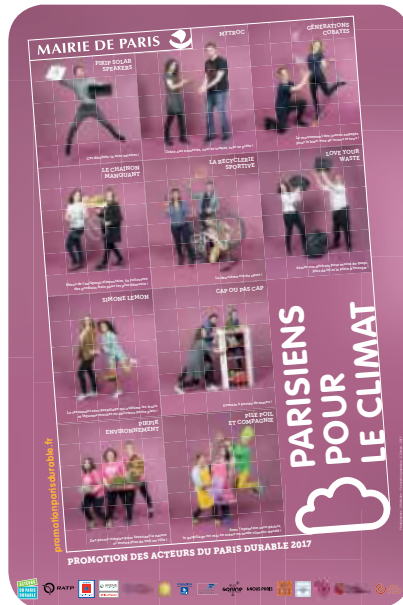
The "pavilions to have party" project won support from the 1<sup>st</sup> Participatory Budget in 2014. Following renovation work to park and garden pavilions, the City launched an annual call in 2016 for projects to make use of these spaces. The 2017 round supported more than 700 friendly and sociable events in 40 pavilions. Buoyed by this success, the 2018 call opened in November.



## Actors of Sustainable Paris

### The 5<sup>th</sup> ceremony of the Actors of Sustainable Paris unveils its 10 prize-winners

The Actors of Sustainable Paris promotes private individuals, associations or companies that act in the interests of the climate, the circular economy, the environment and sustainable development in the capital. For its 5<sup>th</sup> edition, the Actors of Sustainable Paris ceremony identified 10 prize-winners who are delivering eco-exemplary projects for the Paris of the future. These featured active and sporting recycling, solar energy-radiated sound, environmental education for sorting waste and smart consumers, the sharing and mutual assistance economy, food redistribution, anti-waste humour and even saving ugly fruit and vegetables.



### Networking & Chat evenings bringing together project leaders and interested citizens

The first *Networking & Chat* evening events were held in 2 pilot town halls in the 3<sup>rd</sup> and 19<sup>th</sup> arrondissements, where local people leading environmental projects presented their approaches to those wanting to know more about what was going on in their districts. The town halls organised these evenings in conjunction with the Actors of Sustainable Paris centre to create a link "between the local district and the Planet".



**4,217**  
registered Actors of Sustainable Paris



**6,736**  
people have joined the Actors centre (4<sup>th</sup> arr.)



**13,171**  
Actors following the Facebook page



more than **400,000**  
Actors involved



**93,740**  
website visits



**4,147**  
Actors following the Twitter feed

## Exemplary administration

→ "La Transfo" is an initiative combining fifteen volunteers to design and test new working methods to develop a future public innovation laboratory.



→ Paris launches a call for ideas to combat musculo-skeletal disorders. These are mainly for Council employees doing physically arduous jobs, or tasks undertaken in difficult environmental conditions.

→ The twelve QualiPARIS label commitments were reviewed to better adapt the City's services to changes in society. The label now includes digital technology and is trialling an environmental strand.

→ "Dases 360" is an innovative project developed with City Council employees. It uses a participatory process involving well-being in the workplace, improvements in organisation and the development of smart, collective tools.



→ The first "Start-Up from the City" digital entrepreneurship programme supports City council employees in their innovative digital technology ventures.



## Paris international

→ The cities of Paris, Mexico and Medellin exchange and share good practice or developing public spaces and civic participation.

→ A participatory project was undertaken as part of this initiative in the 17<sup>th</sup> arrondissement to make plans for the future Navier Square.





**12 January** — The Seniors and caregivers centre opens on *Quai de Jemmapes* (10<sup>th</sup> arrondissement). This support project is designed for the over-60s living in the 9<sup>th</sup>, 10<sup>th</sup> and 19<sup>th</sup> arrondissements of Paris, but also involves their helpers and professional carers.

**8 March** — Paris pulls out all the stops for *International Women's Rights Day*.

**7 June** — The 2017-2021 «Seniors in Paris» Plan, is adopted by the City.

**30 June** — An exhibition on apprenticeships is inaugurated at the City Hall (4<sup>th</sup> arr.).

**10 October** — The first edition of *Paris Solidarity Capital* offers Parisians the chance to share a moment with those working to develop solidarity in Paris.

**19 October** — The Mayor of Paris is chosen by the OECD (Organisation for Economic Co-operation and Development) to preside over the *Mayors, Champions of Inclusive Growth initiative*.

**1<sup>st</sup> December** — A tenth solidarity restaurant opens at the *CHU Baudricourt* hospital (13<sup>th</sup> arr.). Like its predecessors, the restaurant caters for the City's most vulnerable residents, signposted by social services and partner associations.

**7 December** — The *Place Network* initiative celebrates its first intake. It accompanies some 50 migrant refugees by supporting their business ventures.

