



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



2018



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Introduction

Large cities are directly concerned in building a more sustainable world and must play a role in this change. The **Sustainable Development Goals** adopted by the United Nations provide a blueprint to achieve a better and more sustainable future for all. They address the global challenges we face.

This is why **Paris** is actively committed through its strategic tools and its everyday actions, applying the 17 Sustainable Development Goals (SDG) to build a **sustainable, inclusive, innovative and resilient city**.



The purpose of this **9th Paris sustainable development report** is to present an overview of activities undertaken in 2018 in the City and within the Council itself. It is presented in the form of topics surrounding sustainable development goals for climate, the quality of the environment, biodiversity, personal fulfilment, social cohesion and solidarity between territories and generations, as well as responsible modes of production and consumption. It thus covers all the sustainable development areas upon which the capital is taking action.

Complementing this report is a **summary** presenting the main initiatives implemented by the City in 2018 to contribute to its Sustainable Development Goals.



28 January – The Seine river reaches a flood level of 5.84 m, close to the June 2016 level. The local crisis unit springs into action and protection measures are deployed.

22 March – The Paris Council definitively and unanimously adopts the new Climate, Air and Energy Action Plan.

24 March – Paris switches off public lighting at emblematic sites such as the Eiffel Tower (7th), Notre-Dame cathedral (4th) and the Bastille Opera (12th), for *Earth Hour*, a worldwide event to fight against climate change.

16 May – 19 debates are held simultaneously throughout Paris on the new Climate Action Plan and the capital's zero-carbon future.

17 May – Paris becomes the 1st City to sign the Charter for energy and environmental efficiency of tertiary public and private buildings, under the Sustainable Building Plan steered by the Ministry for the Ecological and Inclusive Transition.

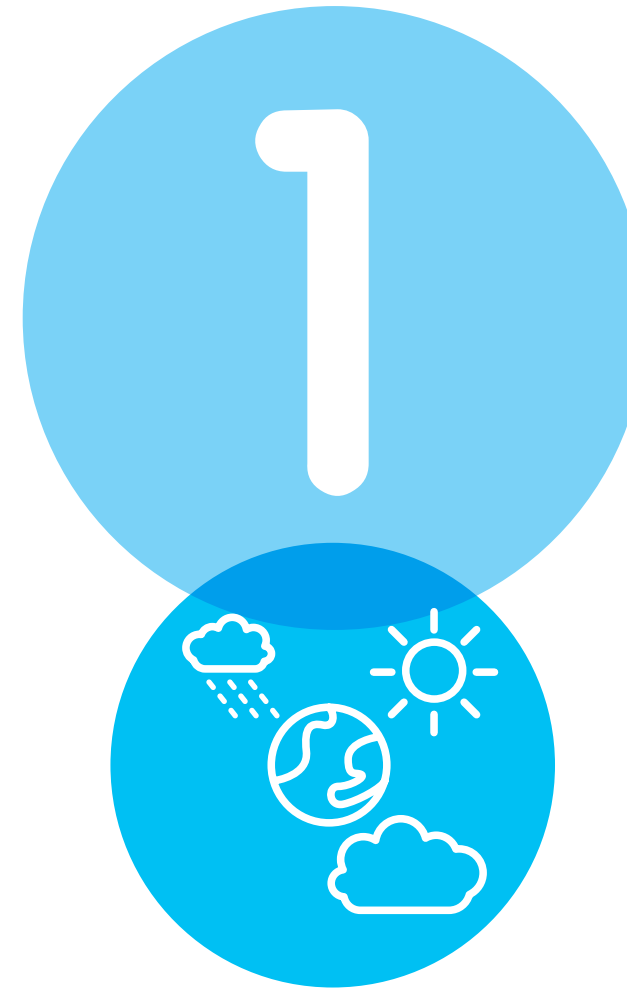
22 September – Over 1,000 *Climate Volunteers* gather at the Paris City Hall (4th) to swing into action all over Paris.

8 October – A campaign to raise awareness on flood dangers gives advice to Parisians on what to do in the event of flooding.

10 October – The Oasis playgrounds project wins the Europeans "Urban innovative actions" call for projects. It receives €5 M in European subventions.



Combating climate change and adapting the city



In 2018, the City adopted a new Climate, Air and Energy Action Plan detailing 500 measures to be implemented in various fields (construction, transport, energy, food, waste, living environment, mobilisation, finance, etc.). This Plan has great ambitions: to turn the capital into a carbon-neutral city, powered entirely by renewable energies by 2050; a city geared to face climate change; a city with the resilience to withstand crises and shocks. In order to do this, and to take action in the present, Paris continuously propagates and supports initiatives promoting ecological transition and green investment, new energies, housing renovation and sustainable building. As the effects of global warming are starting to show in terms of climate change (heat waves, floods, etc.), the City is getting its citizens prepared to protect themselves.

5 June – The Climate, Air and Energy Action Plan is approved by Parisians by means of citizen vote. 73,765 Parisians cast their votes, and 95.95% of them said "yes" to the Plan's goals.



New Paris Climate, Air and Energy Action Plan, how to be carbon neutral by 2050?

Paris sets citizens in action to attain the goals of the Climate, Air and Energy Action Plan

The City of Paris made a commitment to fight global warming by adopting, in March 2018, a new Climate, Air and Energy Action Plan. It sets a clear and ambitious goal: make Paris a carbon neutral city, and entirely converted to renewable energy by 2050.

The Climate Plan sets out an operational action plan with goals for 2030:

- Reduce inner-city greenhouse gas emissions by **50%***
- Cut energy consumption by **35%***
- Reduce the region's carbon footprint by **40%***
- Comply with WHO provisions concerning **air quality**
- Adopt **45%** renewable energy in consumption, of which **10%** is locally-sourced
- Provide a **pleasant living environment, well-adapted to the climate, for all Parisians.**
- Become a **zero**-fossil fuel and **zero**-domestic heating oil region

By 2050, in line with the Paris Climate Agreement, the City aims to:

- Become a region with **zero** greenhouse gas emissions in inner city areas
- Cut energy consumption across the region by **50%**
- Reduce the Paris region's carbon footprint by **80%***
- Bring all local regional stakeholders to offset their residual emissions in order to achieve **carbon neutrality**
- Become a region powered by **100%** renewable energy, with **20%** of this energy produced locally
- Ensure **Paris is climate resilient and deliver a socially fair transition.**

*compared to 2004 levels

To reach the carbon neutrality goal, the City of Paris will prioritise support for housing renovation and efforts to reduce the proportion of high-carbon transport. And to reach the 100% renewable energy goal, the City will draw on the main local renewable energy sources (geothermal and solar) while building regional partnerships to support and participate in funding renewable energy production outside the region.

15,000 PARISIANS COME FORWARD AS CLIMATE VOLUNTEERS

When citizens cast their votes on the Climate Action Plan, 15,000 Parisians chose to become *Climate Volunteers* and thus take part in the actual implementation of this Plan in the months and years to come. 80% of greenhouse gases concern everyone in this region.



The citizen vote held from 25 May to 3 June approved the Climate Action Plan with 95.95% in favour

Paris Climate Plan: 15 years of actions from 2004 to 2018, over 200 actions carried out that involved

- 46,000** social housing units renovated
- 42.5%** sustainable food in contract catering
- 42%** greenhouse gases from public transport and inner-city road traffic
- 8%** energy consumption
- 61** signatories to the Paris Climate Action Charter
- 60 kg/inhab** in waste
- 17%** renewable energies in energy consumption

Adapting to climate change

Faced with the predicted consequences of climate change, Paris is getting ready to confront increasingly frequent episodes of extreme weather.

THE OASIS SCHOOL PLAYGROUNDS FORM COOL AREAS THROUGHOUT THE CITY

The aim of the Oasis programme is to gradually transform all the school and college playgrounds in Paris, a total of 70 ha, into cool areas in the city, developing more vegetation, using more natural, light-coloured materials, less asphalt and making the grounds more permeable. These renovated playgrounds will be open out of school hours so as to provide refuge for people during heat waves.

PARIS DEALS WITH HEATWAVES

In August, during episodes of high heat, the City of Paris initiated level 3 of its Heatwave Plan: cooled rooms accessible in some public facilities; free distribution of over 12,000 drinking bottles; opening of five parks at night-time to give Parisians access to cool places, in addition to the 13 sites already open at night-time during the summer. Paris also carried out targeted information and support actions for the most vulnerable members of society.

- 3** first Oasis school playgrounds
- 700** school and college playgrounds to build in due course



"By 2020, no Parisian will be further than a 7-minute walk from a cool area"



The water mirror in the Nelson Mandela garden (1st) is one of the cool areas on the *paris.fr* interactive map

THE DIGITAL APP EXTREMA LISTS THE COOL AREAS

A mobile app that can be consulted online and downloaded is available to the public, complementing the map of the cool areas and pathways. Launched in July, the Extrema app allows users to pinpoint around 850 cool areas, mainly via geo-localisation. The app gives real-time information on the cool pathways within proximity, and on the temperature in different areas of Paris. Users can also create profiles for their family and friends in order to receive direct information on the temperature to which they are exposed.

Paris learns from the 11 experiments carried out in the capital

To implement the actions and attain the goals of the Paris Adaptation Strategy, the City decided to fire up the region's capacity for innovation, experimentation and active involvement. This is what gave rise to the experimental programme, *Adapting to Climate Change*. 11 projects received personalised assistance from Urban Lab, backed by the City of Paris, for 15 months. The overall evaluation of the programme brought out action proposals to gradually make the process of adaptation automatic, for communities, businesses and citizens alike.

- 1** open-water bathing area
- 92%** of Parisians less than 7-minute walk from a cool area
- 13** green spaces open 24/7 in the summer, adding to the 129 green spaces open all year round
- 20** water-sprayers including 17 in parks and gardens
- 5** extra green spaces open at night during heat waves (activated plan)
- 40** additional drinking fountains (1,200 drinking-water points in total across the Paris region)
- 850** cool areas

Ecological transition & green investment



Paris Green Fund, an innovative funding scheme, raises its first funds

To achieve its carbon-neutral goal, the City of Paris has chosen to have a territorial investment fund for the ecological transition, called Paris Green Fund, with an investment target of €200 M. Paris Green Fund has a 10-year lifespan and its vocation is to raise funds, mainly from private sources, to develop innovative solutions in the areas of ecological transition (building, mobility, energy, air quality, circular economy, etc.). In July, Paris Green Fund raised its first funds amounting to €100 M, showing investors' interest in the economic and societal issues of the ecological transition.



€100 M
initial funds raised
for Paris Green Fund

PARIS LAUNCHES A FEASIBILITY STUDY FOR A LOCAL CARBON OFFSET OPERATOR

In late 2018, with a view to achieving carbon neutrality, the City launched a feasibility study to set up a local carbon offset platform. The initiative is supported by the ADEME (i.e. French Environment & Energy Management Agency) and the Metropolis of Greater Paris. By selling "carbon credits", this scheme should provide funding for projects to reduce greenhouse gases or trap carbon, thus counteracting inevitable background emissions across Greater Paris.

PARIS WINS THE ANNUAL SUSTAINABILITY BONDS AWARD

In March, Paris was received the annual "sustainability bonds" award, granted by *Environmental Finance*, for the accomplishment of green and social obligations set out in 2017. This €320 M loan is used to finance projects that contribute to achieving the Climate Action Plan targets.

Energy

A "SMART LIGHTING" STREET IS TESTED

Since late February, *Rue Antoine Bourdelle* (15th) has had "smart" lighting: a first in Paris. This LED system is triggered by motion sensors that detect movements of pedestrians, cyclists or cars, thus reacting to the real-time needs of users while reducing energy consumption and light disturbance.



Solar panels in the *Clichy Batignolles* eco-district (17th arrondissement)

NEW SUBSIDIES TO SUPPORT RENEWABLE ENERGY

The City is offering new subsidies to promote renewable energy in housing renovation work. These subsidies can finance up to 25% of the costs involved in installing renewable energy equipment such as heat pumps and solar panels. This year, subsidies were awarded to 6 different renovation projects.

PARIS IS AWARDED FOR LOW-POWER PUBLIC LIGHTING

During the European convention on energy transition, Paris was awarded 1st Prize of Energy Efficiency Certificates for its refurbishment of public lighting.

The public lighting modernisation programme continues



39,238 lamp posts
replaced since 2011
including **26,846** with LEDs



103.13 GWh
consumed in 2018,
a drop of **-32%** compared to 2004



43 GWh
saved since 2011 for a contractual target of 42 GWh

Urban planning and sustainable, innovative buildings

Reinvent Paris II: 85 finalists selected to upgrade the "underbelly of Paris"

The 2nd edition of the call for innovative urban projects, *Reinvent Paris*, concentrates mainly on the Parisian underground areas, a little-known land resource that the scheme aims to exploit with a view to making the city more environmentally friendly, more proficient and more resilient. 85 finalists were selected out of 217 projects submitted. Among them: a French arts and crafts centre set up in the terminal of *Esplanade des Invalides* (7th), the first outdoor rock-climbing wall under the viaduct of metro line 6 (13th), a computer coding school, a family venue and greenhouses to learn urban agriculture at the *Auteuil* train station (16th).



LAND USE PLAN: AN IMPLEMENTATION GUIDE TO FOSTER ENVIRONMENTALLY-FRIENDLY DEVELOPMENT PRACTICES

The City of Paris services have compiled a practical guide to further good environmental practices, particularly in the field of construction, and help project developers understand how to implement the environmental provisions of the Plan.

SAINT-VINCENT-DE-PAUL (14th): A ZERO-CARBON AND ZERO-WASTE NEIGHBOURHOOD

Environmental strategies were implemented in 2018:

- Heating and domestic hot water are to be provided via heat recovery from the City's grey water mains, in addition to the district heating network (named CPCU),
- the mobility centre, roads with controlled traffic and support for new mobility practices herald a "zero-car district".

