

DATA CITY

- BY NUMA -

[Press Kit 2018]

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DataCity is an open innovation program aiming to solve the cities' issues using data and technology.

Building smart collaborations between the public and private sector, DataCity brings together corporations, startups and local authorities to co-design and implement solutions for more inclusive and liveable cities.



Over a 6 month program, the participants go from a challenge definition phase to the co-creation of concrete tech solutions, designed to solve main cities' challenges for a sustainable future.



Cities are the cause, the biggest victim and the best hope we have globally when we think about climate change. At the same time, plenty of citizens, startups and large companies are poised to tackle or already tackling this global, all-encompassing issue. They are the living proof that Government and Public Institutions cannot provide all of the answers. This is the reason NUMA decided to focus its efforts and its ecosystem on solving the global problems of 2030, including climate Change. With this mission in mind, I challenged stakeholders of the urban ecosystem to make tomorrow's cities today's reality!



A smart city is often pictured as a futuristic or virtual city; through DataCity, we demonstrate that the smart city may already be our daily lives. In a few short weeks, the program succeeded in finding solutions to challenges in the fields of energy, logistics, mobility and urban development. These solutions are the result of NUMA's methodology: start small, experiment under real conditions, learn and iterate fast. DataCity Paris is proof that shaping the future does indeed begin today.

Building on these success stories, NUMA is expanding DataCity internationally. With a track record in Paris and Casablanca, I am very pleased to announce the international launch of DataCity: the largest open-innovation program for tomorrow's cities, led by NUMA, in partnership with C40!