**15 December** — The City organised an afternoon of meetings and round table discussions on obesity abuse for *Combating Discrimination Week*. This was followed by a fashion show for larger people.



## Strengthen social cohesion and solidarity between territories and between generations

A sustainable city is also a fairer and mutually supportive city. To achieve this, the City of Paris is developing support actions for the most vulnerable by diversifying its child and family welfare policies, adapting to an ageing population, supporting the independence of persons with disabilities and combating discrimination. Paris is also taking concerted action to combat fuel poverty. Finally, given current the migrant situation, solidarity-based initiatives are being developed both for, and with, refugees.

**19 January** — An emergency accommodation centre for migrants is inaugurated at Ivry-sur-Seine (94). It offers 400 places for women, couples and families.



## Solidarity

### Solidarity initiatives are being developed for, and with, refugees

Given the significant flows of migrants, accommodating refugees is a core concern for the City of Paris. Proof can be seen in the delivery of 18 actions contained in the Paris Community Plan to Welcome Refugees, which was reviewed in March. The civic involvement is also critical to this issue. There are many Paris-based associations working in this sector which run solidarity-based initiatives both for, and with, refugees.



#### DIGITAL ACCESS FOR ALL

The Paris Employability Plan has introduced a Digital Inclusion Strategy for the City. The aim is to enable everyone to have free and unlimited access to digital tools, whatever their needs. Two areas in the 13<sup>th</sup> arrondissement and Eastern Paris are keenly involved in developing this Strategy, which will be finalised in 2018.

#### A MOBILE CAFE GOES TO MEET PEOPLE IN SOCIAL HOUSING

Together with support from the City Council, *Paris Habitat* Foundation and the Friends of the Marais Youth Group funded work to build a mobile cafe. This 'coffee cart' travels around the *Grange aux Belles* neighbourhood (10<sup>th</sup> arr.) and has become an instant hit with the local community. It was made by several local young people who dropped out of school, and was supervised by the Extramuros joinery workshop association.

paris e-inclusion  
le numérique pour tous

### The City publicises learning French in the capital

Learning French is a priority for Paris and it devotes €7 M each year to efforts. The "Living in Paris" guide has been translated into 7 languages and features the main steps and addresses where people can learn French in the capital. "Where can I learn French?" brochures feature the courses available in each arrondissement.



 **10,000**  
long-term places  
in accommodation centres

 **1,300**  
additional places  
in migrant accommodation centres in Paris

 **6,400**  
people housed in hotels in Paris,  
including 1,493 minors receiving support  
from child welfare

 **3,000**  
winter places in emergency  
accommodation centres

### A study has begun to create a solidarity-based property organisation to increase access to social and solidarity home ownership for all

The aim is to separate the cost of property from sale price of housing to help households own their own homes. This mechanism will also help the City of Paris combat property speculation and stabilise property prices in the capital.



## Youths

### Paris launches an Children and Families Observatory

There are almost 265,000 families and 410,000 children in Paris. So that each one of them leads fulfilling lives, in 2016 a consultation process on an unprecedented scale was held with 2,500 young and old Parisians. The findings revealed that 64% of Parisian families are satisfied with the environment in which their children are growing up, but are worried about work-life balance issues. Following this participatory process, an ambitious Strategy for Children and Families was developed. To implement it, the City launched the *FamLab* in March 2017. It comprises representatives from the State, the Paris CAF (family allowance fund) and those working with children. The process is both a laboratory for ideas and considerations about children and families and a tool to guide and assess the Strategy.



**1,200**

Parisians are part of the *Youth Guarantee* scheme, a support programme for lasting employment, geared to vulnerable 18-25 year olds



**306**

young volunteers have taken up civic service placements with the city's authorities



**30,000**

Youths Discount cards, the « Pass jeunes », have been issued



**52,975**

tokens handed out at the Youths Kiosque

### Paris is proud of its apprentices

With more than 500 apprentices recruited in one year, Paris City Council is one the leading public sector employers to have developed apprenticeship schemes. 15 'mirror-image' portraits were exhibited to emphasise the special bonds between apprentices and their supervisors.



#### 4,200 YOUNG PARISIANS BECAME TRAINED FIRST-AIDERS

Following the awful terrorist attacks in 2015, the City Council launched a Good Citizen and Solidarity Action Plan, entitled, "*Paris saves*". The Plan provides first-aid training to all those who want it. In 2017, the City focused on its youngest citizens with the "*All youths are kind-hearted*" lifesaver initiative.