Parisian businesses swing into action

14 new economic players sign the Paris Climate Action Charter

14 new Parisian organisations, businesses and institutions confirmed their commitment to the ecological transition by signing the Paris Climate Action Charter in October. This Charter was revised in 2018 to incorporate the commitments of the new Climate Action Plan. The 47 signatories of the first editions also received recognition. The RATP accordingly reiterated its commitment to halve 2015 levels of greenhouse gas emissions by 2025, while the *Pavillon Royal* (16th) highlighted its car-sharing system and electric shuttles to cut transport-related emissions. The event thus presented a chance for the communities to present their actions on Paris Climate Action in such sectors as healthcare, real estate and sustainable development.



14 new signatories joined the Paris Climate Action Charter at its 5th ceremony on 16 October

CONSTRUCTION INDUSTRY PLAYERS COMMIT TO LOW-CARBON

Under the terms of their signature, 8 Parisian operators, social housing providers, developers, estate agents, logistics operators and stakeholders in the fight against substandard housing, joined this movement and took on additional commitments in line with the Climate Action Plan towards low-carbon development, construction and renovation.



61
signatories
and



4
Paris Climate Action
communities
(in October 2018)

Towards energy-efficient housing accessible to all

Éco-rénovons Paris initiative provides over 1,000 buildings with assistance in thermal rehabilitation

Over 90% of the 47,000 Parisian co-ownerships were built before the first thermal regulations came into play and have energy inefficient attributes. To encourage the energy renovation of private housing buildings, the City of Paris set up the *Éco-rénovons Paris* scheme (i.e. *Let's eco-reno-vate Paris*) in 2016. The aim of this personalised and free assistance programme is to assist 1,000 buildings to accomplish thermal rehabilitation by 2020. By the close of 2018, 1,096 (32,859 housing units) had received assistance. The scheme now focuses on the operational implementation of works programmes.



15-17 rue Henri Ribière (17th)



Thermal rehabilitation of 750 housing units at Cité Glacière (13th)

Energy renovation of private housing units (programme launched in 2008 under the 1st Climate Action Plan)



3,500
Parisians have benefited from free advice from the Paris Climate Agency to cut their energy consumption



2,029
Parisian co-ownerships registered on *Coachcopro.paris*, that is to say 96,710 housing units assisted by the Parisian Climate Agency

Families for Positive Energy challenge: 8 years of challenges (2011 - 2018)



1,019
participating families



438,000 kWh
averted



15%
of energy savings on average



77 tonnes
of CO₂ averted

Energy renovation of social housing



4,690
social housing units whose thermal rehabilitation was financed in 2018 (to the sum of €52.6 M)

Total figures since 2009:

Results after works:



57%
energy gain on average



45,878
housing units for which sustainable renovation was financed



54%
drop in greenhouse gas emissions



average energy gain of 54% or €320 saved per year per housing unit

New sustainable social housing



1,470
future social housing units, or 50 operations, awarded subsidies as part of an environmental certification and classification scheme



80%
of them were certified NF Habitat HQE (i.e. high environmental quality) and **20%** certified BEE+ (i.e. Building Energy Environment)

New environmental certifications have been promoted under the scheme of subsidies awarded to the creation of new social housing units:

6

operations certified E+C (positive energy and low carbon building)

5

operations certified "Bio-based building" to promote the use of such materials as wood

1

operation certified BBCE (low-carbon buildings)

Exemplary administration

→ The city has equipped itself with a data center in the *Chapelle International* (18th) logistics hotel. It uses the heat generated to heat homes and offices.



→ In February, a team of energy ambassadors was created to involve council workers in energy saving measures in public facilities.



→ An Energy Saving Contract has been allocated by the City of Paris related to 6 swimming pools to reduce energy use by 30% and water use by 10%. Work will take place between 2019 and 2022.

→ A "solar power plant" project in the *Parc floral*, in Vincennes woods (12th) plans for the installation of 7,500 m² of photovoltaic roofs, representing CO₂ savings of 112 tonnes per year.

→ Paris museums are reducing their energy use: "relamping" campaign to install more energy-efficient light sources, insulation of the vertical walls in the temporary exhibition area in the Cernuschi museum (8th), installation of a low-thermal transmission covering on the skylights of the Modern Art Museum (16th), etc.

Energy consumption in public buildings in 2018



577.1 GWh
(recorded mid-2018)

Solar power production on public buildings



65.3 MWh
(recorded mid-2018)

Proportion of renewable energy in public facilities



100%
of green electricity (via Guarantee of origin certificates)



9
arrondissement town halls fuelled by biogas



Paris international

→ 14 cities in the world, including Paris, came together for the international call for projects *Reinventing cities* to encourage low-carbon and resilient urban regeneration worldwide. Launched by the C40 in partnership with the City of Paris, this call for urban projects aims to implement innovative solutions to transform 31 sites in sustainable development hot spots. On 18 January, Madrid, Milan, Oslo and Reykjavik presented their sites at *Pavillon de l'Arsenal* (4th).

→ The new Paris Climate Action Plan was referenced in the C40 publication "Cities leading the way - seven climate action plans to deliver on the Paris Agreement".

→ Paris is one of the pioneering cities that has adopted a Climate Action Plan aiming for carbon neutrality by 2050: it received the maximum score, "A", issued by the Carbon disclosure project and thus joins the "leadership" category.

→ Paris shares its expertise with different cities in the world and, in particular, collaborates with Medellín regarding sustainable mobility issues, Mexico for urban creativity and civic innovation and Bethlehem to improve drinking water and sanitation services and to redevelop Manger Square to reduce car use.



Reconquering the public space in Bethlehem



- 27 April** – The Parisian mobility council is created to unify all the stakeholders, private or public, involved in clean transport in Paris.
- 17 July** – Launch of the 2nd bathing season at La Villette bathing area (19th) for the *Paris Plages* summer event (105,000 people enjoyed a dip over the course of the summer). The Regional health agency certifies the water quality as excellent.
- 12 September** – Launch of an assessment and fact-finding mission about the future of the ring road. This brings together the representatives of all the political groups in the Paris Council.
- 16 September** – The 4th edition of the *Car-free Day* is held throughout the entire Parisian region. This event is part of the *European mobility week* and now takes place during the *Heritage Days*.
- 25 September** – The *Rives de Seine* park (10 ha of pedestrianised river banks) receives the Greater Paris Award in the "Energy and environment" category. This award recognises the positive impact of the project on the entire Metropolis.
- 28 September** – Held at the Ground Control centre (12th), the *Detox & you days* get Parisians involved in cutting down on pollutants on a daily basis. On this occasion, the City signed the Charter for "towns and regions free of endocrine disruptors".
- 13 October** – For the 10th edition of the *Day of Night* raising awareness about light pollution, Paris switched off public lighting at emblematic sites across the capital such as the City Hall (4th) and the *Arc de Triomphe* (8th, 16th and 17th).
- 24 November** – Launch of the extension of the T3 tramway between *Porte de la Chapelle* (18th) and *Porte d'Asnières* (17th), enhancing the range of sustainable means of transport. 90,000 travellers use it every day.
- 19 December** – As part of the launch of a scheme called "*Let's breathe better in the 20th*", citizens got together to walk through the city, and carried out a safety audit, armed with micro-sensors to measure the air quality.

Improving the environmental quality of Paris

With 2.1 million inhabitants, 1.8 million jobs and nearly 40 million tourists in 2018, Paris has a high density of use, which has an impact on air quality, transport and noise.

To provide its residents with a quality environment, the City limits its pollutant emissions from vehicle traffic and is developing its public transport network; it supports the development of soft and shared forms of transport, like the large squares that it is transforming with citizens. It is also highly committed to a new rainwater management system via its new Paris Rain Plan. It is also minimising the exposure of Parisians to electromagnetic waves and implementing numerous actions for health.

22 March – The City unanimously voted the Paris Rain Plan to recycle rainwater close to where it falls.



Permeable planted grounds at the feet of buildings help rainwater seep down between the courtyard paving stones (4th)

New forms of mobility

The City's move towards soft and non-polluting forms of mobility has contributed to a significant drop in inner-city car traffic, with a static meter network measurement showing a 6% drop in 2018 compared to 2017. Traffic has fallen by 15.8% since 2013.

Paris is shifting into gear for sustainable and soft mobility

→ The tramway is growing: the section between *Porte de la Chapelle* (18th) and *Porte d'Asnières* (17th) is now operative along 4.3 km. Its platform features 27,000 m² of eco-efficient and eco-responsible lawn, requiring little water, infrequent mowing and zero-pesticide maintenance.


→ Free-floating mobility services are on the increase, with their self-service, station-free system, featuring clean modes of transport such as traditional bicycles, e-bikes and e-scooters. Paris implements 7 measures to structure these innovative mobility services and improve the coexistence of users in public spaces.

→ 3D pedestrian crossings are being tested out in the 7th and 14th arrondissements to slow cars down and make the roads safer for pedestrians.




 **16,000** Velib' Métropole (i.e. self-service bicycles) in circulation for **54,000** daily runs


 **77 km** of additional cycle paths in 2018 (+9%)

 **2,700** registrations of new "clean" cars (electric vehicles + electric utility vehicles + hybrid rechargeable vehicles), of which 1/3 are hybrid rechargeable vehicles and 2/3 are electric vehicles

 **736 km** of quieter streets (30 kph zones, 30 kph streets, meeting zones, pedestrian areas), representing 43% of Parisian roadways at the end of 2018

 **2/3** of the Parisian region set to 30 kph

 **€2 M** paid to individuals to encourage mobility: helping to buy e-bikes, cargo bikes and three-wheelers (delivery tricycles), etc.

 **25** Paris Breathes zones including Paris city centre and the *Champs-Élysées* (8th) pedestrianised the first Sunday of each month

7 large Parisian squares get a face-lift

These large Parisian squares have been re-designed to give more space to pedestrians and soft transport, and provide a more balanced approach to the use of public spaces. Following 2 years of consultations not just with inhabitants but also with visually impaired people, work started in summer 2018. On *Place de la Bastille* (4th, 11th, and 12th), a "peninsula" of more than 11,000 m² is forming, restricted to pedestrians and soft mobility, and accessible to people with disabilities.

PARIS ENHANCES THE USE OF ELECTRIC VEHICLES AND CAR-SHARING

After stopping the Autolib' service, the City deployed a range of alternative solutions with new operators and set up parking places restricted to people driving electric vehicles or car-sharing. By the end of 2018, more than 1,000 charging stations were operative.

THE RIVES DE SEINE PARK HAS ATTRACTED OVER 3 MILLION VISITORS SINCE BECOMING PEDESTRIANISED

At the *Rives de Seine* Park a city highway has been replaced with a pathway for soft transport. The park now features a leisure and recreation area promoting heritage that has attracted over 3 million visitors since it was inaugurated in 2017.



Berges de Seine, right bank (February 2018)

Air quality and environmental noise

Air quality is improving in Paris

The evaluation conducted by Airparif for 2018 confirms the continuous improvement of air quality for several years in Paris and *Île-de-France*. The number of Parisians who have suffered at home from an excess level of the limit value of nitrogen dioxide fell from 1,100,000 to 700,000 between 2017 and 2018. Half as many people as before were exposed to PM10 particulates (reduced from 100,000 to 50,000 people in one year). Concentrations in PM2.5, which have a particularly negative impact on health, have also decreased, but they remain higher than the recommendations of the World Health Organization over the entire Parisian agglomeration.

THE CITY PREPARES TO EXPAND THE LOW EMISSION ZONE

In January 2017, Paris became the first Low Emission Zone in France, due to the prohibition of traffic, from Monday to Friday between the hours of 8am and 8pm, for vehicles in the *Crit'air* 5 category. The *Crit'air* sticker, now mandatory, classes vehicles into 6 categories according to the level of pollution they cause. The City intends to continue this movement against air pollution by progressively extending this prohibition to other *Crit'air* categories, while expanding prohibition zones on the metropolis scale.

The Air quality call for experiments awards 10 winners

10 pilot projects to measure, decontaminate and contribute to changing behaviours were selected, among a total of 46 candidates, by a jury composed of representatives from the City, Urban Lab (of Paris&Co), and Airparif, together with experts on air quality. The start-up collective Clarity & Citeos, for instance, designed an air surveillance system, based on micro-sensors installed on public lighting masts, coupled with a digital interface.




The City is developing new systems to measure air quality

To put the last touches on the Airparif air quality monitoring system, Paris is testing out innovative sensors and micro-sensors. The *Let's breathe better in the 20th* initiative, funded by the *Participatory Budget*, has led to the installation of 10 stationary sensors in the arrondissement and the provision of individual sensors to volunteers among the citizens. Thanks to the Pollutrack operation, sensors are installed on the electric vehicle fleet of the partner company to identify "hot spots", in other words unregistered localised emissions that happen at certain points in time: construction works, crossroads with traffic jams, etc. The end goal is to be able to view the results in real time on "ground level" pollution maps.



The City experiments with noise-reducing and anti-heat road coating

As part of the European project *Life Cool and Low Noise Asphalt*, Paris is experimenting with new coatings and asphalt pavements in 3 Parisian sites: *Rue Frémicourt* (15th), *Rue Lecourbe* (15th) and *Rue de Courcelles* (8th). At each site, the acoustic and thermal performance of the new coating is compared to the current reference coating of the City of Paris; the aim is to reduce the noise for residents by 2 decibels and to improve thermal comfort by 2°C. If such results are attained, Paris may put these new systems into widespread use for future developments.

 **44%** of the *Boulevard Périphérique* (i.e. ring road) is covered with low-noise surfacing, with a target of 50% by the end of 2019. All zones flanked by housing will be covered with this type of surfacing, so as to reduce noise disturbance for residents.

Health

THE CITY MEASURES ELECTROMAGNETIC WAVES

In 2018, in compliance with the Mobile Telephone Charter, 266 measures were implemented in the City's institutions: nursery schools, schools, healthcare centres, etc.

Meanwhile, 5 incidents of excess were detected at closed living quarters. All were resolved after the mobile phone operator adjusted the relay antenna concerned.