Marie Vorgan Le Barzic, CEO, NUMA

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DataCity around
the world

< Program Locations >





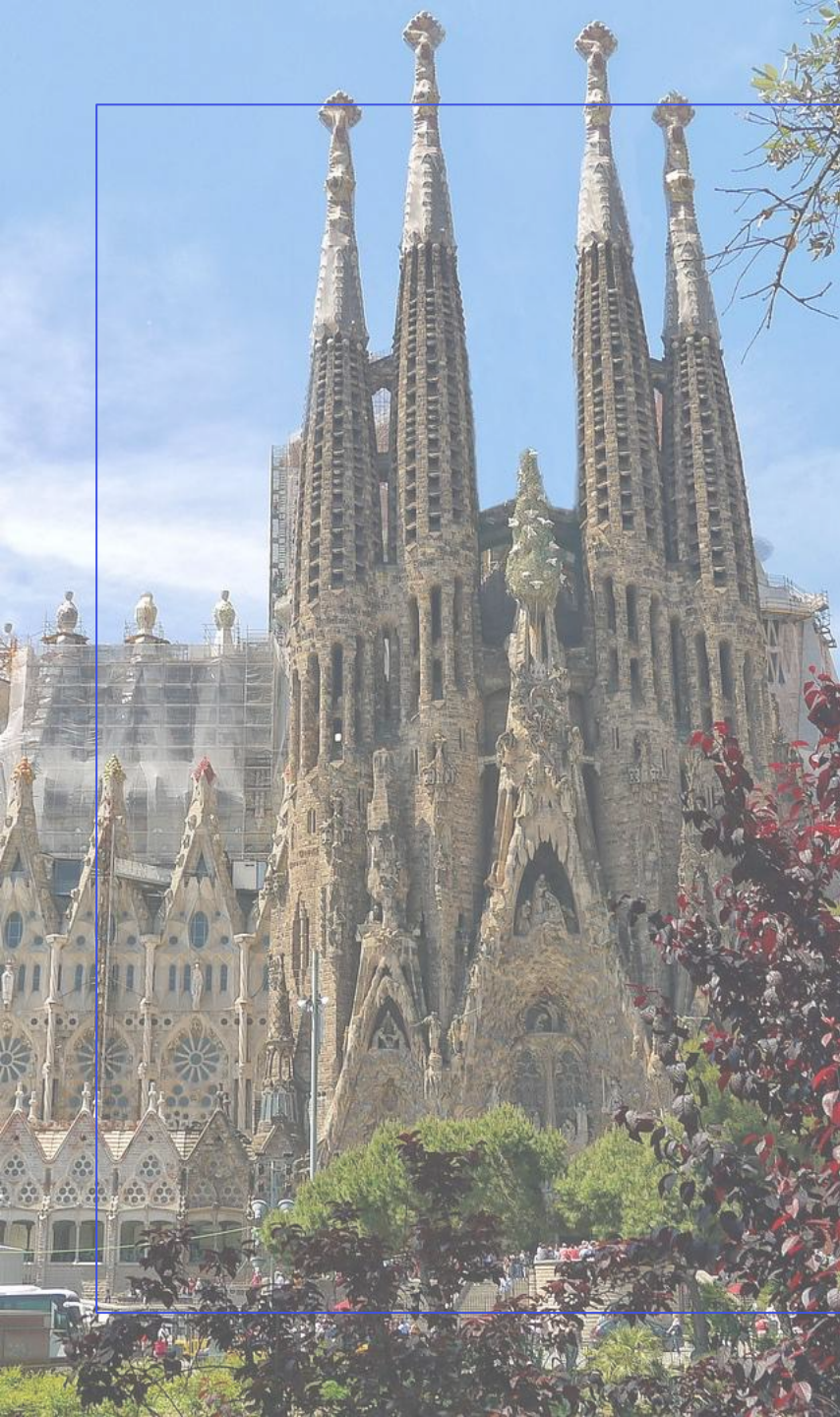
New City - **Berlin**



Initiatives like the DataCity program bring together the right actors, including those in urban society, in an agile way. Together we will develop answers to urgent questions about our growing city. A cooperation of experts in an open co-creation process advances the energy and mobility transition.

Ramona Pop, Senator for Economics,
Energy and Public Enterprises, @Berlin
Senate





New City - **Barcelona**



DataCity must enhance Barcelona's vision of data as a common good. Data can be seen as a city common infrastructure, an enabler by social and economic actors, from where to solve City challenges

Francesca Bria – Chief Technology and
Digital Innovation Officer, Barcelona
City Council



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The
Program

< Program Milestones >

Launch of Data Shaker, a 3 months program designed with SNCF to support innovative projects from employees, citizens and startups

2013

With a solid track record, NUMA won the call for tender initiated by Paris City to run an open innovation program on smart city topics. **DataCity is born**

2015

DataCity starts its international expansion with **Casablanca**

2017

2014

NUMA launches a 6 months initiative with AFP (French news agency) to identify new opportunities and build prototypes with startups and media actors

2016

Paris starts its
2nd edition

2018

DataCity aims for greater impact onboarding more cities worldwide and runs the program in Berlin and Barcelona in addition to Paris