## Seniors

### The Seniors Scheme is elaborated in a participatory way

People aged 65 and over account for almost 20% of the capital's population and this figure is rising. As such, the City must be adapted to the ageing process. A Seniors Plan for the period 2017-2021 has been developed following a large consultation exercise. The Plan was produced with additional input from Silver Think Tank, a laboratory of ideas involving specialists and professionals working on subjects linked to "ageing well in Paris". In total, 15 commitments were taken and priorities defined, such as the importance of communication and information for the elderly, or the need to plan for and accompany their frailties.



## Gender equality and combating discrimination

### Paris takes a stand against violence to women



Established in 2014, the purpose of the Paris Observatory for Violence Against Women is to coordinate actions to protect and support victims while more generally raising awareness among the population and by sustaining these processes to reduce violence. In 2017, an awareness raising day focused on sexism and sexual violence in sport. In recognition of its commitment, Paris also received the "Orange Day Champions 2017" prize, presented by the French National Committee for UN Women, for its action against violence to women.

### Paris applies for AFNOR (French standardisation association) diversity and equality in the workplace labels

This application, begun in 2017, seeks to promote equality in the workplace, combat discrimination and improve the quality of life at work, in the City Council services and, more generally, in the capital.



## Disability

### Paris launches a new Disability, Inclusion and Universal Access Strategy

In late March, Paris launched a new Disability, Inclusion and Universal Access Strategy for the period 2017-2021. It was produced in consultation with local stakeholders and pursues the dual goal of making the city accessible to all forms of disability, without constraints linked to mobility or information and also reaching the target of "no Parisian without a support solution". To achieve this, the Strategy seeks to make 900 additional public facilities accessible.



€13.4 M

invested from 2015 to 2017 to improve accessibility to public facilities (with a target of 100% by 2024)



100%

of new social housing to be accessible to persons with disabilities

### Accessibility is key to the "Redesign our squares" programme

Paths will be installed for those suffering from motor disabilities (smooth surfaces), blind persons (tactile guides for sticks), the visually-impaired (contrasting luminosity) and those with physical disabilities (direct and intuitive paths) at the following squares: Bastille (4<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> arr.), des Fêtes (19<sup>th</sup> arr.), Gambetta (20<sup>th</sup> arr.), Italy (13<sup>th</sup> arr.), Madeleine (8<sup>th</sup> arr.), Nation (11<sup>th</sup> and 12<sup>th</sup> arr.) and Panthéon (5<sup>th</sup> arr.).



THE BERNARD LAFAY PROMENADE (17<sup>th</sup> ARR.) IS NOW ACCESSIBLE TO CHILDREN WITH DISABILITIES

Almost 900 m<sup>2</sup> of the promenade has been upgraded and is now accessible to children with disabilities. This space has two adjoining playgrounds with inclusive play equipment for children aged 2 to 12 and 1 to 5, next to an educational garden with disability access.



## Reclaiming unfit housing and combating fuel poverty

### Paris is taking a strong stand in reducing fuel poverty and reclaiming unfit housing

In 2017, the following actions were delivered:

→ 145 interventions to reduce remediable insalubrity

→ 183 urgent public health interventions

125 buildings were also supported as part of the OAHD initiative to improve run-down housing.



Before



After



Paris  
international

→ The Mayor of Paris has been chosen by the OECD (Organisation for Economic Co-operation and Development) to preside over the *Mayors, Champions of Inclusive Growth initiative* for a fairer distribution of the world's resources and the exchange of good practice for inclusion policies.

→ More than €6.5 M has been paid out from 2001 and 2017 for emergency aid to non governmental organisations working in crisis zones.

→ With two *SOLIDAE* and *SO-LIDEV* calls for projects, the City of Paris supports joint-development actions and is joining forces with immigrant communities working in Southern countries.

→ As part of the friendship and cooperation agreement signed between the cities of Paris and *La Wilaya d'Alger*, a large exhibition entitled, "Ikbal / Arrivals, for a new Algerian photography", was organised at the International City of Arts (4<sup>th</sup> arr.).

## Exemplary administration

→ The City of Paris launches a prevention plan for incapacities at work for its council employees.

→ The 2<sup>nd</sup> edition of the "Paris tells them *merci*" campaign promotes the City's Council employees.



→ A good practice guide for sustainable development is being distributed to staff in early childhood facilities.



**12,578**

grants allocated to low-income families to combat fuel poverty for a sum of €3.06 M



**The City promotes social and occupational inclusion, with 292**

public service contracts containing a clause for social and professional inclusion



**387,700**

working hours have been generated (or 241 FTE)



**In 2017, this amounted to**

**€1,947,748**

purchased from the City from the protected and specially adapted employment sector (employing persons with disabilities) and

**€1,230,781**

from inclusion organisations, helping people get back to work



**The City Council employs**

**3,115**

agents with disabilities, amounting to more than 6 % of its employees



**€22,324,067**

worth of social services have been attributed to Council officers from the City of Paris



A photo from the Ikbal exhibition



**3 February** – The 3<sup>rd</sup> instalment of the waste sorting campaign, called « Le Paris du Tri », gets underway.

**3 May** – The City launches a trial to collect food waste from 75,000 households in the 2<sup>nd</sup> and 12<sup>th</sup> arrondissements.