5 V/m

The maximum threshold for exposure of Parisians to mobile telephone network electromagnetic waves imposed by the Mobile Telephone Charter

A NEW ANNUAL MEETING ON THE HEALTH OF PARISIANS

Following the success of the Parisian Conference on Health, the City launched a new annual meeting to bring health professionals and Parisians together: the *Parisian Health Weeks*. 40 events were organised in 2018 for this 1st edition, on a variety of topics: vaccination, air pollution, fitness trails, management of serious illnesses such as cancer.



Wave Paris, a forum on electromagnetic waves

Aware of the importance of actions to inform the public and monitor exposure levels to electromagnetic waves, the City of Paris created in March the Wave Paris steering committee. This independent body to control and monitor electromagnetic waves brings together experts, Parisian elected representatives, associations, mobile telephone operators and national agencies from the sector. Through this new committee, the City confirms its proactive stance on the subject, in line with the Mobile Telephone Charter which defines a maximum level of exposure that is one of the strictest in Europe.

Health impact assessments track the well-being of residents

The Health Impact Assessment (HIA) is one of the tools recommended by the World Health Organization to anticipate the consequences of projects on the health and well-being of populations. The first urban HIA carried out by the City of Paris concerns an urban renewal project, *Les Portes du vingtième*. On the basis of a local diagnosis of the health issues and identification of the most vulnerable populations, the HIA made it possible to accurately analyse the effects of the project (environmental disturbances, safety and quality of living conditions, access to care, social cohesion, local employment, etc.) and to guide planning orientations.



The Portes du Vingtième district has 36,000 inhabitants (20th)

PARIS COMMITS TO THE ZERO PHTHALATES OPERATION

The *Zero phthalates* operation is conducted jointly by the City of Paris and the City of Strasbourg to produce the Charter for "towns and regions free of endocrine disruptors". In particular, it aims to raise awareness and inform the general public, as well as professionals, regarding the risks resulting from these substances. For this, a symbolic operation was carried out to publicise the subject: around 40 elected representatives had samples of their hair taken in order to have them analysed.

Water

Paris Rain Plan is a rain zoning plan that aims to make 100% use of rainwater

For the last few years, the City has been moving towards a new rainwater management policy. In March, these efforts resulted in a unanimous vote in favour of the Paris Rain Plan, which includes new sanitation zoning in Paris. The key goal, "to make the rain 100% useful", spans across a number of areas: increasing ground permeability in the Paris region; restoring the natural cycle of water; ultimately boosting the presence of water and nature in the city. This scheme will therefore contribute to cooling the city, conserving natural areas and improving the living environment. These new provisions will affect both the public and private sectors. Several developments have already incorporated new methods of rainwater harvesting.



The green roof of the gymnasium of Rue des Haies (20th) was also equipped with a rainwater harvesting system

- 188,476 m³** of water produced daily
- 90.4%** Rate of return for drinking water supply (ratio between the volume of water consumed and the volume introduced into the water supply grid)
- €1.02** excluding taxes and subscription, Cost of a cubic metre of drinking water on 1st January 2018, among the cheapest in France
- 4,365 ha** of land farmed organically on the catchment areas of *Eau de Paris* (+ 23% from 2017 to 2018)
- 1,200** drinking fountains throughout the region and **223** ornamental fountains
- 14** sparkling fountains put into service as part of the *Participatory Budget* (including 4 new ones in 2018)

Exemplary administration

43 diagnoses and noise measurements carried out in the City's workshops and refectories within the framework of the *Participatory Budget* "Lunch in peace". Depending on results, acoustic improvement work will be programmed.

→ The City has set up the kilometric bike allowance (€200 max/year) for all agents using a bicycle to get to work.

→ Telework continues to grow: 1,273 teleworkers at the end of 2018, saving a total of 275,000 hours of transport, or 9 daysours per agent.

→ An automatic watering system using grey water is installed on the *île de Bercy* in *Bois de Vincennes* (12th) and in the Longchamp nursery in *Bois de Boulogne* (16th).



Access to drinking water in a Tamil Nadu village



Paris international

→ Paris takes part in the network of European cities and regions, Polis, on independent mobility, sustainable logistics and shared transport.

→ As part of the C40, the City is thinking of common rules for regulating independent forms of transport.

→ Paris, with 30 international cities, such as Los Angeles or Tokyo, has committed by signing the C40 Fossil Fuel Free Streets Declaration. The text plans notably for zero emission buses from 2025 and the creation of zero emission zones by 2030.

→ The City has developed technical cooperation projects to access water and sanitation in Palestine, the West Bank and Cambodia. 3 projects have also been subsidised for emergency aid for water and sanitation in Indonesia, Yemen and Bangladesh.

→ The General Court of the European Union validates the appeal of the Mayors of Paris, Brussels and Madrid to tighten the anti-pollution standards stipulated by the European Commission.

→ In 2018, the SOLIDAE initiative funded 23 projects supported by 18 associations for the sum of €1,024,249. These projects allow disadvantaged populations in 15 countries to access essential services (water, sanitation, energy, waste processing).



6 March — The City launches a call for projects for the installation of 19 new apiaries in the capital.

21 March — *Tree Festival* celebrates the City's plant heritage and the city agents maintaining it on a daily basis. On this occasion, the Mayor of Paris planted the 10000th tree of this term of office.

From 22 April to 10 May — The 1st edition of the *Make Paris a place of biodiversity* awareness-raising event promotes the region's wealth of biodiversity, through tours, conferences, exhibitions and activities for all ages.

22 May — The 1st Paris Committee for Biodiversity gets together. Composed of associations, researchers and specialised teachers, the Committee's job is to assess the implementation of the City's Biodiversity Plan and recommend new actions.

26 May — For the 1st edition of *Cemeteries spring*, 17 cemeteries in Paris put on a free programme of discoveries based around themes of nature and culture.

18 June — The City announces the 33 winners of the *Parisculteurs* - season 2 call for projects.

16 July — The 500th Parisian green space, the *Jardin Truillot* (11th), opens to the public.

3 October — The City holds the 1st edition of the *Animal Festival*.

19 October — Paris launches the *Hops* call for projects - season 2, providing 21 sites around the capital for growing hops (more than 1 linear km to plant).

10 November — Honey from municipal beehives installed at *Maison Paris Nature* in the *Parc Floral* (12th) is awarded 3rd prize at the Metropolis of Greater Paris contest.

19 November — The Paris Council unanimously adopts the "Animals in the City" Strategy, composed of 71 actions, primarily aimed at improving animals' quality of life in the City.



Promoting biodiversity in Paris: green and blue corridors

Natural and regional biodiversity is concentrated on 16% of the surface area of Paris, in its gardens, parks and woods. These natural spaces contribute to quality of life and well-being of residents, encourage cool areas in the city and add to the capital's appeal. To strengthen their ecological network, the contribution of all green spaces is essential. With this in mind, Paris is taking action to build a new urban model where nature unfolds wherever it can. The City invites Parisians to plant in public areas; it also supports urban agriculture initiatives or redefines the place of animals in the capital. To organise action in favour of biodiversity, the 2018-2024 Biodiversity Plan was adopted in March 2018.

22 March — The 2018-2024 Paris Biodiversity Plan is unanimously adopted.



Biodiversity

Paris establishes a 2018-2024 Biodiversity Plan

Following two years of consultation with Parisians, in March the City adopted the 2018-2024 Biodiversity Plan. In line with the new Climate, Air and Energy Action Plan and the Resilience Strategy, this plan aims to fight against the extinction of species and to improve the living conditions of residents by considerably increasing the place of nature in the city. It is broken down into 30 actions grouped into 3 priorities: biodiversity in a committed city; biodiversity by everyone; biodiversity everywhere. Initiatives that have already started include the reinforcement of ecological corridors by creating new ponds, *Green Streets* and new gardens. The City is also developing planting initiatives for public buildings and de-waterproofing asphalt surfaces. Parisians are also involved: the City provides them notably with new means to protect fauna (nesting boxes for sparrows or bug hotels) and to develop flora (distribution of seeds and bulbs).



Biodiversity at the heart of major development projects

→ In the future *Saint-Vincent-de-Paul* district (14th), the surface area of green spaces will be more than doubled, from 2,000 m² to 4,700 m² along the 2 existing ecological corridors. In order to enhance rainwater infiltration, ground spaces will be made permeable and the planting of regional species will be prioritised in order to boost biodiversity.

→ In the *Chapelle Charbon* sector (18th), the first 3 hectares of the park will be developed by 2020. Different landscape atmospheres will be developed and the presence of water will not only make the route more varied, but also cool the area. In order to maintain the biodiversity observed at this site, seeds were collected to be reintegrated into the landscape project. Studies are also under way to create an area of darkness (unlit at night) to house certain species, such as bats.

→ In the *Bédier Oudiné* sector (13th), the challenge is to develop the different plant strata to establish continuity between areas of ecological interest: city squares, *Petite Ceinture*, ring road embankments, etc.



454 sites have earned the *Éco-Jardin*® label for ecological management since 2010 (representing 91% of all parks and gardens)



91 biodiversity projects, carried out by community gardens, co-ownerships, museums and businesses, received assistance (gardening advice, beehive installation, etc.)



24 projects supported under the 2018 *Biodiversity* call for projects, to the order of €34,500 in total



2 new ponds



New 44 m² pond in the *Charles Péguy* square (12th)

THE CITY PUBLISHES THE INTERACTIVE VERSION OF THE NATURE PATHS ON PARIS.FR

This interactive map shows the Parisian network of biodiversity reservoirs linked by ecological corridors, displayed in green and blue grids. The network formed this way is both land-based and aquatic; it includes a number of ponds in the Paris area, for instance.

THE CITY COMPILES A CATALOGUE OF REGIONAL FLORA

A catalogue listing local flora by strata has been drawn up for private and public developers to help promote biodiversity across all types of planted areas.

Paris is home to a dozen plant species and nearly 130 animal species that are threatened or protected on the regional or national scale.



Hedgehogs are one of the threatened and protected species in Paris

Number of species recorded between 2014 and 2018



319 species of mushrooms and lichens



971 species of wild plants



1,256 animal species

The "*Balades Paris durable*"



25 walks available on the app *Balades Paris durable* featuring



2 new routes: «*Histoires Naturelles au Quartier Latin*» (Natural Stories in the Latin Quarter) (5th) – from the *Jardin des Plantes* to the *Jardin de Cluny* –, and «*Berge de Seine au Bois de Boulogne* (16th)» – from the right bank of the Seine to the edge of the woods –

Animals in the City

Paris adopts a strategy to make the city a better place for animals

Following 18 months of consultation with elected officials and Parisians, the *Animals in the City* committee has formulated recommendations to make the capital a better place for animals and improve animal welfare. Presented to the Paris Council in November, the "Animals in the City" strategy covers 4 areas and puts forth 71 actions, including:

→ creating a permanent *Animals in the City* scheme within the municipal services to monitor and coordinate actions

→ educating children about animals and their place in the city

→ developing 25 dog areas distributed across the whole Paris region

→ introducing a clause concerning animal welfare in public contracts and the authorisations for activities issued by the City.

THE 2ND EDUCATIONAL FARM IN PARIS OPENED IN THE SUZANNE LENGLEN MULTI-SPORTS CENTRE (15th)

In late October, Paris inaugurated its 2nd educational farm, in a 2,000 m² area at the Suzanne Lenglen sports grounds (15th). Visitors can see chickens, rabbits, dwarf goats, ewes, ducks and geese. Intended particularly for Parisian children, the farm aims to raise awareness about urban agriculture, sustainable food and animal well-being.



THE ANIMAL FESTIVAL RAISES AWARENESS ABOUT ANIMALS IN THE CITY

The 1st edition of the *Animal festival* took place on 3 October in the *Parc de Bercy* (12th). More than 600 people participated. Several associations attended to inform the public on a wide range of subjects: protection of species, cruelty to animals, the role of animals in urban areas, what to do in case of injury, etc.



2,967 visitors to mobile farms

Greening up

2 new Green Streets in Paris

2 new *Rues Végétales* (i.e. *Green Streets*) have been developed to boost vegetation: *Rue Gustave-Goublier* (10th), in an "urban jungle" style, and *Rue du Retrait* (20th), promoting the history of the *Ménilmontant* neighbourhood and its artistic vibe. These two initiatives are the fruit of active local consultation with the residents along these streets, who look after the garden boxes created through *Green Licences*.



Rue du Retrait (20th)



Rue Gustave Goublier (10th)

NELSON MANDELA GARDEN, THE GREEN LUNG OF LES HALLES (1st)


Inaugurated on 19 May, this 4.3 ha garden is like a vast prairie around the central promenade, lined with 500 trees and other plantations. It is a space for relaxation, meeting and leisure, but also a new urban link between Saint-Eustache church (1st), the Commodities Exchange (1st) and the Canopy (1st).

Greening up

 **757**
Green Licences issued in 2018
and **2,195** pending



Green Licence Avenue du Docteur Netter (12th)

 **34** walls covering 2,754 m² and
21 walls for *Greenery close to home* across
1,160 m², **totalling 55 green walls across a
surface area of 3,914 m²**


 **2**
Green streets developed in 2018

Tree planting

 **5,636**
trees planted in 2018,
or a total of **13,979** trees planted since 2014

Green spaces

 **3.39 ha**
green spaces delivered in 2018
(created, expanded or reclaimed in 2018)

 **24**
new gardens created since 2014
(including 4 creations or re-appropriations
and one extension)



Festive & awareness-raising events

Many events were put on in 2018 to encourage Parisians to green their city.

3 and 10 March → Over 4,000 plants from surplus production put on sale at the Paris Horticultural Production Centre in the 4th and 16th arrondissements.

17 March → As part of the 3rd edition of the *Seeds at all levels* project, 50,000 bags of seeds are distributed to Parisians on the banks of the Seine and *Maison du Jardinage* (12th).

21 and 22 April → The 48h of urban agriculture event, organised by *La Sauge* association and backed by the City of Paris, invites the Paris region to carry out re-greening actions.

2 and 9 June → Over 60,000 larvae of ladybirds and lacewings are distributed to communal gardens and individual Parisians to raise awareness about organic gardening and the preservation of beneficial insects in the garden.

