

Paris City Challenge 2018

23rd, 24th and 25th of April 2018

École des Ingénieurs de la Ville de Paris - EIVP
80 rue Rébéval - 75019 Paris

CHALLENGE N°1

**Towards modes of transport that improve
climate and air quality; innovative solutions
for a sustainable mobility**

**Have you developed an innovative solution
meeting the above challenge ?**

The **City of Paris** and the **Ecole des Ingénieurs de la Ville de Paris** (EIVP, Engineering School of the City of Paris) invite you to apply for the first Paris City Challenge initiated by **Climate-KIC**.

The selected solutions will be presented to the representatives of the City of Paris and of its partners as well as to the Ile-de-France communities. An opportunity for you to promote your ideas, to challenge them in relation with the public policies and exchange on the challenge of sustainable mobility.

DEADLINE FOR SUBMISSION OF APPLICATIONS : MARCH 1ST 2018

Information and application

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Application form to be downloaded from

<http://www.eivp-paris.fr/index.php/Paris+City+Challenge?idpage=601&idmetacontenu=3005>

Climate-KIC page dedicated to the Paris City Challenge

<http://www.climate-kic.org/news/eit-climate-kic-eivp-launch-paris-city-challenges/>

Paris City Challenge

The implementation of the new Climate, Air, Energy Local Plans, is a crucial issue for the City of Paris as for all the French local authorities. The objective of the Paris City Challenge is to support the City of Paris in this process, particularly on the theme of sustainable and active mobility.

Within the frame of the **Paris City Challenge**, in addition to this challenge **Challenge n°1**: Towards modes of transport that improve the climate and air quality; innovative solutions for a sustainable mobility, the City of Paris, EIVP and Climate-KIC also launch two other challenges:

- **Challenge n°2** : Local production of renewable energies and recovery («EnR2»)
- **Challenge n°3** : Adaptation to climate change in Paris: innovative ways to manage heatwaves and reduce the urban heat island effect

The **Paris City Challenge** will take place from the 23rd to the 25th of April 2018 in the premises of EIVP in Paris. It is an exchange event organized by EIVP and the City of Paris initiated by Climate-KIC. Companies and research organizations, interested by these challenges, can send their innovative solutions related to the proposed challenges. A selection committee will select the solutions that best meet the needs of the City of Paris. The bearers of these solutions will be invited to come and present them during the Paris City Challenge, which will be held in the premises of EIVP. They will thus have the opportunity to present their innovative solutions to the City of Paris, to its partners and to communities of the Ile-de-France region, and to exchange with them.

The auditioned solutions will be able to be sources of inspiration for the City of Paris for the launch of new calls to experimentation or the preparation of specifications of calls for tenders. This could be the beginning of a strong link between you, EIVP and the City of Paris for a future cooperation!

The mobility sector

- Sector with the **highest GHG emissions share** (12 million tCO₂e in 2009)
- **4 million trips** between Paris and its urban area realized every day
- Main objective between 2001 and 2020: **60% reduction of the GHG emissions** due to intra-Parisian trips and 35% reduction for all the other trips in the Parisian agglomeration
- Launch of a **voluntary policy** in order to define a new mobility strategy for the capital
- Between 2001 and 2011: the equivalent of 2,200 million vehicles.km saved thanks to the City of Paris mobility policy - 20 million euros of expenses saved in fuel costs - **40% reduction of the GHG emissions**

Implementation of the Paris Climate Plans

- 700 km of cycling paths
- 1,000 charging stations for the electric vehicles
- 8,000 Autolib' rentals (shared electric cars) on average per day
- 95,000 Vélib' trips (shared bicycles) on average per day

The context

Paris is one of the pioneering cities in the fight against climate change (CC) at the global level. The first Climate Plan of Paris was adopted in 2007. It already included a vast action plan in various fields: transport, buildings, urban planning, energy, food, waste management, adaptation, etc. Within the frame of a «Factor 4» approach aiming to reduce greenhouse gas (GHG) emissions by 75% in 2050 compared to 2004, Paris has set targets for 2020 compared to 2004: GHG emissions reduction by 25%, reduction of the energy consumption by 25%, integration of 25% of renewable and recovered energies in its overall energy consumption, adaptation to climate change. These objectives are increased to 30% for the real estate, the municipal park and the activities of the City of Paris within its own jurisdiction (administration). Five years later, in 2012, Paris updated its plan in order to take into account social, economic, technical, environmental and legal progress.

At the occasion of the COP21 and within the frame of the dynamics driven by the Paris agreement, the City of Paris has committed to become carbon neutral by 2050 while developing a 100% renewable energies model. To achieve this ambition, the City of Paris has adopted a new **Climate, Air and Energy Action Plan** allowing to reduce local carbon emissions of the territory by 100% by 2050.

- SAVE THE DATE ! -
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in the premises of EIVP - 80 rue Rébéval - 75019 Paris

Achievements of the mobility sector between 2004 and 2014

- 30% reduction of the vehicles traffic
- **40% reduction of the GHG emissions**
- 50% reduction of the NO_x emissions
- 70% reduction of the COVNM emissions
- 50% reduction of the fine particles emissions
- Share of 52% of Parisians' walking trips

Contribution to the mitigation of climate change of the mobility sector

- Reduction of the car use
- Reduction of expenditures related to fuels
- Reduction of harmful emissions to health (air quality improvement)
- Increased use of improved public transport
- Increased pedestrian mobility
- Improvement of the urban logistics