**5 May** – Paris steps up its support for local shops and trades.

**12 June** – The Paris&Co circular economy incubator is launched.

**16 June** – The 3<sup>rd</sup> edition of the *Salvage Celebretation* highlights Paris' commitment to a circular economy city.

**5 October** – The City of Paris and the Metropolis of Greater Paris jointly organise the *Greater Circular Paris* and the 2017 intake for the "Focus on circular economy" initiative is unveiled there.

**16 October** – Paris organises *Anti-Food Waste Day*.

**8 November** – The City of Paris commits to recycling building waste as part of the DEMOCLES Partnership Agreement.

**21 November** – The Local Programme for Prevention of Household and Assimilated Waste is passed.

**24 November** – The City of Paris secures the ECOCERT label, which certifies the sustainable and ecological food served in Parisian creches.

**29 November** – The 8 successful applicants for the *Paris-Countryside Solidarity* call for projects are confirmed.

**2 December** – The Canaux centre (19<sup>th</sup> arr.) organises its first solidarity-based and responsible Christmas market.

**8 December** – The *Paris Fabrik* call for projects is launched to encourage the development of innovative training initiatives for manufacturing trades, re-use and the green economy.

## Promote responsible production modes and consumption, and develop the circular economy

Paris is strongly committed to the circular economy, an economy that upholds values, social innovation, the ecological transition and job creation. The City adopts a [Circular Economy Plan](#) in 2017 to step up its zero-waste policy. It is tackling waste, supporting circular economy stakeholders and trials are being carried out in municipal projects (re-use and recycling). Paris is also pursuing actions to improve food quality in catering facilities by continuing to implement its Sustainable Food Plan.

**3 July** – Paris becomes the first French city to have a [Circular Economy Plan](#).





## Circular economy

### The 2017-2020 Circular Economy Plan is unveiled with 15 concrete actions

To deliver the Plan, the City drew up an operational roadmap, with the implementation of 15 concrete actions, from the zero-waste trajectory to combating food waste, not forgetting growth of re-use initiatives. It mobilises all refuse collection staff for an environmentally-friendly city.



The participatory bicycle workshop, La Cyclette (11<sup>th</sup> arr.)

### The "Focus on circular economy", call for projects announces 4 successful applicants

This initiative supports voluntary sector organisations running innovative projects to re-use and repair materials. The successful projects shared a grant of €45,000 to develop:

- a pooled service to supply cardboard and plywood shreds collected by bike in Paris
- a trial for reusable barrels called "Collabfûts"
- collecting materials and waste from events to be re-used and repaired for new eco-friendly events
- a dedicated place for the circular economy and responsible consumption, the House of zero waste (18<sup>th</sup> arr.).

#### PARIS AND THE RATP WANT TO TURN THE BUSINESS DISTRICT IN THE 4<sup>th</sup> ARRONDISSEMENT INTO A CIRCULAR NEIGHBOURHOOD

The *Deux Rives* (Two Banks) area of Paris, between Lyon (12<sup>th</sup> arr.) and Austerlitz (13<sup>th</sup>) railway stations, is a pilot project for a business district centered on the circular economy. It was launched by the City of Paris and the RATP (the city's public transport company) to foster good practice in sharing waste collection facilities and resources.



#### SEVERAL HOUSING ASSOCIATIONS HAVE BEGUN TRIALS TO RE-USE AND RECYCLE WASTE

Among them, *Paris Habitat* is testing re-use schemes while renovating the *Reuilly* barracks (12<sup>th</sup> arr.). *Elogie Siemp* has started a scheme to re-use wood cladding and timber frames and is also recycling glass fibre from the facade of 46/54 *Rue des Panoyaux* (20<sup>th</sup> arr.) during renovation work. Finally, RIVP (the City of Paris Property Management Company) recycled 112 glass doors when it refurbished No. 59 *Rue Olivier Métra* (20<sup>th</sup> arr.).

### The 1<sup>st</sup> edition of the *Made in Paris* label rewards Parisian creators

234 craftspersons, entrepreneurs and creators making products in Paris have been selected for the 2017 round of the *Made in Paris* label. The City of Paris has created a label to promote products made in Paris and demonstrate the excellence and diversity of Parisian craftsmanship. Following the selection, Parisians voted on *paris.fr* for their favourites.