2 to 5 June → Following the success of its 1st edition along the *Avenue Foch* (16th), *BiodiversiTerre* takes place once more, this time at *Place de la République* (3rd, 10th, 11th). Created by the artist Gad Weil, this is a work involving plants and humans that consists of 8 scenes illustrating ecological issues and mankind's responsibility to the environment.



2018 Garden festival at Martin Luther King park (17th)

16 June → The 4th edition of the *Honey and Bees Festival* invites Parisians to discover the capital's 11 apiaries.

4 September → 3 vineyards managed by the City welcome Parisians for participative harvesting.

12 September → Paris initiates a new biodiversity operation: birdhouses for sparrows are distributed to volunteers to battle the 15-year decline of this species in the capital. In 2018, 191 sparrow boxes and 119 insect hotels were distributed.

22 and 23 September → The 22nd edition of *Garden and Urban Agriculture Festival* puts on 400 free events in greens spaces around Paris and the Metropolis.

7 October → The 4th edition of the *Vineyard and grape festival* celebrates the wine heritage of Paris.

13 and 20 October → Over 6,000 plants from the horticultural production centre in Paris are put on sale in the 3rd and 7th arrondissements.

Urban agriculture



Portrait of Théo Champagnat, co-founder of Cycloponics and winner of season 2 of the *Parisculteurs* with his underground farm project

Season 2 of the *Urban Agriculture Awards* encourages the City's agricultural movement

In December, the jury of the 2nd season of the *Urban Agriculture Awards* announced this year's 6 winners. These included a permaculture garden in the *Ferme de Paris* (12th), a participatory brewery growing its own hops (2nd, 15th and 20th) and neighbourhood nursery schools (11th and 20th) that supply seedlings to Parisian farmers. These projects receive the boon of increased visibility from the City as well as support from Miimosa, the agricultural crowdfunding platform that sponsors the awards.

Urban agriculture takes root at the Bastille Opera House (11th)

The "Opera 4 seasons" project, from *Parisculteurs* season 1, is installed across 4 terraces and facades of the *Opera Bastille* (11th) and was inaugurated on 22 September by the Mayor of Paris. Run by the Topager company, this is a market garden of fruits, vegetables and edible flowers, set up on the roof, with a hops farm on the facade. The idea of installing a brewery, to make beer on site, is also being considered. 50 baskets are already being sold every week to Opera employees, and production is expected to reach 5,580 kg per year in aromatic plants, berries, young shoots and vegetables, alongside 500 kg of hops. With a farming area of 2,500 m² on the roof and 300 m² on the facade, this project has created a full-time job for staff qualified in agro-ecological market gardening.



PARISCULTEURS SEASON 2 THE CITY ANNOUNCES 33 WINNERS

33 projects were selected to farm an area of over 9 ha in the capital. Among them: an urban floral farm project covering 4,400 m² on the roof terraces of the Robert Debré hospital (19th) and the creation of a vineyard in the heart of the *Bois de Vincennes* (12th).

PARIS SUPPORTS HOPS FARMING

The *Hops* call for projects aims to boost hops farming in Paris. In February, 8 winning projects were selected to farm at 10 locations in the capital with a combined length of 1 km of walls to plant. On the strength of this success, the City launched season 2 in October, offering 21 new sites for the city's hops.



Hops wall at the Rigoulot sports centre (15th)

PARIS LAUNCHES A CALL FOR PROJECTS ENTITLED "LET'S GROW THE BARBÈS- CHAPELLE-STALINGRAD PROMENADE" IN THE 18th ARRONDISSEMENT

Under this urban initiative, around 700 m² of land will be cultivated on a central section of promenade, at *Boulevard de la Chapelle*, under the viaduct of metro line 2. This is part of the planned development of the Barbès-Chapelle-Stalingrad promenade (18th and 19th arrondissements). The winning project will be announced in spring 2019 in order to start work in June.

Data on urban agriculture



Parisculteurs Season 1

32 sites provided,
totalling 5.5 ha in surface area
15 sites installed covering 2.2 ha



Parisculteurs Season 2

43 sites provided,
totalling 10 ha in surface area
33 sites attributed covering over 9 ha
1 site installed covering 0.2 ha



Hops Season 1

10 sites totalling a length of 1 km
of hops provided
8 sites equipped with 14 walls,
covering 2,991 m²



Hops Season 2

21 sites totalling a length of 1,039 km
of hops provided



229

kitchen gardens installed in the schools as part of the *Participatory Budget* programme "Farming at school" (since 2015)



154

schools given groves, of which 39 were delivered in 2018 with 1,207 fruit trees planted in total including 326 in 2018



150

communal gardens in action in 2018:
— 125 community gardens
— 6 social support gardens
— 19 educational gardens



49

communal gardens created since April 2014, including 10 new ones in 2018



Exemplary administration

→ The Jean Quarré site (19th) is conducting a certification process entitled *BiodiverCity*, an internationally recognised label awarded to real estate projects that take biodiversity into account. With a surface area of about 6,000 m², the plot presents real ecological potential, to be exploited by planting regional species making up 50% of the total flora, and making homes for animal species through the installation of nesting boxes for house sparrows.



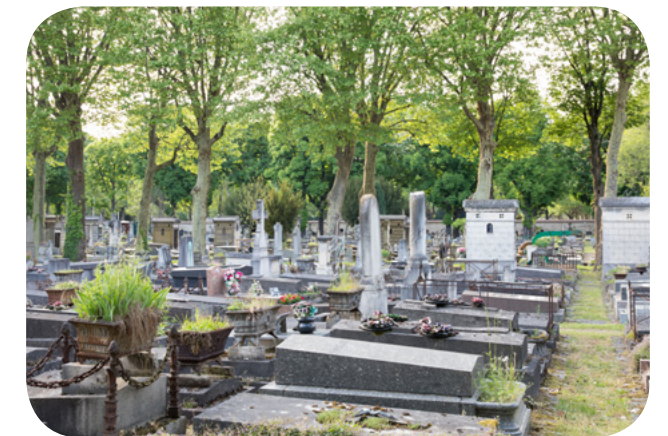
Preliminary design

→ The City introduces a tool to monitor and assess planting at plot scale: the biotope-per-area factor. Suitable for the Oasis playgrounds, this tool measures the impact of greening in construction operations.

→ Workers from the City's department of green spaces and the environment have installed garden boxes and planted more than 150 plants, half of which are of local origin, front of 103, *Avenue de France* (13th). They are working with their colleagues from other departments in a participatory consultation process.



→ Dewatering and grassing operations in cemeteries boost biodiversity (11,600 m² carried out since 2014).



→ 4 additional municipal administrative buildings are greened in 2018: 455 m² at *Boulevard Bourdon* (4th); 650 m² at *Bâtiment Bédier Est* and 510 m² at *Bédier Ouest* (13th); 360 m² *Pavillon de l'Arsenal* (4th) and a hops wall at *Rue du Pré* (18th).



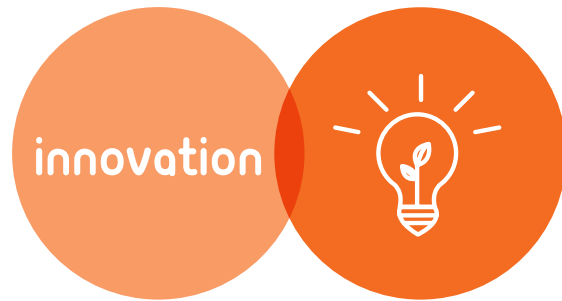
35%

of cross-disciplinary contracts include a clause or criterion for biodiversity (30.7 % in 2017)



34

training sessions on biodiversity have given 485 agents training on various topics: wild hives and pollinators, renewing eco-garden certification, Asian hornet, etc.



Innovation at the service of sustainable development

Paris encourages innovative projects to build a smart and sustainable city.

FAIRE awards 12 innovative urban design projects

An earthen climate bench to cool the surrounding atmosphere, rainwater collection tanks, carved stones from Ile-de-France to enclose public places, innovative bicycle signage, and the "podophone", an urban game involving graphics and sound... In June, a total of 12 projects received awards from FAIRE, an accelerator of innovative architectural projects, launched by the Pavillon de l'Arsenal (4th) and the City of Paris. Initiated in 2017, this call for projects invites engineers, designers, architects and landscapers to come up with solutions to major urban issues such as climate change, the crisis of materials, new technologies, solidarity, cleanliness, mobility, and so on.

The "Neighbourhoods of Urban Innovation" call for experiments announces 15 winners

This call for experiments, led by a partnership between the Urban Lab (urban testing laboratory of Paris&Co), the City of Paris and 12 other entities, aims to test out innovative projects responding to urban issues in real-life conditions. The 15 winning pilot projects of the 1st edition, announced in October, addressed 3 topics: new forms of mobility, the modularity of urban spaces and circular economy. The innovations that emerged included: the Feelobject company's project to create an interactive district for visually impaired or blind people; the Cycle Up platform to re-use materials from construction sites; and Pariset, Ecosec's project to provide ecological toilets that don't use water. The winning projects will be tested on the Paris left bank district, in the 13th arrondissement.

DataCity 3 develops innovative solutions for the city of tomorrow

DataCity is an innovation programme that puts urban data processing technologies at the service of environmental, social and economic issues. To accomplish this mission, multidisciplinary teams are created comprised of City agents, large partner companies and start-ups. At the 3rd edition in 2018, 14 teams were selected to invent the city of tomorrow. Among them, the start-up Wegoto has come up with a route calculator adapted to the different mobility needs of people with disabilities; Co-Recyclage has developed an interface allowing users to describe the object(s) they deem to be reusable and that they wish to offer to actors or individuals in the re-use industry; Runnin'city is plugging real-time data about Paris public lighting and air quality into its smartphone app for runners to customise their routes accordingly.

THE ARC OF INNOVATION LAUNCHES ITS 1st CALL FOR PROJECTS

Implemented by the City of Paris and the regional government agencies of *Plaine Commune, Est ensemble* and *Grand-Orly Seine Bièvre*, the Arc of Innovation is an initiative set up to boost local innovation in the working-class neighbourhoods of the wider eastern Paris area. In an effort to bring out innovative projects, the Arc launched its first call for projects in 2018, in partnership with Paris&Co. The 10 winners, announced in February 2019, will receive financial support and help from the teams at Ulule, a crowdfunding platform.

SPOTLIGHT ON DIGITAL TOOLS

Open data, transparency of public policies and reuse by citizens

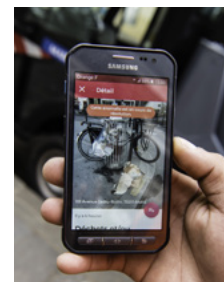
Launched in 2011, the *opendata.paris* platform makes over 200 databases available to the public. Open data publication is now a matter of course. The Parisian platform is therefore particularly attentive to the needs and demands of its re-users in order to increase the number of publications. Particularly important in 2018 were the publication of guidelines for electric vehicle charging stations and the publication of *Participatory Budget* data.

DansMaRue ("InMyStreet") shares info on disruptions in public areas

The system (mobile app, online form and telephone service on 3975) was overhauled in 2017. It's a shared platform for Parisians to log anomalies they encounter in public areas. In 2018, the reporting of vehicles causing a disturbance (new area of jurisdiction in the City of Paris) was added to the list of subjects concerned. At the end of 2018, the device was receiving 40,000 entries per month.

Data to serve City businesses

Data use is of major importance to the City, oiling its cogs and wheels. An initiative was launched in 2018 specifically to increase data use by the City's services. It includes giving "data-literacy" training to employees, establishing a specific infrastructure and increasing the number of related projects.



Cleaning emergency alerted via app



Olympic & Paralympic Games

The City of Paris aspires to organise the first sustainable, socially inclusive and supportive Games in history, whose legacy will benefit all Parisians.

→ **29 March** – 300 economic players come together at the AccorHotels Arena (12th) to launch the *Plan EnJeux Emplois* (i.e. Employment Plan) for major international sports events including the Olympic and Paralympic Games (initiatives in favour of integration, social and solidarity economy and economic development).

→ **20 June** – The *Olympic Day* takes place at various districts throughout the capital, aimed at promoting local sport for all.

→ **23 June** – The banks of the Seine turn into a giant sports ground for *Olympic Day*.



Trampoline demonstration Pont Alexandre III (8th)

→ **4 to 12 August** – The 10th edition of the *World Gay Games for Diversity* is held to promote diversity and equality through sport. The 2024 Inclusion Paris Foundation is founded to advocate the inclusion of LGBT people in sport and culture and finance pertinent projects.



Water-polo final at the Georges Vallerey pool (20th)

→ **2 November to 16 December** – Proudly promoting women's sport, Paris hosted the *Euro 2018 Women's Handball* (EHF Euro 2018).

The Olympic Day in numbers

450,000 participants in the events and demonstrations

3,500 participants in the *Night race*, between Pont Alexandre III (8th) and the Eiffel Tower (7th)

120 volunteers present

95% of the communication means were re-used, saving **871 kg** of waste



Ping pong on the right bank of the Seine

New governance for the 2024 Games and environmental excellence strategy

The City has set up a new governance structure to steer the Olympic and Paralympic project and major sporting events, creating the DGJOPGE (General Delegation to the Olympic and Paralympic Games and Major Events) within the General Secretariat. Amongst other things, this delegation is tasked with creating a long-term legacy for local inhabitants, involving and mobilising them in the whole process, using the Games to drive up the City's level influence and attractiveness, and delivering the event in line with sustainable development policies. The delegation is also spokesperson for the main actors involved in the Olympic project, including the State (Interministerial Delegation for the Olympic and Paralympic Games), the Organising Committee (COJO Paris 2024) and SOLIDEO (Olympic and Paralympic Games Delivery Company).