< Urban issues covered by DataCity >



**URBAN
PLANNING**



SECURITY



**QUALITY
OF LIFE**



**LOCAL
ECONOMY**



ENERGY

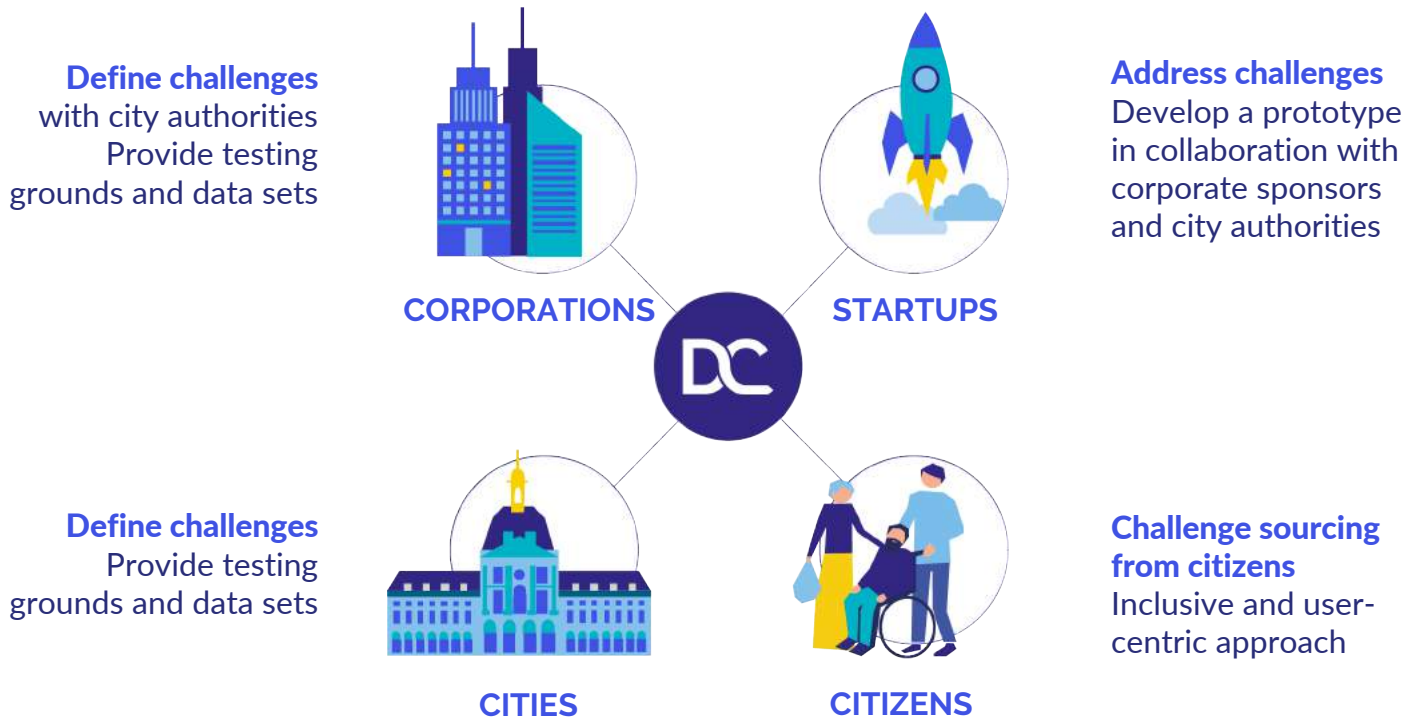


**MOBILITY &
TRANSPORTATION**



ENVIRONMENT

< Program Stakeholders >



The success of the collaboration lies in the ability of the program to align each stakeholder's interests and create value for everyone.

< 9 Months Program >

Form problem definition to a viable solution

Use a multi-partner approach to accelerate innovation

Focus on solving concrete problems validated by cities

Be user-centric

Use time-boxing to accelerate prototyping and time-to-market

Obtain concrete results and references in 6 months

DEFINE

Define challenges with corporate sponsors and local governments to be addressed by startups