### The Parisian Awards Ceremony for the Social and Solidarity Economy honours 11 prize-winners

In December, the 2017 Parisian Social and Solidarity Economy prize-winners were unveiled for Social and Solidarity Economy Month. These 11 associations share a budget of €150,000 and receive support from the City Council in their efforts. They include, the *Potager de Ménil* association, a social and solidarity economy boutique run by workers on employability schemes, *Les Alchimistes*, who are working on an innovative solution to manage organic waste in urban areas, while *Un regard pour toi* offers visually-impaired persons one-to-one support.

## Zero waste Strategy

### LA RÈGLE DES « 3R »

#### 1. RÉDUIRE

#### 2. RÉEMPLOYER RÉUTILISER

#### 3. RECYCLER

#### PARIS STEPS UP ITS POLICY ON ZERO WASTE

The City wants to end waste going to landfill and incineration that could be otherwise re-used. In November, Paris adopted its 3<sup>rd</sup> Local Programme for Prevention of Household and Assimilated Waste to cut waste generation and re-use it. The purpose of this mandatory document is to cut household and similar waste by 10% from 2010 to 2020.

#### THREE NEW RECYCLING PLANTS OPEN IN PARIS

Recycling plants are playing a part in developing re-use and raising the awareness of Parisians in preventing food waste by collecting donated items (fabric articles and furniture, etc.) and repairing them to resell at an affordable price and offering them a second life. In 2017, five new recycling plants opened in Paris, including *la Recyclerie Sportive* (14<sup>th</sup> then 17<sup>th</sup> arr.), *la Ressourcerie des Batignolles* (17<sup>th</sup> arr.), *la Ressource de Belleville* (20<sup>th</sup> arr.), *la Textilerie* (10<sup>th</sup> arr.) and *la Ressourcerie du Spectacle* (which collects waste throughout Paris). This makes 14 recycling plants supported by the City (by late 2017).



### Paris promotes composting schemes

Since 2010, as part of its 1<sup>st</sup> Waste Prevention Plan, Paris has been offering free advice to residents, associations and willing public institutions on how to run collective composting schemes. In January 2017, the City launched its Compost Plan to diversify and extend the initiative. The Plan comprises 30 actions split into 4 priorities: composting at the foot of buildings, neighbourhood composting, individual wormeries and optimising shredded material suppliers and use of resulting compost. For *the European Week for Waste Reduction*, in November, the City launched its first campaign to distribute 500 individual wormeries.



### The City unveils a series of measures for a cleaner Paris

Paris adopted a Plan for greater cleanliness in early 2016 and has presented a series of supplementary measures to make Paris even cleaner. It has three priorities: (1) to closely involve Parisians in defining cleanliness targets, (2) to boost resources and further modernise the organisation of municipal services, (3) and to get all stakeholders in the Paris area able to do something, involved in the process. Seven community meetings were subsequently organised to gather ideas and opinions from Parisians. The Parisian Council of Youth has been asked to consider how to get young people involved in keeping Paris clean and waste sorting initiatives. What this actually means is that Parisians can, for example, become Cleanliness Ambassadors in their local neighbourhoods and report any difficulties they encounter using the *DansMaRue (InMyStreet)* app. The city is going to recruit 100 waste collection staff and additional drivers after creating a 'hit squad' to tackle incivility (created in September 2016). In addition to getting citizens and municipal services involved, the City is gathering together public and private sector stakeholders to ensure cleanliness continues in Paris.



**554**

community composting sites in operation (for households and public buildings) by late 2017



**18**

neighbourhood composters in operation by late 2017



**85,009**

Christmas trees collected, producing 1,700 m<sup>3</sup> of shredded green waste



**More than 10,000**

tonnes of additional household packaging waste was sorted in 2017 compared to 2014



**83%**

of skip wagons to collect household waste are NGV or bioNGV-fuelled



## Combating waste

### Paris allocated €1.5 M to combating food waste

In late 2015, the City signed up to tackling food waste, with a dedicated Plan. In total, a budget of €1.5 M has been set aside to fund projects that combat waste. As such, the City launched a call for projects in January 2017 to find innovative ways to tackle waste and concrete solutions for left-over food in catering and distribution. 22 projects were selected from 46 applications. They mainly include processing activities to recycle or re-use unsold products. Applications from organisations wanting to acquire vehicles and logistical facilities to collect more unsold food products in the City were also awarded grants.



The Le Chainon Manquant association collects and distributes unsold food for the most vulnerable

## Sustainable food

### Paris takes measures for sustainable food and agriculture

The City is a firm supporter of local agriculture and local processing of food from the Paris area, to strengthen links between Paris and the countryside. The goal is also to ensure everyone has access to quality food. The ultimate aim is to develop a sustainable, inclusive and resilient food system. For example, a *Kelbongoo* food hall has been set up in the 10<sup>th</sup> arrondissement, offering local, organic produce from the Paris area.