Parisian stadiums commit to sustainable management of their facilities

The "15 eco-responsible commitments of managers of major sports facilities and reception sites" Charter, launched in June 2018 by the Sports Ministry, was established in consultation with those involved in the sector, and in line with the City of Paris' aspirations for the 2024 Games. The managers of sports facilities are therefore held to daily commitments regarding responsible food, travel management, responsible purchasing, waste management, biodiversity, energy and water consumption, reception of people with disabilities, local sourcing, anti-discrimination policies and responsible management. 3 major sites managers and future Olympic venues have signed the Partnership Agreement: the AccorHotels Arena (12th), Roland-Garros (16th) and the Parc des Princes Operating Company (16th).



Over €100,000

of materials are recovered at the end of the GESI (Major International Sporting Events) 2018 to be reused by the City

Generation 2024: Paris puts youth at the heart of the Games

It is the City's hope that the organisation of the Olympic and Paralympic Games will bring out a *Generation 2024* with values and projects to build the world of tomorrow. The 2nd edition of the *Olympic and Paralympic week*, at the end of January, was a shining example of this, demonstrating the City's policy of promoting education through sport: 2,000 Parisian school children joined in with efforts to spark civic engagement and build new attitudes to disabilities in sport. Another initiative, the *Talents #2024* call for projects, aims to bring forward young people from Greater Paris with ideas for entrepreneurial or associative projects to carry out in keeping with Olympic values. Created in 2017, this label has already helped support 24 projects. The 2nd edition opened in May 2018 along the same lines as the first.

A consultation process to establish the Legacy for the City programme for "Useful Games"

The year 2018 focused on two main initiatives: the continuation of the programme to support applications (10 measures out of the 43) and the first steps to establish the Legacy for the City of Paris programme relating to the 2024 Games. A 6-month consultation period was granted so that the region's main players could come together (companies, associations, experts, citizens, etc.) and come up with the main thematic action lines and basic structural actions concerning the Games Legacy. This consultation was structured in harmony with the consultative and participative steps already taken by the City towards the development of its strategic documents for sustainable development (Climate, Air and Energy Action Plan, Tourism Strategy, Paris Pact to combat large-scale exclusion, Accessibility Strategy, etc.).



The future Arena 2 venue, Porte de la Chapelle (18th)



2nd edition of the Olympic and Paralympic Week at the Ladoumègue Sports Centre (19th)



Consultation about the Games Legacy, at the Recyclerie (18th)

Reaching out to civil society



8
major events



60
meetings with
over 10,000 participants
1,200 ideas and projects
collected

Paris 2024 must leave a positive legacy on the region and sustainably benefit Parisians

That's why the City is presently rallying to build an eco-friendly, inclusive and supportive event.

→ Infrastructures that benefit residents

In line with the Sustainability Strategy of the Paris bid, SOLIDEO and the City of Paris have based their strategy upon 3 main pillars: to limit global warming; protect and develop biodiversity; and prepare the city for new living conditions. This eco-friendly, sustainable approach is a central element of the construction projects for the Arena 2 multi-sports venue, located right in the working-class neighbourhood of La Chapelle (18th), and the renovation of the Pierre de Coubertin stadium (16th).

→ A new sports route in the Green Belt

At the request of the City, the Parisian Urban Planning Working Group (APUR) has carried out a study for the development of a 40-km sports route on the Green Belt. This project aims to be accessible to everyone and help develop sports in public areas while fostering biodiversity. With regard to the Games, this route serves Olympic venues such as the Parc des Princes (16th), the Roland-Garros stadium (16th), the Porte de Versailles exhibition centre (15th), the Arena 2 (18th) and the Live Site at Villette (19th). It also connects many sports facilities and 85 parks and public gardens.

→ The health of Parisians as a founding pillar for the Games

In May, the Regional Health Observatory and the Paris Department of Environmental Health submitted a Health Impact Assessment for the Olympic and Paralympic Games project. This first assessment, initiated during the application phase, anticipates the expected positive and negative effects on health and well-being of the Paris 2024 Legacy Strategy and formulates recommendations for all stakeholders. Amongst other things, the assessment recommends building a planned, cross-sector legacy suited to the specific locations hosting the Games.

→ The Games are designed to stimulate the circular economy

As part of the 2024 Olympic and Paralympic Games Convention covering Paris and the Seine-Saint-Denis area (93), two task forces have been created with the function of sharing feedback and pooling actions in order to speed up the transition to a more circular economy. In 2018, 4 meetings elicited SOLIDEO's technical support to make the Games more exemplary by bringing re-use and recycling platforms into play.



Nearly 4 tonnes

of materials (bowling pins, benches, parquet flooring, kitchen furniture, etc.) recovered before demolition of the Porte de la Chapelle site (18th)

→ The Games incorporate Social Solidarity Economy projects

In May, the Paris 2024 Organising Committee, SOLIDEO, the Yunus Center and Les Canaux (19th) signed an agreement to organise the first inclusive, socially-oriented Games in Olympic and Paralympic history. As part of this plan, the *IMPACT 2024* platform was set up both to inform and to enlist Social Solidarity Economy players and entrepreneurs, fully involving them in the Games to work together with common goals: inclusion of people in situations of hardship, creation of jobs for vulnerable groups, development of social entrepreneurship initiatives, etc.



Les Canaux steers the platform, drawing on the expertise of the Yunus Centre Paris and Yunus Sports Hub



- 8 January** – The City launches the 5th *Participatory Budget* edition.
- 24 March** – The 1st *Day of Citizen Participation* is organized at the Paris City Hall (4th); Parisians are invited to discover municipal citizen participation schemes.
- 12-13 May** – Paris celebrates *Europe Festival*: the forecourt of the City Hall (4th) hosts a European village (concerts, debates, etc.) and many events are organized in the arrondissements throughout the month of May.
- 13 June** – The 1st edition of the *Children Celebration* gathers more than 400 children and their families in the *Rives de Seine* park (pedestrianized banks) for an awareness campaign for sustainable development.
- 26-28 October** – Paris welcomes 800 young people from all over France for a 3-day citizen hackathon. Together they come up with ideas on the subject "Finding your place with your differences in every territory".
- 27 October** – The Paris Council of Youth unites 100 young people aged 15 to 30 (for 2 years). As part of its partial renewal, 58 new members are drawn by lot from 903 applications.
- 12 November** – The City launches the 3rd edition of the «Bandstand celebration» call for projects to set up 44 bandstands and outdoor theatres in Paris' parks and gardens.
- 5 December** – The "*Paris I commit myself*" event, with stands from charities, debates and informative trails, brings in 1,500 participants and ends the *Commitment Week*.
- 13 December** – Paris celebrates the 2nd edition of *European Citizenship Day* with the aim of raising awareness of European citizens living in the capital to citizen participation.

Contributing to the fulfilment of all through citizen participation

The challenges of sustainable development and the associated solutions are an integral part of citizen participation. The City of Paris has made this a major focus of its public policies. Different participation tools have already been set up, such as citizen bodies, or the *Participatory Budget*, which elicit a lot of enthusiasm. In 2018, the City developed new initiatives: it launched the *Eco-responsible Parisian Events Trophies* and developed consultation schemes, such as the Civic Hall (20th), a new collaborative space dedicated to local democracy. In this participatory ecosystem, the Voluntary and Civic Centres constitute resource centres which support residents' commitments.

2 July – The Participatory Housing project, initiated in 2014, culminates in the transfer of one of the pieces of land on *Rue Gasnier-Guy* (20th) to the winner, the UTOP cooperative.



Participatory Budget

The Participatory Budget 2018 beats a new record of participation

210,793 Parisians took part in the 5th edition of the *Participatory Budget*, of which 79,748 school pupils within the framework of the *Participatory Budget* for primary schools and high schools. 131,045 Parisians voted on the platform (*budgetparticipatif.paris*) or in ballot boxes in district town halls and in numerous Parisian venues. Participation increased by 25.5% compared to 2017, which is a new record. Citizens adopted 7 projects for Paris on a variety of subjects: cleanliness, mobility, access to sport, health offering in priority neighbourhoods, etc. 173 arrondissement projects were also selected.



Three-wheeler (mobile voting booth) Place de l'Hôtel de Ville (4th) to collect residents' votes

THE PARTICIPATORY BUDGET RECEIVES PUBLIC MANAGER OF THE YEAR AWARD

Established by the Interministerial Directorate of Public Transformation, this award recognises innovative public service projects. It was the transparency of the process that caught the jury's attention.

- € €87.6 M of allocated total budget
- 51 winning projects in working-class neighbourhoods with a budget of €36.4 M
- 612 projects approved since 2014
- 1,700 realizations delivered
A project can be composed of several realizations.
- Projects related to ecological transition represent 23 % of the total investment approved in 2018, or €6.5 M



The Riblette school playground (20th) was redeveloped under the *Participatory Budget* to attenuate the "heat zone" phenomenon.

The voluntary sector

Voluntary and Civic Centres take part in the citizen participation scheme

In January, the *Maisons des Associations* (i.e. association centres) became *Maisons de la Vie Associative et Citoyenne* (i.e. voluntary and civic centres). These resource centres, set up to support and develop community life, now also host citizen participation schemes. For instance, the centres provide meeting rooms, offices or coworking spaces to assist the implementation of the City's participatory programmes such as the *Debate Evening* and the *Participatory Budget*.



- 70,000 active associations in Paris
- 4,815 associations created in 2018 (twice as many as the national average)
- 16 Voluntary and Civic Centres
- 8,000 associations registered in Voluntary and Civic Centres, including 731 in the environment and ecology sector

Participatory housing and development

THE NEW PLACE DU PANTHÉON (5th) WAS REFURBISHED WITH RESIDENTS' PARTICIPATION

The refurbishment of *Place du Panthéon* (5th) is the fruit of collective work with a specialised association, Les MonumentalEs, and more than 1,000 Parisians, who participated in dialogue and co-design workshops over the course of 2 years. The main goal: to give the square back to the people (residents, students, tourists, passers-by) Together, participants re-designed the square to make it more welcoming (wood and granite furnishings), more peaceful (3000 m² pedestrian area) and greener (40 potted trees).



The UTOP cooperative wins the Participatory Housing call for projects for one of the two sites on Rue Gasnier-Guy in the 20th

UTOP, in association with the Coopimmo social housing provider, is running a cooperative project under the Act on Access to Housing and Renovated Town Planning. Coopimmo owns the land and the cooperative owns the building through shares. Composed of 17 social housing units, the project includes an activity room, a music studio and a public area opening onto a 170-m² garden. The transfer of the land was approved in summer 2018 and work is due to start at the end of 2019.

THE REINVENTING PARIS 2 CALL FOR PROJECTS INTRODUCES NEW FORMS OF PARTICIPATION

To encourage Parisians to get involved in this initiative, several public meetings were held at various stages of project development: preliminary meetings to introduce the sites and explain the rules of the call for projects, during the consultation process at some of the district councils, and after the winning projects were selected. An electronic log was also opened to allow citizens to contribute their ideas on the sites in question.

Citizen consultation enhances the Maine Montparnasse project

The urban redevelopment project of the *Maine Montparnasse* sector (6th, 14th, 15th) was launched in 2018. The City involves citizens in the design of this new 10 ha public space. The 1st consultation phase led to a shared diagnosis of uses. More specifically, the City introduced actions to find out what the people concerned by the project actually want: residents, shopkeepers, employees, passengers, city dwellers. This consultation took place in different forms: presence in public spaces, 2 safety audit walks, public meetings, participatory workshops and on-line questionnaires. This co-construction approach will be intensified in 2019.



THE CLICHY-BATIGNOLLES ECO-DISTRICT (17th) EXPERIMENTS WITH A NEIGHBOURHOOD ENERGY PLATFORM MANAGED BY THE USERS

A smart energy network project is developed in the *Clichy-Batignolles* eco-district (17th). The project is based on an energy platform allowing owners, tenants and building managers to steer, in real-time and with shared responsibility, energy production and use. In addition, residents receive support in eco-gestures and can track their individual use as well as that of their buildings.

Consultation bodies, participatory tools

The Council for Future Generations produces its first assessment

An advisory, independent and joint body, the purpose of the Council for Future Generations is to represent Parisian civil society. Since it was founded in 2016, it has worked on 3 major subjects: the sharing economy, youth in Paris and living together. A summary of its activity was presented in February, along with different recommendations to strengthen the place of the collaborative economy. In particular, the Council recommends the launch of a diagnosis on the collaborative economy in Paris, as well as the creation of a "one-stop shop" to encourage dialogue between the City and the stakeholders of this economy.



THE 5TH NIGHT OF DEBATES FOCUSES ON CLIMATE CHANGE

Organised on 24 March, this event is the opportunity for Parisians to discuss and debate all over Paris (cafés, museums, barges, etc.). Around 30 discussions concerned the commitment for a sustainable and ecological city, echoing the new Climate, Air and Energy Action Plan and the new Biodiversity Plan.



The Civic Hall, a new collaborative space, the only one of its kind in France

Inaugurated in March in the pavilion in *Parc de Belleville* (20th), the Civic Hall is a space dedicated to those involved in local democracy. It is a place of innovation, which aims to reinforce citizens' power to act. In a 650 m² area opening onto 45,000 m² of green space, it contains collaborative work modules and debating modules, a citizens' café, offices and meeting rooms. Following a call for projects, its leadership was entrusted to *Les Halles civiques* association, made up of companies, social entrepreneurs and associations.



WOMEN'S SAFETY AUDIT WALKS, A NEW APPROACH TO MOBILITY AND THE URBAN SPACE

The City organises Women's Safety Audit Walks in different neighbourhoods, notably the *Deux Portes* (10th), *Porte de Vanves* (14th), *Place des Fêtes* (19th) and *Belleville-Amandiers* (20th). These walks provide a diagnostic of the situation of women in the public space. The walkers question issues such as their perception of safety, the condition of urban facilities, public lighting, planting and cleanliness. Their recommendations aim to create greater versatility and equality in accessing and using urban spaces.



