

# From Paris to Grand Paris Why Metropolis will be Smarter than Cities

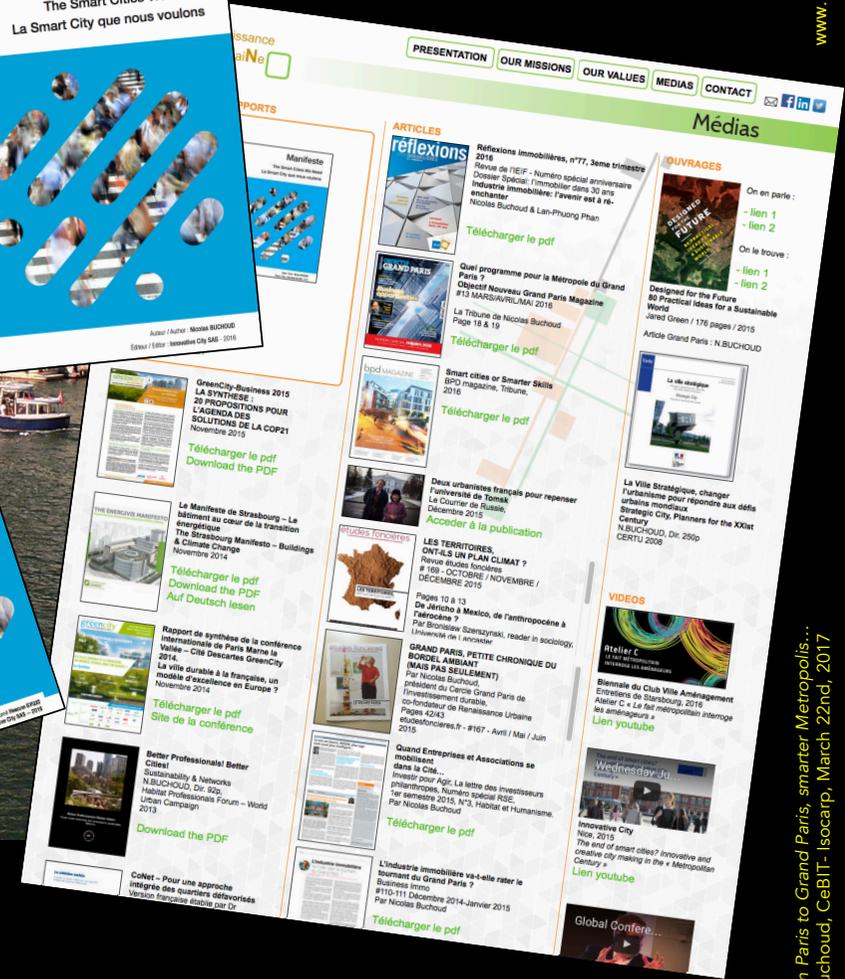
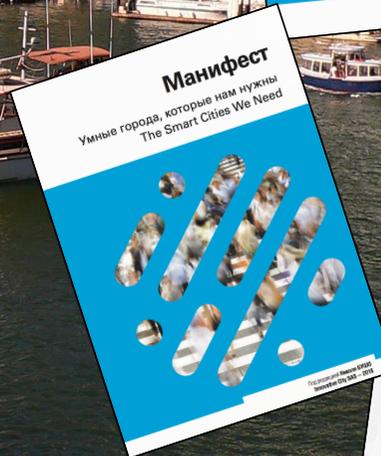
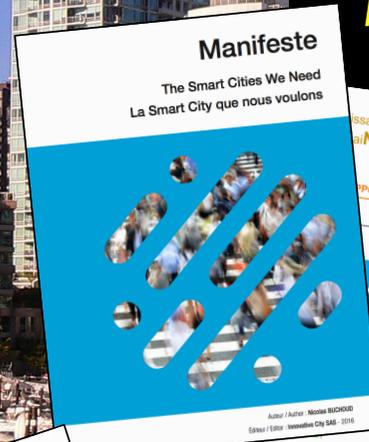
CeBIT, Hannover, March 22nd  
Nicolas Buchoud



**CONSEIL STRATÉGIQUE ECOSYSTÈMES URBAINS CRÉATIFS POUR UN MONDE EN TRANSITION**

ENTRER  
ENTER

**A few words about us  
Renaissance Urbaine**



**Strategic advisory  
and urban R&D  
Established in 2006  
+ 100 missions  
+ 50 cities  
+ 25 countries**

www.renaissance-urbaine.fr  
From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017