### Paris is working towards a more sustainable, inclusive and resilient food system

When it signed up to the [Milan Pact](#), in October 2015, along with 139 of the world's capital cities, Paris committed to adopting a Strategy for Sustainable Food. To prepare the Strategy, the City conducted an audit on its food system then consulted extensively from May to July 2017, bringing together for the first time more than 600 professionals from all sectors of the food industry. The "*Mayor, I've Got an Idea*" participatory platform also helped involve the people of Paris and gathered 129 proposals. These initiatives form the heart of the Strategy, which was finally adopted in May 2018.

#### PARIS OFFERS 'MEALS ON WHEELS' DELIVERIES WITH VEGETARIAN AND SEASONAL PRODUCT OPTIONS

The Paris Social Action Centre contributes to home help for the infirm and over 65s, with 'meals on wheels'. Developed with the supplier, *Saveurs et Vies*, the City supported the introduction of a *Menu for the Planet*. This eco-designed menu prioritises local, seasonal produce, as well as plant-based proteins to have less environmental impact (using short supply chains and lower greenhouse gas emissions).



**Paris is the biggest**  
public sector buyer of organic products in France



**42.5%**  
of food products served in municipal and departmental canteens and restaurants is sustainable and 36.5% is organic



**66.9%**  
of food products served in Parisian creches are sustainable



**0**  
deep water fish species are served in Parisian canteens

## Exemplary administration

→ Paris took part in a major campaign to collect and recycle used workwear. More than 80 collection points have been set up.



→ The *Caisse des Ecoles* (district education office) in the 11<sup>th</sup> arrondissement is offering organic lentils purchased from producers farming land on *Eau de Paris* surface catchment areas in Burgundy.

→ The *Caisses des Ecoles* in the 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 14<sup>th</sup> arrondissements have adopted the Partnership Agreement to combat food waste.

→ Five City Council restaurants are limiting the biowaste they generate and collecting left-over food. On average, approximately 100g of biowaste is recycled from each meal.

→ The plans to redevelop the Pantheon Square (5<sup>th</sup> arr.) include reclaiming and reshaping old kerb stones to fit on pedestals and use as public benches.



→ The surface of the Arsenal parvis, all the way to the Bastille Square (4<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> arrondissements), will be made from recycled and re-cut kerb stones set down in parallel lines.

→ The Bédier municipal workshop (13<sup>th</sup> arr.) has opened a new facility to re-use building materials. It stores, repairs and re-uses old building waste for new building projects.

→ As part of an experiment on the urban metabolism, the Vincennes wood (12<sup>th</sup>) is testing the use of fertile substrates on a series of planted plots created using demolition waste, sewage sludge and green waste.



## Paris international

→ In November, Paris became the global capital of the social and solidarity economy by hosting numerous initiatives and events (*Global Social Business Summit*, etc.).

→ At the opening of the 9<sup>th</sup> *Web Summit*, in Lisbon, the European Commission awarded the City of Paris with the prize of the *European Capital of Innovation*, together with a sum of one million euros. Part of this award will go to organise the *Fabcity Summit* in July 2018 and the *TUMO Project* (a school for digital technology creative applications for 12 to 18 year olds)

**39.47%** of all public service contracts contain a clause and/or criteria linked to the circular economy

**Expenditure on** office supplies has dropped by 10.9% from 2015 to 2017

The City has cut the number of reams of paper it uses by **3.5%** from 2015 to 2017



**EUROPEAN  
CAPITAL OF  
INNOVATION 2017**



## Conclusion

This sustainable development report once again shows Paris' desire and commitment to building the city of tomorrow, a sustainable, inclusive, innovative and resilient city.

Given ecological challenges, the City once again voted in favour of a new [Climate, Air and Energy Action Plan](#), which sets ambitious targets, to make Paris a carbon-neutral and 100% recovered energy city by 2050. It is delivering the [Resilience Strategy](#) and (re)launching numerous international calls for projects to reinvent its public spaces, under such *"Adaptation to Climate Change"*, *"Timber-frame Buildings"*, *"Reinvent Paris II"* and *"Reinvent the Seine and the Canals"*, etc.

On the international stage, Paris has sealed its role as a lead city by presiding over the [C40](#) and taking part in a new *One Plant Summit*, on global climate concerns.

The quality of life and health of Parisians is also central to the City Council's concerns. This is why Paris is stepping up its efforts in active and sustainable forms of mobility, by adopting the [Paris Pedestrian Strategy](#), introducing 214 km of [new cycle paths](#) as well as modernising and developing public transport services. Paris is also combating air, light and noise pollution by focusing on finding the most innovative solutions.