SELECT

Select the best international and local startups

EXPERIMENT

Field experimentation with startups, sponsors and local governments

ACCELERATE & SCALE

Launch and accelerate the business model to solve the challenge internationally

CASE STUDY #1

> Street Lighting

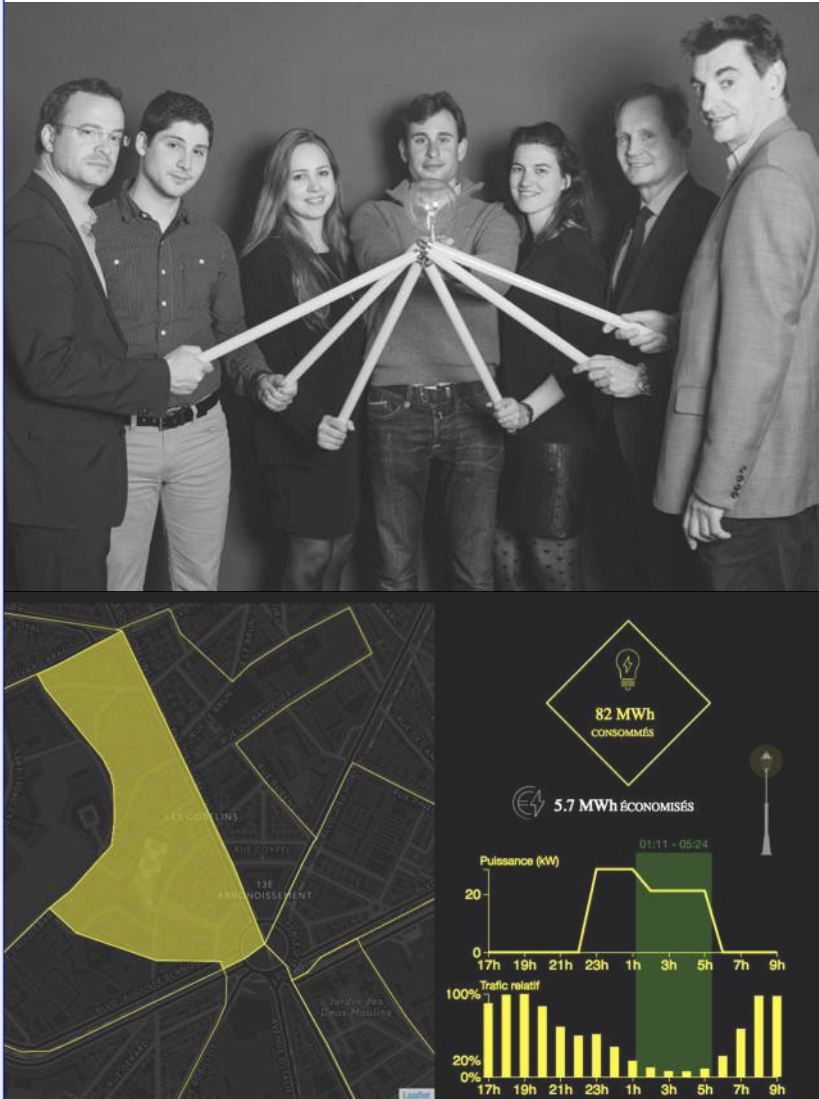
Challenge

How to provide intelligent lighting in the street of Paris by analysing urban travel data ?

Quantmetry teamed up with Dataiku to model urban travels at night, crossing anonymised and aggregated data from SFR's mobile network, and urban streets and travel data coming from the open database of the city of Paris. They demonstrated the possibility to adapt street lighting according to urban travels. A web app was developed, to enable the visualisation of off-peak times when the lights can be dimmed, as well as cost and energy savings related to the dimming.

Impact and results

Savings ranging from 3% to 10% on the city's annual electricity bill for street lighting representing on average 1 million euros per year. Scalable to the 199,000 street lights in Paris and to any street light system in the world using mobile data, without installing any specific sensors or equipment



CASE STUDY #2

> Waste Collection

Challenge

How to notify users, building caretakers and companies handling waste bins exactly when the waste collection truck will be coming by?

Craft.ai used its artificial intelligence models to learn from these millions of data and forecasts waste collection times at each address. SUEZ's platform Monservedechets.com was then used to register the end user's forecasted collection times and send sms notifications in case of any delays. The solution and text message notification services have been experimented in the 14th arrondissement and adopted by dozens of beta users.

Impact and results

All bins are now equipped with a microchip that records the exact waste collection times. The solution proved the prediction interval to be reduced to 2 hours with a 95% certainty instead of an average 4 hour interval



Merci d'indiquer votre adresse :

Paris AVENUE COLONEL HENRI ROL-TANGUY 3

	Bac vert Ordures ménagères Toute la semaine à 11:00	Déchets acceptés <ul style="list-style-type: none">Ampoules à filament, halogènesPots, gobelets et barquettes en plastiquesBarquette en polystyrène
	Bac jaune Emballages ménagers et papiers Le Mercredi à 07:40	Déchets acceptés <ul style="list-style-type: none">Aérosols (vides) en acier ou aluminiumBarquettes en aluminiumBoîte de conserve et canette

Alertez-moi

Inscrivez-vous pour recevoir une alerte chaque jour avant la collecte, une fois collecté ou en cas de perturbation. Sélectionnez le (ou les) type(s) d'alerte(s) que vous souhaitez recevoir :

☐ 30 min. avant l'arrivée du camion ☐ Une fois collecté ☐ En cas de perturbation

Téléphone mobile Ou Email

Les informations enregistrées dans ce formulaire serviront uniquement au service Infos et Alertes, conformément à des DGS contractuelles.



Our Partners

Corporate Partners



Technical Partners



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About NUMA

< About NUMA Worlds >

80+
Innovation
programs

300+
Startups
accelerated
worldwide

350+
Mentors
& experts
worldwide

180+
Employees
worldwide



2000

Creation
of Silicon Sentier
1ST entrepreneurs
association

2011

Creation of
Le Camping
1ST startup
accelerator
in France

2013

Creation of NUMA
1ST open innovation
program

2015

Creation of
NUMA SAS
with crowdquity

2015

NUMA opens
in Bangalore,
Moscow

2016

NUMA opens
in Casablanca,
Mexico, Barcelona

2017

NUMA opens
in NYC,
Berlin



DataCity is an open innovation program designed and owned by NUMA, the leading french innovation network operating for more than 15 years in Paris and around the world.

NUMA's mission is to empower tech entrepreneurs to solve the global challenges of 2030. NUMA helps entrepreneurs, corporations, institutions and communities through trainings, events, acceleration programs and innovation hubs around the world.

Now present in 8 countries, NUMA extends its model to different horizons where digital entrepreneurship is booming, offering programs such as DataCity to local startups and corporations.

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[QUESTIONS & INQUIRIES]

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