Actors of Sustainable Paris

The Parisian Eco-responsible Events Trophies award 5 winners

For the 6th year of *Actors of Sustainable Paris*, the City of Paris launches a special edition: the *Parisian Eco-responsible Events Trophies*. Their purpose is to promote the organisers of the most innovative events in Paris that minimise their environmental and climate impact, in compliance with the Paris eco-responsible events Partnership Agreement. The 5 winners are:



→ *We Love Green* music festival, experimenting with sustainable development solutions in the event sector



→ *Zero Waste* citizen festival, spreading the zero waste and zero rubbish approach



→ The France Yonex - *International badminton tournament*, advocating environmental responsibility in the sports world



→ *Eco Trail Paris*, showcasing the natural and cultural heritage of Paris through eco-friendly sports events



→ *Silhouette*, festival of short films and outdoor concerts, whose associative village is committed to environmental responsibility and recycling.



4,950
registered Actors of
Sustainable Paris



8,221
Parisians took part in events
at the Actors centre (4th)



132,126
visits of the website



15,265
followers
on Facebook



4,800
followers
on Twitter



57
fact sheets encourage
Parisians to act towards
ecological transition
(compost, soft mobility, etc.)

Exemplary administration

→ For its 2nd edition, the *City Inventors* programme invites agents to suggest ideas, tools and objects to adapt their work environment and combat such problems as musculo-skeletal disorders.

→ On 21 November, as part of the *Public Innovation Week*, Paris experiences innovation at all levels with a day of exchanges and demonstrations based on the innovative projects taking place in the sector of City services.

→ The 2nd *City Start-up* call for projects helps volunteers to carry out their digital projects by using start-up business methods.

→ Launched in March 2017, the *DASES 360* project is about co-construction, collective intelligence and individual actions by the people involved. In 2018, as part of this project, 30 people took part in workshops based on the theme "Organising using collective intelligence methods".

→ The City created the Public innovation Laboratory to involve citizens in the process of co-building the civil service. In 2018, the Lab brought several players (the elderly, carers, professionals, etc.) to establish the *Accompaniment in Paris* service to help the elderly get around the city.



Paris international

→ The City launched the *Parisian Council of Europeans*. This advisory body, the only one of its kind in Europe, is open to European citizens who live in, work in or have a connection with Paris. It consists of 61 members from 28 European Union nationalities.



16 February — In partnership with the Emmaüs charity, the City collects men's clothes for migrants.

8 March — For *International Women's Day*, the City launches an action plan in favour of equality in the world of culture.

24 May — Organised at the *Grand Palais* (8th), the 2nd edition of the operation *All young people have hearts* trains 5,000 Parisian pupils in first aid.

30 June — 500,000 people march in the capital's streets for LGBT Pride. The float of the City of Paris sports the message "Paris is proud".

6 November — The *Month of the social and solidarity economy* is inaugurated with the *Social fest*, a festival organised at *Ground Control* (12th) by the association, Kawa.

19 November — For the 22nd edition of *European Disability Employment Week*, the City launches the campaign *#TousCitoyenne* to raise awareness of the world of employment regarding the situation of the women concerned.

23 November — For the 2nd year in a row, the City of Paris receives the *Orange Day* award from UN Women France for its commitment to fight violence against women.

25 November — As part of *International Day for the Elimination of Violence against Women*, the City focuses on young women through 130 events organised all over Paris (conferences, charity race, demonstrations, cinema-debates, etc.).

10 December — The 11th solidarity restaurant in Paris, "Palikao" (20th), is opened. It welcomes elderly people, people with disabilities, families with children and isolated Parisians all under one roof in a friendly setting.

11 December — Paris adopts the deliberation concerning the creation of a solidarity-based property organisation. This mechanism supervises the selling price of housing in order to avoid property speculation.

Boosting social cohesion and solidarity between territories and between generations



To build a city that is fairer and based on solidarity, the City of Paris supports the most vulnerable and/or excluded people. It assumes its duty of solidarity towards the homeless and migrants. It supports young people and the elderly through numerous schemes. Paris also pursues actions to encourage independence for people with disabilities. It resolutely fights all forms of discrimination, notably LGBT-phobias. In a spirit of collective awareness-building, the City has also stepped up its efforts towards gender equality and, more generally, against all forms of discrimination or violence.

The night of 15 to 16 February — On the first *Solidarity Night*, 2,000 Parisian volunteers (1,700 volunteers and 300 City agents) set out to count homeless people on the street.



Solidarity

Paris organises the 1st Solidarity Night to combat major exclusion

During the *Solidarity Night*, from 15 to 16 February, 1,700 parisian volunteers and 300 City agents anonymously counted homeless people in Paris. The City then took concrete measures to make up for the lack of housing observed: in particular, it enlisted areas of its municipal heritage and encouraged citizen housing. Faced with numerous volunteering requests, the City created the *Solidarity Factory* (12th), a gateway to solidarity for Parisians who want to get involved.

1,700
Parisian volunteers
grouped into
350 teams

3,035
homeless people
counted

2/3
of homeless people
are aged **25 to 54**

12%
of homeless people
are women

In 2018, the City provided the following for individuals in situations of hardship

41
day centres

120
food distribution
points

11
canteens for those
in need

9
bag storage areas

17
shower rooms

90%
of the measures
in the Parisian
Pact against
large-scale exclusion
are put in action

Since 2015, Paris has spent €30 M on refugee aid

These funds have yielded very concrete actions, led by City agents and associations: rounds of the streets, food distributions, social and medical assistance, creation of 2,500 additional emergency beds, installation of the humanitarian reception centre at *Porte de la Chapelle* (18th), which has helped over 40,000 refugees. These measures complement the government systems. Beyond these emergency aid actions, the City is developing sustainable inclusion plans in collaboration with the associative network.

4,000
additional beds in a
shelter for migrants
in Paris

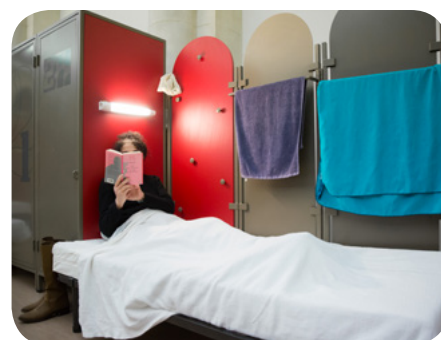
+1,000
refugees have
received help
learning French
under the *REFUG*
scheme since 2016

Parisian trophies of the social and solidarity economy announce 12 winners

These 12 promising projects share an overall budget of €115,000 and receive assistance from the City to carry out their work: finding premises, establishing partnerships, etc. Among the winners: the association *Un peu avant la source* is working to found a cooperative social supermarket in a priority neighbourhood in the 20th; *La Fabrique nomade* helps refugee artists and craftspeople to enter the French labour market; *Le Pain de la liberté* is an organic bakery with social pricing that employs women entering the labour market.



As part of the Winter Emergency Plan, 7 gymnasiums also took, in an accumulated total of 11,800 homeless people



75 homeless women receive daytime shelter, and 40 receive beds for the night at a designated area in the City Hall (4th)

11,200
permanent beds in
homeless shelters

6,200
peopled housed in
hostels in Paris

3,000
winter beds in
emergency shelters

Youths

The FamLab initiative is for young Parisians and their parents

In 2016, following extensive citizen consultations, Paris adopted a Strategy for Children and Families. This gave rise to the launch of *FamLab* in 2018. More than just a steering committee, this is an innovation incubator and think-tank for Parisian policies concerning children and families.



FamLab is made up of a junior committee of young Parisians aged 11 to 14, a committee of parents, and the associations and institutions concerned.

THE CITY SUPPORTS LOCAL EMPLOYMENT IN THE CLICHY-BATIGNOLLES ECO-DISTRICT (17th)

The certified eco-district *ZAC Clichy-Batignolles* (17th) continues its development in 2018. The district features job-creating facilities and covers a vast area of 54 ha. In July, the City contracted a Paris Pact for employment and businesses with investors, to host commercial brands and cultural establishments in the future. This Pact, to be rolled out over a 2-year period, provides for implementation of initiatives that foster local employment and help bring young people into the district.

PARIS LAUNCHES MONITORING CENTRE FOR SOCIAL DIVERSITY AND ACADEMIC SUCCESS

The purpose of this monitoring centre is to build on current knowledge about phenomena of segregation in society and at school, in order to analyse the causes and then formulate recommendations. The ultimate goal is to clarify what decisions should be taken and support the work already under way.

ALL YOUNG PEOPLE HAVE TALENT EVENT CELEBRATES THE ACHIEVEMENTS OF 400 OUTSTANDING YOUNG PARISIANS

In November, as part of the *World Children's Day* more than 400 young people between the ages of 15 and 21 entrusted to Children's Welfare or supported by its services were invited to the festive event *All young people have talent*. These young people have unique life histories and the event was an opportunity to value and encourage their achievements, whether in the fields of solidarity, at school, in sports or in the arts.

1,355
Parisians are part of the
Youth Guarantee scheme,
a support programme for
lasting employment geared to
vulnerable 18-25-year-olds

30,000
Youth Discount cards distributed
during the holiday period (access
to sports and leisure activities for
youths from 15 to 25 years of age)

Around 40,000
Youth Kiosque seats have
been issued

Seniors

Accompaniment in Paris, a new service for seniors

This system aims to encourage mobility for elderly people by fighting against isolation. It allows people above the age of 65 living alone to be accompanied, free of charge, on their everyday trips. The accompanying people are volunteers who, after training, can sign up on a dedicated application. They are informed via geo-positioning of the needs of elderly people near them.

Elderly people and people with disabilities
220,000
Parisians aged over 65 and/or disabled are
beneficiaries of the free Navigo travel pass
(dependent on financial situation)

Sport and seniors
4,000
places created in 18 arrondissements for people
over the age of 55 to take part in sports



A CONFERENCE ON AGE DISCRIMINATION

As part of the 3rd edition of the *Parisian anti-discrimination week*, the *Maison des Metallos* (11th) hosted a conference on age discrimination which drew around 200 participants together.

Disability

100% more new affordable social housing, Paris remains true to its target!

In 2017, Paris adopted a new Disability, Inclusion and Universal Access Strategy. As part of this strategy, the City carries out 200 new operations each year to make public facilities accessible to people with disabilities. In 2018, for the *Paris Disability Month*, it also reaffirmed its objective of providing 100% more new social housing accessible to people with disabilities, despite the national approval of the Housing, Development and Digitisation Reform Act, which slackens regulations concerning accessible housing in new construction.

PARIS IS TESTING OUT GUIDED PATHWAYS FOR THE VISUALLY IMPAIRED

To help visually impaired people to get around, Paris is test-driving guided pathways that feature ground-level guiding systems, detectable by foot or walking stick. In March, this innovation received a prize from CEREMA (Centre for research and expertise on risks, environment, mobility and development). The system is to be gradually deployed along all of the cities long and/or difficult pathways.

PARIS HOSTS THE 1st EUROPEAN ADAPTED SPORT GAMES

In July, Paris hosted this European competition for high-level athletes with mental or psychological disabilities. Taking place over the course of a week, at 10 different locations, the event attracted over 1,000 athletes from 20 European countries to compete in 10 different sports.

A CITY WEBSITE SPECIFICALLY DESIGNED TO HELP PEOPLE WITH DISABILITIES

Launched in summer 2018, the *handicap.paris.fr* website lists nearby services and local initiatives for people with disabilities, by means of a geolocation-based directory of associations, a map of accessible venues, a schedule of events concerning disabilities, etc.



229

City of Paris facilities (schools, nursery schools, gardens, swimming pools, etc.) rendered accessible from 2015 to 2018, at a cost of € 25.5 M

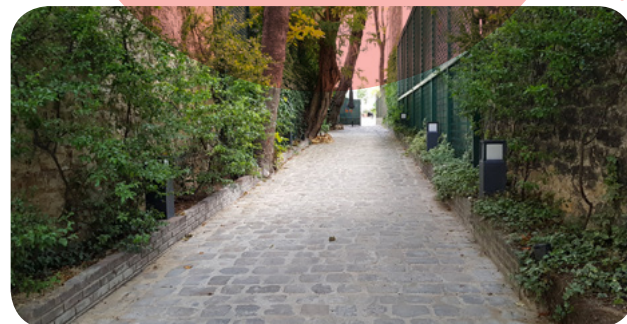
THE PARISIAN DISABILITY MONTH

The 10th edition of the *Parisian Disability Month* helps raise awareness about disabilities and foster support for people with disabilities in the City, promoting their inclusion in City life.



PARIS ENHANCES MUSEUM ACCESSIBILITY

In 2018, the Museum of Romantic Life (9th) and the Modern Art Museum (16th) underwent works to make them more accessible. The Victor Hugo House (4th) was even awarded all 4 Tourism and Disability labels, certifying accessibility suitable for people with auditive, mental, motor or visual disabilities. Lastly, a general appraisal of initiatives taken concerning disabilities was carried out across the City's museums in partnership with the *Handicap France* association.

Museum of Romantic Life (9th)

Gender equality and combating discrimination

Paris adopts new measures in favour of women's rights and gender equality

→ The City launches memorial work around the Pantheon (5th) to honour great women.

→ The City announces the creation of the Centre of Equality and Women's Rights by 2019. Located in the 6th arrondissement, this venue will be the seat of women's rights associations. It will also host information and guidance services, as well as a centre for exhibitions, debates and discussions.

→ The City is developing an action plan for gender equality in the world of culture. This plan is structured around 4 main lines: combating stereotypes, professional and wage equality, promoting women's art, assessing inequalities.

EQUALITY BETWEEN BOYS AND GIRLS IN SCHOOL PLAYGROUNDS

Issues of gender equality have been addressed as part of the work done by the City of Paris Public innovation laboratory concerning the playgrounds of the future, linked to the Oasis school playground programme. One of the main goals is to make the football pitch or ballgames area less central to school playgrounds, since these are primarily used by boys, while at the same time promoting different interactions between boys and girls.

Paris combats violence against women

In May, Paris approved 23% increase in subsidies to associations that guide and support women who are victims of violence. The City has also launched new mechanisms against domestic violence. Among them: the Protected Accompaniment Measure concerning visitation rights aims to protect children exposed to domestic violence, as well as the victimised parent; psychological trauma clinics have been opened at 8 Parisian reception centres, to diagnose psycho-traumatic disorders caused by violence, in order to provide better support for the victims.