Paris is strongly committed to greening the city, developing biodiversity and providing Parisians and visitors with natural spaces. In 2017, 1,257 Green Licences were issued and 7 new community gardens created. The 2<sup>nd</sup> [Parisculteurs](#) call for projects was launched with 43 new sites dedicated to urban agriculture and educational farms have also been introduced, both permanent (farm in Kellermann Park - 13<sup>th</sup> arr.) and mobile. Finally, 8,762 trees have been planted since 2014. In 2017, the City reached [its target of 100 hectares](#) of greened-up buildings, including 15 ha dedicated to [urban agriculture](#). Efforts nevertheless continue to reach the goal of 30 hectares by 2020.

In terms of social cohesion and solidarity, Parisians are very much involved in their "living together" initiative and are being asked by the City to develop municipal policies together. Indeed, 168,000 Parisians exercised their right to vote in the [2017 Participatory Budget](#). Local people also had their say in consultative bodies, with the City's first Junior Advisory Committee, which began this year.

A sustainable city is also a fairer and mutually supportive city. To achieve this vision, Paris is working for the inclusion of all its population, from the youngest to oldest, including the vulnerable, excluded and refugees. In 2017, it focused closely on accessibility, with the launch of a new [Disability, Inclusion and Universal Access Strategy](#).

Finally, Paris became the first city in France to have a [Circular Economy Plan](#). As part of its zero-waste strategy, the City Council adopted a [new Local Programme for Prevention of Household and Assimilated Waste](#). As a result, it is heavily involved in sorting and recycling residual waste, as well as re-using items. It is fighting food waste and supporting sustainable and solidarity-based food projects, while striving to set an example with its municipal services.

# Credits

## Presentation to the Paris Council of November 2018

### Technical coordination:

Directorate of Green Spaces and the  
Environment - Urban Ecology Agency  
Sustainable Development Strategy Division

### Editorial and graphic design:

KIBLIND Agence



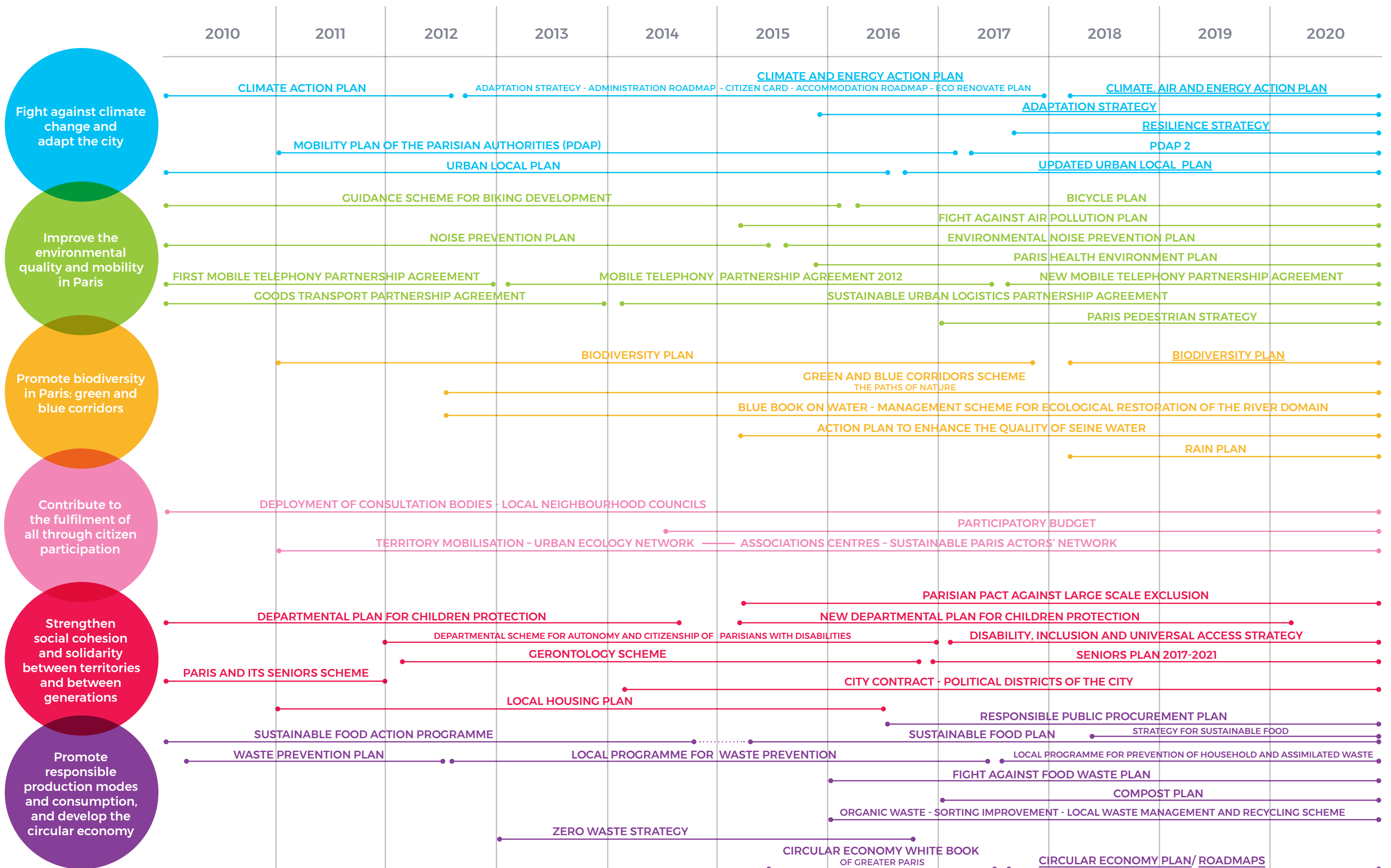
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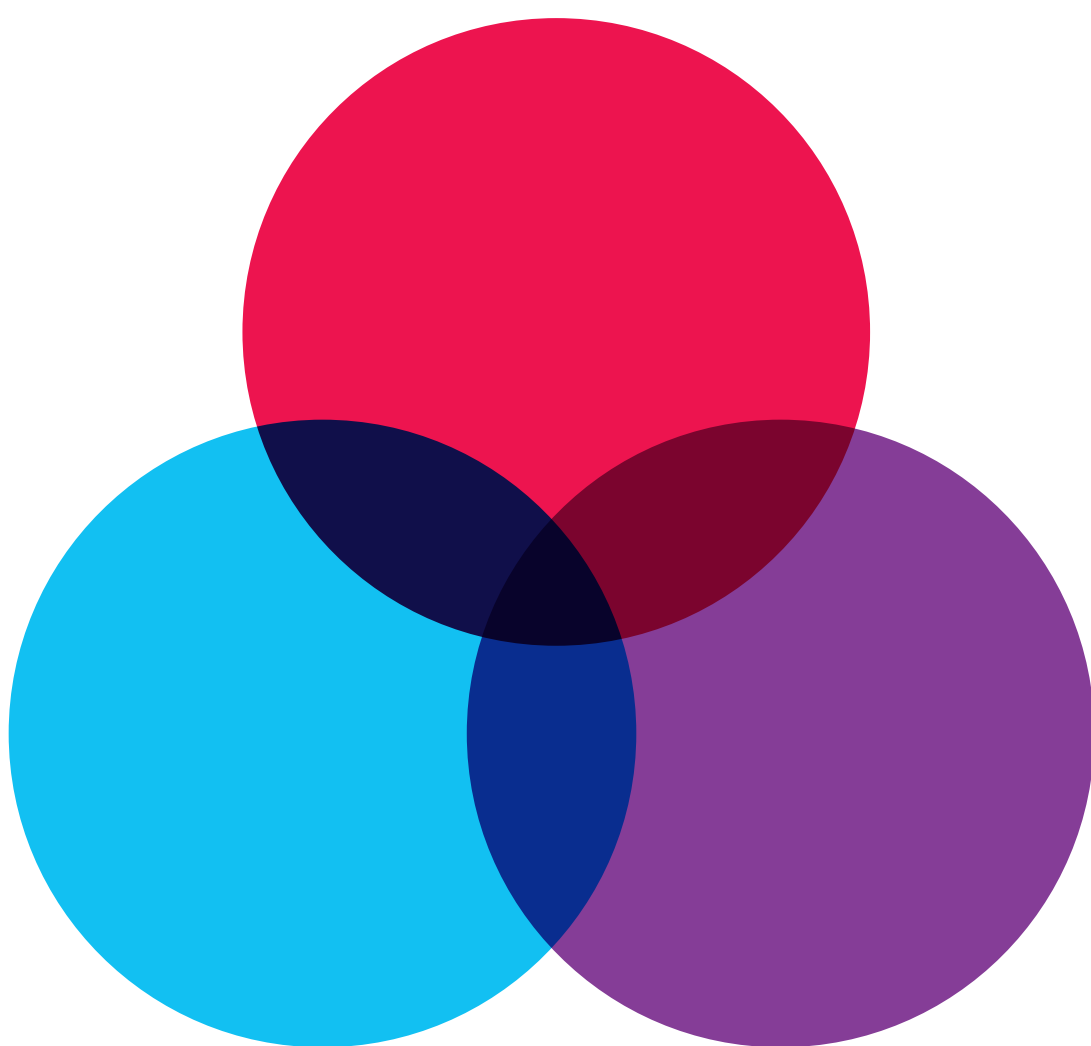
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# Adapt Paris to the challenges of the 21<sup>st</sup> century





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