Launched on International Day for the Elimination of Violence against Women, the Violentometer is a cardboard ruler that helps to measure the presence or threat of sexual and gender-based violence in a relationship.

THE CITY BOLSTERS WOMEN'S SPORT

In January, the *Challenge 4,000* event enabled 4,000 young Parisian women to attend a women's handball match in the run-up to European Women's Handball Championship in France. On 5 May, the 10th edition of *Women in Sport*, a day of free introduction to sports, gave Parisian women the chance to try more than 20 different sports. Lastly, another initiative called *Foot'Elles* helps girls aged 8-11 to play football, particularly in the City's priority neighbourhoods. This initiative is to be perpetuated through the creation of a women's championship for school children.

Challenge 4 000 at Halle Georges Carpentier (13th)

Foot'Elles at the Five

FOR A PARIS WITHOUT SEXIST ADS

Held on 27 June with 4 partner associations, this conference helped to uncover sexist stereotypes in advertising. At the end of the meeting, participating companies, agencies and advertisers approved a joint statement whereby they committed to abstain from creating and disseminating this type of advertising.

Paris hosts the 10th edition of the Gay Games

THE CITY DEPLOYS AN ACTION PLAN TO FIGHT LGBT-PHOBIA

In November, the City presented a plan with 32 measures and a budget of €100,000 to effectively combat LGBT-phobias and raise awareness of the underlying mechanisms of intolerance, discrimination and violence.

From 4 to 12 August, Paris hosted the 10th edition of the Gay Games, a major international sporting event, festive and open to all, promoting diversity. 300,000 people gathered to watch 12,700 competitors from 70 different countries battle it out at various events. A total of 36 sporting events were organized at more than 20 venues, including several City facilities, thanks to the involvement of volunteers and professionals.



Paris international

For the 70th anniversary of the Universal Declaration of Human Rights:

→ To kick off this anniversary year, the city received the United Nations human rights commissioner at the *Palais de Chaillot* (16th), where the declaration was signed in 1948. A great many international human rights organisations attended.

→ The City has allocated €260,000 in emergency aid to help victims of two of the worst humanitarian crises in the world today: Yemen and Rohingya refugees in Bangladesh.

→ The City has awarded Honorary Citizenship to Ukrainian filmmaker Oleg Sentsov, a pro-European activist jailed for opposing the annexation of Crimea by Russian special forces, and Nabeel Rajab, deputy secretary general of the International Federation for Human Rights, jailed in Bahrain after denouncing his country's participation in the war in Yemen.

Paris est fier-e de défendre l'égalité des droits



Soutien aux associations et à la Marche des fiertés



Soutien à la cérémonie des Out d'Or qui récompense les médias qui luttent contre les clichés autour de la communauté LGBTQI+



Soutien à l'inclusion des seniors, réfugiés et jeunes exclus LGBTQI+

#PARISESTFIERE #LGBTQI+ #LGBT #EGALITEDES Droits

Exemplary administration

→ On 1 February, the City signed the 4th Triennial Convention for the professional inclusion and retention of employees with disabilities.

→ In February, 300 city volunteers participated in the 1st *Solidarity Night*.

→ The city has applied to AFNOR (i.e. French Standardization Association) for a standardisation label that recognises policies of *Gender equality at work* and *Diversity* in the field of human resources.

Regarding the City's public contracts:



€2.3 M

allocated to employment of people with disabilities

€1.6 M

for labour market integration systems



The City employs

3,426

employees with disabilities, amounting to 6.3% of its workforce



400

young volunteers join the civic service in the Paris administration



13,525

aid packages allocated to families in need to combat energy insecurity, amounting to a total of €2.75 M

The city promotes social and professional integration:



369

contracts include a socio-professional insertion clause



486,559

hours of work were generated (equivalent to 302 full-time contracts)



The Metropolis of Greater Paris

The Metropolitan Plan for development consistency is under way

The Metropolis of Greater Paris is currently working on the establishment of a Plan for development consistency (SCoT in French), a document that sets out a vision for the future development of the region over the next 15 to 20 years. Invited by the Metropolis, the City of Paris contributed to this project, putting forward action plans based on 2 areas that fundamentally affect both the residents' quality of life and the attractiveness of the region, namely the "right to the city" and ecological transition. No matter where they live, residents of the Metropolis should indeed be able to enjoy the same quality of life and access to public services and urban facilities. The SCoT also takes on the challenge of further developing the green and blue corridors in terms of their landscaping, ecological and recreational vocations on the scale of the Metropolis.



Launch of an international call for tenders on the future of urban roadways in Greater Paris

Under the steersage of the Metropolitan forum of Greater Paris, a mixed syndicate that includes 156 local government authorities, this call for tenders, launched in May, aims to select 4 multidisciplinary teams to provide solutions to improve network operation, reduce disturbances caused by motorway traffic and better integrate urban motorways into the environment. Several consultation procedures are scheduled throughout the process, to engage local citizens and all those involved (chosen representatives, users, economic players, etc.). Over 20 proposals have been received in total, submitted by international architecture, urban planning and landscaping teams. **4 teams will be selected and an exhibition held in 2019 at Pavillon de l'Arsenal (4th) and in a number of towns in the Metropolis.**



The cooperation Pact for the resilience of territories carves out a common future for urban and rural areas

Towns, big cities and rural regions are inter-connected. That's why the City, the Metropolis of Greater Paris and the Association of rural councils in France have entered into a new collaboration to achieve resilience and ecological transition, via a Pact of territorial cooperation for the resilience of territories. The first pilot initiatives have been launched, concerning energy transition, sustainable food and short channels, along with new work spaces and work uses (promoting rural regions for Parisian businesses, setting up coworking centres in rural villages, etc.).



5 February – The City launches the 2nd edition of the *Paris-Countryside Solidarity* call for projects and selects 7 projects that reinvent the links between Paris and the rural areas.

March – After a test phase involving 110,000 residents in the 2nd and 12th arrondissements, the collection of food waste expands to large municipal producers: 95 restaurants in the City and 8 indoor markets.

19 March – The 4th edition of the *Focus on circular economy* call for projects narrows in on two topics: guidelines to reduce the use of disposable containers and education to spread good practices.

4 May – The Paris Sustainable Food Plan is adopted following extensive consultation involving 600 professionals.

9 June – The *Clean Up Day* invites Parisians to clean up the public space.

3 July – The City of Paris and the developer Soreqa, specialists in the remediation of substandard housing, sign a Charter on circular economy to reduce waste production.

27 August – The Real Estate Board of the City of Paris launches a call for projects for the *Metropole 19* industrial estate (19th), to host locally-manufactured industrial and craft activities.

22 September – The City launches the 1st *Zero-waste families* challenge: assisted by the Paris Climate Agency, 30 families try to cut their production of household waste by at least 10% in 3 months.

16 October – The City raises awareness about food waste with a bread waste-o-meter at several of its establishments, for instance at the *Alice Prin EHPAD* (14th).

16 November – The 2nd roadmap of the Paris Circular Economy Plan is adopted.

26 November – Launched by the City, the *Responsible consumption* call for projects aims to facilitate universal access to high-quality, ethical products, that respect people and the environment.

27 November – The *Deux Rives* neighbourhood (12th and 13th), the City's first business district dedicated to the circular economy, and the renovation of the house *Les Canaux* (19th) receive Territoria awards (annual awards granted by the Observatory of Public Innovation for innovative and exemplary works that can be replicated in other regions).

Promoting responsible production and consumption methods, and developing the circular economy

Paris is pursuing its commitment to promote the circular economy in the region, an economy with a low impact on the environment, bringing innovation, jobs and collective intelligence. The City is developing various initiatives to advance towards this goal and take concrete action on the zero-waste approach to which it is committed: fighting against food wastage, developing sustainable food, providing new clean environmental solutions (solar-powered compacting bins, electric vehicles), etc. In addition, the capital is encouraging new forms of responsible production and consumption, such as the *Made in Paris* label, the *Paris fabrik* call for projects and the growth of shops selling unpackaged goods. The City also strives to set an example in the way it runs its services, demonstrating the principles of reuse, recycling and worker training, and, all the while, inviting residents to take part.

8 December – The *Zero waste street*, on *Rue de Paradis* (10th), is trialled for one year with shopkeepers and residents.








Tuesday tupperware Operation at Manicaretti restaurant, Rue de Paradis (10th)

Circular economy

The 2nd roadmap of the Circular Economy Plan is adopted

Approved at the Paris Council in November 2018, this 2nd roadmap includes 5 new topics, including culture, events and education. 15 new actions have been set out to bolster the programme launched according to the previous roadmap, with the aim of promoting the circular economy and raising public awareness of good practices throughout the capital. To make the City exemplary in the way its services operate, a number of initiatives are in place: sensible digitisation, reuse, reduction of the use of plastics, training workers in circular economy systems, etc.



-  **4** new reuse venues open in Paris (20 existing venues in total)
-  **97** initiatives for responsible consumption backed by the City since 2014 (consumer cooperatives, shops selling unpackaged goods, etc.)
-  **15** recycling plants in operation
-  **18** start-ups selected in 2018 at the Circular Economy Incubator
-  **66,477** jobs generated by the circular economy in Paris, representing a revenue of €7 Billion (2018 survey, indicators for the year 2016)

SOCIAL HOUSING PROVIDERS ENGAGE IN THE CIRCULAR ECONOMY

Paris Habitat is committed to the European project *Circular housing asset renovation & management* that aims to develop and implement guidelines (mapping the players involved, setting out lists of materials and technical solutions, etc.) to foster a public purchasing strategy for social housing providers. This will involve creating and implementing platforms to trade building materials and construction components in the sector of social housing rentals. The City of Paris is involved as an observer to spread the use of good practices among Parisian social housing providers.



The Paris fabrik call for projects announces 15 winners

Paris fabrik is a new City scheme that provides training in the fields of ecological transition, collaborative economy, and also manufacturing and repair using new technologies. In July, this call for projects selected 15 winners in the fields of digital manufacturing, bicycle trades, waste management, urban agriculture and crafts. 422 training places are financed under the scheme, with the City's backing.

270 craftspeople are awarded the 2nd edition of the Made in Paris label

In 2017, the City created this quality label to certify excellence and diversity in Parisian crafts, for both residents and tourists. The 2018 edition unites 270 craftspeople and creators from various sectors: fashion and accessories, household goods, food crafts, manufactured products, innovation. Parisians were involved in the process by voting for their favourites. 15 craftspeople received a financial contribution.



The big winner is the *Laiterie de Paris* (18th) with its "Saint-Félicien" cheese

Zero-waste strategy

The City of Paris signs a charter of commitment to reduce waste in school canteens

Adopted in 2015, the Plan to combat food wastage includes steps to raise public awareness from an early age. In October 2018, for the *National Day Against Food Wastage*, the City signed a charter of commitment with schools in 3 volunteering districts (9th, 10th and 11th) that sets out general objectives and specific series of actions: information to children and parents (visits to the kitchen, workshops, posters, etc.); better management of orders and quantities; redistribution of surpluses in partnership with specialised associations.

The City of Paris and the household goods industry sign a Charter for better waste management


At present, only 20% of waste produced by Paris households is recycled. That's why, on 18 June, the City signed a Waste Management Charter with 10 social housing providers, property managers and related service providers. The charter sets out a partnership-based approach, defining objectives, mutual commitments and a series of actions aimed at simplifying the sorting process within buildings. Amongst other things, this entails dissemination of information to the inhabitants, updating sorting instructions, optimising collection bins, training caretakers of buildings, encouraging composting and setting up temporary recycling stations. The charter is a new framework, one that will gradually be expanded to other sectors and entities.

A ZERO-WASTE STREET...
RUE DE PARADIS (10th)

In December, the town hall of the 10th arrondissement launched the *Zero-waste Street* project on a street deliberately chosen for being densely populated, full of diversity and short of public space. The goal: to carry out a one-year experiment on procedures of waste reduction and recovery, on a one-street scale as a step towards zero waste, in keeping with the City's Zero-waste Strategy.

30 PARISIAN FAMILIES
TAKE ON THE ZERO-WASTE
FAMILIES CHALLENGE

In partnership with the Paris Climate Agency, the City of Paris supported the 1st edition of the Zero-Waste families challenge launched in September 2018. Over a period of 3 months, 30 motivated Parisian families were assisted to reduce their weight of household waste. Waste was systematically weighed over a 3-month period, and an overall waste reduction of 25% was measured.

-  **700** composting sites in operation (housing and public buildings) at the end of 2018
-  **20** neighbourhood compost bins in operation at end of 2018
-  **97,356** Christmas trees collected and recycled, equal to about 1,920 m³ of shredded material
-  **+ 13,800 tonnes** of additional household packaging were sorted in 2018 as compared to 2014
-  **85%** of household waste collection trucks are powered by natural gas (CNG) or bio-CNG
-  **1,673** new vermicomposters distributed to households
-  **40** Trilib' stations
-  **67** tonnes of cardboard saved in 2018 in community catering (food delivered in reusable plastic boxes)
-  **3,146** tonnes of food waste were collected and processed in 2018 i.e. 3 times more than in 2016



Sustainable food

Paris adopts a Sustainable Food Strategy:
Paris on a plate

This strategy, established following a consultation process involving 600 professionals, focuses on the entire food ecosystem of Paris: consumers, professional and associative players, scientific and institutional entities, etc. *Paris on a plate* consists of 40 actions, structured around 4 main areas of priority:

- universal access to sustainable food
- building up food autonomy and resilience
- avoiding food wastage and waste
- networking all those involved.

PRODUCTS FROM ORGANIC AND SUSTAINABLE AGRICULTURE MAKE UP 85.3% OF CHILDREN'S FOOD AT PARIS NURSERY SCHOOLS

Paris is the first community in France to provide 100% organic infant formula in nursery schools. No additives, colorants, hydrogenated fats, palm oil, sweeteners or GMOs are found on children's plates, and much of the food is fresh, seasonal produce. The City has once again earned certification for all its commitments under the Ecocert label, at the highest level.

5 GROCERY STORES SELLING 100% UNPACKAGED GOODS OPEN IN PARIS

A call for projects was launched in January as an incentive to sell unpackaged goods in Paris. On top of reducing general waste, selling unpackaged goods helps combat food waste by allowing people to buy the exact quantities they need. 5 shop projects were chosen, to be set up in the 3rd, 14th, 18th, 19th and 20th arrondissements of the capital.

A cleaner Paris

The City strengthens its cleaning systems

Following adoption of the Cleanliness Improvement Plan in 2016, 7 citizens' conferences were held to gather suggestions from residents on how to improve existing systems; a Fact-finding and assessment unit was also created, forming a taskforce of elected representatives to examine the cleanliness policy. The City has taken new measures, such as the creation of Citizen Committees in each arrondissement, tasked with keeping a cleanliness watch; the implementation of the *Everyone in action* scheme in neighbourhoods experiencing significant disruption of public space; the deployment of new street garbage bins; and the increase in provision of public toilets, etc.

Paris invites all citizens to clean up the public space

The *Together, Make Paris Cleaner* campaign provides citizens with various levers of action: good resolutions to share via social media, reporting problems via the *InMyStreet* app, organisation of clean-up days, etc. To assist these efforts, "emergency cleanliness" teams have been deployed across 9 territorial cleanliness divisions, to be extended to all of Paris in 2019.



Paris is the leading public purchaser of products from organic farming in France



46.7% of sustainable food products are served in municipal canteens, with a total of 40.1% of products from organic farming



85.3% of sustainable food products are served in nursery schools in Paris, with 76.7% of products from organic farming



48% of sustainable food products are served in school canteens, with 41.2% of products from organic farming



185 tonnes of organic waste collected between March and December from 13 community restaurants



PARIS EXPERIMENTS WITH 42 SOLAR-POWERED COMPACTING BINS

These new bins can compact up to 600 litres of waste, 5 times more than the capacity of a conventional street bin. Building on this positive result for the cleanliness of public space, the City will deploy approximately 250 new units in 2019.



84 agents work 7 afternoons a week to deal with hot spots of uncleanness



€31 M allocated to the renewal of cleaning equipment



90% of the fleet of city cleaning machines replaced due to the appearance of alternatives to diesel on the market



New electrical equipment for daily tasks: street micro-vacuum sweepers, blowers and trimmers, leaf extractors, etc.

Exemplary administration

→ The City of Paris is the 1st French community to financially support exemplary work in the circular economy. It is based on the "Circular Economy" profile of the French Habitat HQE standard, the 1st certification to incorporate all areas of the circular economy in the construction/demolition sector. The dynamic is set in motion with at least 3 projects that will benefit.

→ The City reinforces the clauses of its procurement contracts in favour of reusing and recycling waste on deconstruction and demolition sites.

→ The City initiated a training cycle for employees to raise awareness on reusing and recycling in the construction sector.

→ The City adopted gradual removal of single-use plastic straws in its services and during its events.

→ The City rolls out an open source electronic management system (Alfresco) for municipal records to accompany digitisation of its documents and to therefore reduce its paper use. Following deployment of mail management software (Elise), the City continues to digitise urban planning permits which generate high amounts of printing and photocopies.

→ The City takes part in funding the open source "Open ENT" software. It equips the ENT (i.e. Digital workspace) called "*Paris classe numérique*", used in Parisian high schools and currently being rolled out in primary schools. All of the developments made can be used free of charge by the entire community, i.e. around 10 entities. It represents over 3 million users, of which 1 million pupils.

→ The City extends the lifespan of its computing equipment by performing updates and replacing components that are no longer suitable, such as hard drives on computers. In addition, the adoption of new ranges of computers reduces consumption from 210 W to 65 W, i.e. nearly 70%.



68 % of cross-disciplinary contracts have an environmental dimension (56% in 2017)



2,241 tyres collected from local garages and re-used (excluding heavy goods vehicles)



40.5 tonnes of waste collected from workshops, **44%** of which was used for energy recovery and **56%** for material recovery

In 2018



43.3% of procurement contracts incorporate circular economy clauses, compared to 30.2% in 2017



Office furniture expenditure falls by **22%** between 2015 and 2018



10,000 trees/year
This is the equivalent to what the City saves by centralising printing. Thanks to a proactive policy of lowering its carbon footprint by 30%, there has been a significant drop in the number of reams of paper used since 2015. What's more, the badge-based printing system currently being implemented aims to reduce this by another 10%



100% recycled paper



100% organic and fair-trade clothes for agents



Re-use

2,200 items of municipal furniture (including 1,600 from the Morland site (4th)) have been re-used



4.5 tonnes of used work clothes have been collected for recycling



Paris international

→ As the 2017 European Capital of Innovation, designated by the European Commission, Paris hosted the Fab City Summit in July: an international meeting of cities engaged in local production through the use of new technologies.

→ Paris creates the Organic Cities Network Europe with other European cities to promote organic agriculture and food in the contract catering sector.

→ The City of Paris is collaborating with the United Nations World Food Program to develop school food programmes in poor or developing countries.

→ As part of the C40, Paris and 22 cities and regions around the world signed a joint declaration on the zero-waste goal. These communities commit to reduce per capita waste generation by at least 15% by 2030. The amount of municipal solid waste landfilled or incinerated must also drop by at least 50%. The signatories also undertake to increase the proportion of waste recovered before landfilling to at least 70%.



Conclusion

To deal with the ecological emergency, Paris, along with all public and private stakeholders in its territory, continued large-scale mobilisation and involvement in 2018 by deploying major environmental strategies, with the adoption of the **Climate, Air and Energy Action Plan**, the **Paris Rain Plan**, the **Biodiversity Plan**, the **2nd roadmap of the Circular Economy Plan** and the **Paris Food Strategy**. These schemes consolidate the City's wide-ranging vision, represented in the plan diagram below.

At the same time, on a daily basis, Paris is multiplying initiatives in favour of the ecological transition through the development of its public transport range and **soft and shared forms of transport**, getting residents involved in **greening** public areas, encouraging urban agriculture and redefining the place of animals in the capital. Paris is also developing new forms of **citizen participation**. It is multiplying actions to encourage the autonomy of people with disabilities and to fight against exclusion and all forms of discrimination and violence. The City is continuing its promotion of the **circular economy** and sustainable food, and is developing a variety of initiatives to achieve the zero waste trajectory to which it has committed.

Lastly, Paris aspires to organise the first sustainable, socially inclusive and supportive **Olympic and Paralympic Games** in history, the legacy of which will benefit all Parisians.

Masthead

**Presentation to Paris City Council,
November 2019**

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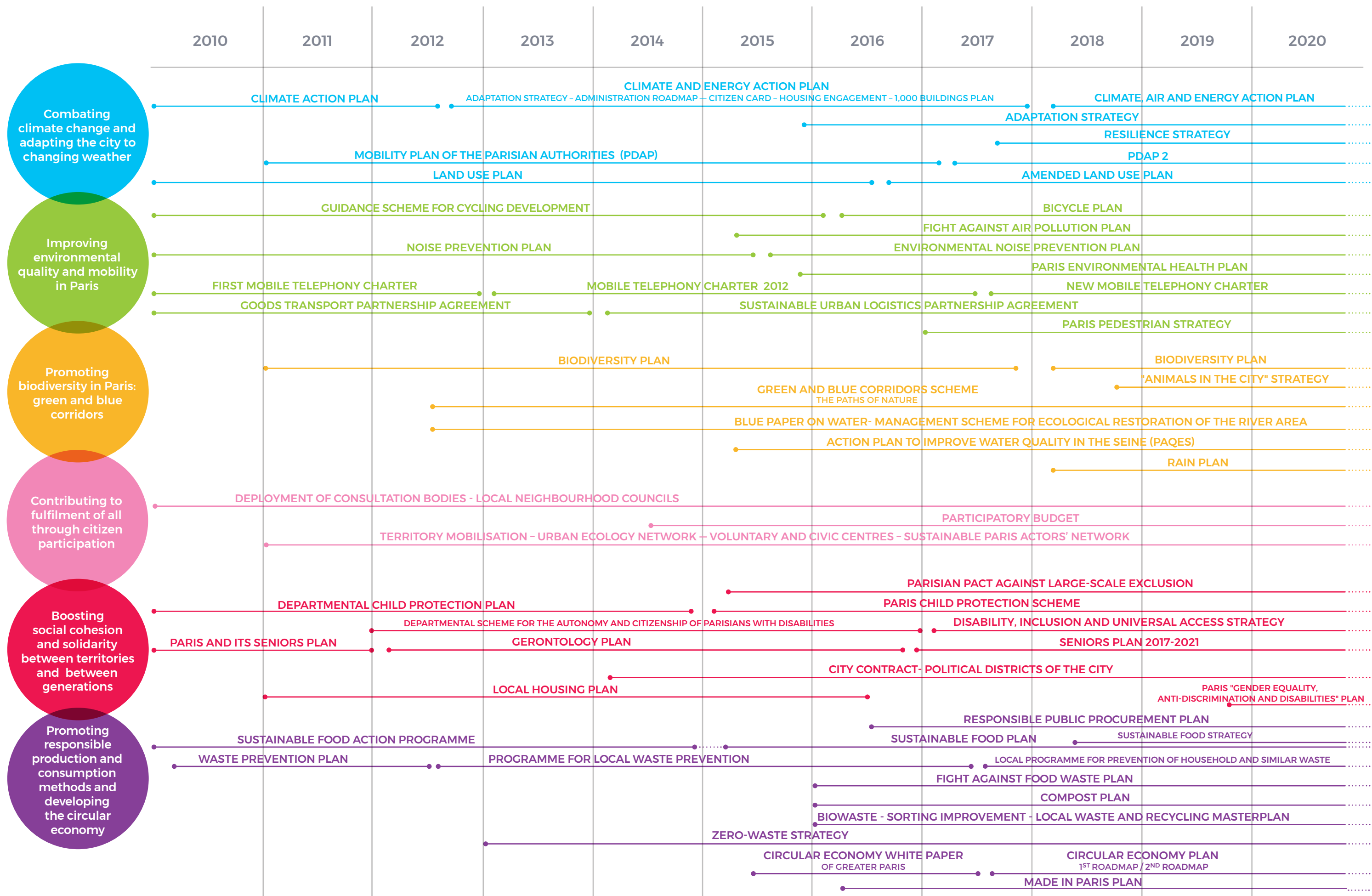
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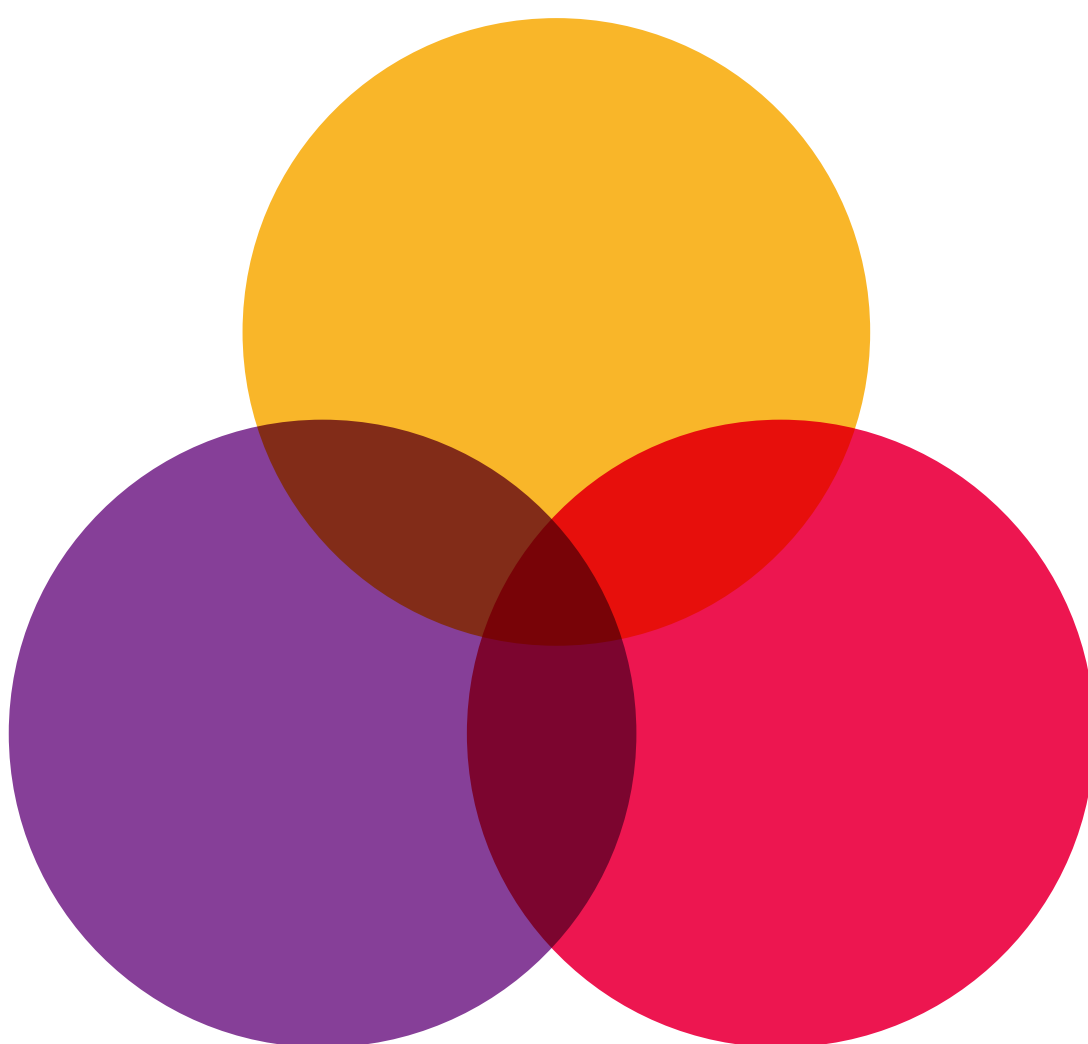
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Adapting Paris to the challenges of the 21st century





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