# A few words about us The Grand Paris Alliance

Moins de loi, plus de contrat ?  
**Propositions pour aménager et bâtir un Grand Paris plus agile et solidaire**

Rapport final du groupe de travail Innovations financières et immobilières, comment passer à l'action ?  
CGPID, AFDU Mars 2017



**Cercle Grand Paris de l'Investissement Durable**  
**Rapport d'activité 2016**  
Métropoles, innover ensemble

The Grand Paris Alliance for Metropolitan Development  
**Annual Report 2016**  
Metropolis, Innovation and Cohesion



**The GRAND PARIS ALLIANCE for metropolitan development**  
A member of the Global Planners Network (GPN)  
**HABITAT III World Summit – October 17th-20th 2016**



**The GRAND PARIS ALLIANCE for metropolitan development**  
• Connect with a unique community of high-level practitioners and decision makers  
• Engage in a unique ecosystem of trusted members and partners across the world  
• Invest in the Greater Paris Metropolis, one of the most highly integrated metropolitan development and holistic investment projects in a global city

**Because our urban world is changing so quickly**  
• It is no longer about bottom up or top down or just public engagement  
• It is about forging and sharing the smarter skills we need for a brighter metropolitan future

**A new generation of urbanists**  
• We are chartered, financial organizations, investors, architects and planners, engineers and academics, biodiversity and climate change experts, we are living lab and global energy efficiency and smart grid champions, social and welfare entrepreneurs, law firms and developers, and more...  
• We are local and global and we build on GPN Vancouver Declaration  
• We are an independent and award-winning not for profit think tank and network



**200 Metropolitan Entrepreneurs**  
Principaux speakers et contributeurs aux conférences, forums et travaux Paris de l'Investissement Durable pour la période 2011-2017



Forums internationaux du Cercle Grand Paris  
Innovations entrepreneuriales et sociales  
Investissements durables et gouvernance  
La smart city que nous voulons  
Éléments de prospective  
Métropoles en réseaux

**propositions métropolitaines**  
**100 Metropolitan Design Proposals**  
Rapports et documents issus des travaux du Cercle Grand Paris de l'Investissement Durable, pour la période 2011-2017



Forums internationaux du Cercle Grand Paris  
Innovations entrepreneuriales et sociales  
Investissements durables et gouvernance  
La smart city que nous voulons  
Éléments de prospective  
Métropoles en réseaux

**Think tank**  
Established in 2011  
Awarded in 2012 (ULI Innovation Grant)  
+ 60 members  
+ 20 global partners  
+ 100 publications  
+ 200 experts...



**Smart City in Tokyo Region**  
The Grand Paris Alliance 4th Annual Forum  
**Disruptive Alliances, Reinventing Growth**  
Paris, June 22<sup>nd</sup>-26<sup>th</sup> 2015

Prof. Hiroo ICHIKAWA, Ph.D.  
Professor and Dean, Meiji University / Executive Director, The Mori Memorial Foundation  
Dr. Koji SASAKI  
The Mori Memorial Foundation

Copyright © Hiroo Ichikawa / Cercle Grand Paris, 2015  
Design by Renaissance Urbaine



1st « smart city » research article (1998)



- \* internet users
- \* social network users
- \* connected objects...



41,5%

45%

50%

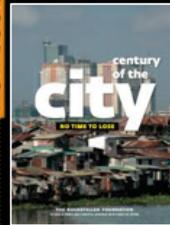
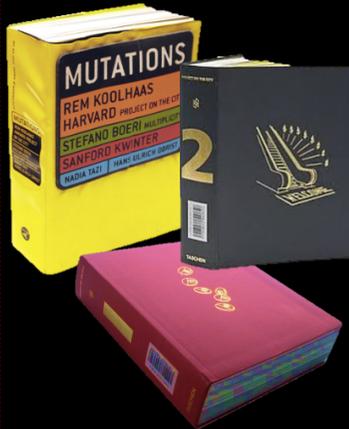
54%

RURAL

URBAN

METRO

« HYPER »



1996

Vancouver WUF - 2006



2016

1992 Rio  
1995 KYOTO

MDGs  
2000-2015

PARIS

Consultation internationale sur le Grand Paris 2007-9

GRAND PARIS

COP 15

COP21  
SDGs 2015-2030  
SDG 11

# CITY = SPACE+PEOPLE

Top trends at CeBIT



Artificial Intelligence



Cloud



Cyber Security



Drones



Internet of Things



Virtual Reality

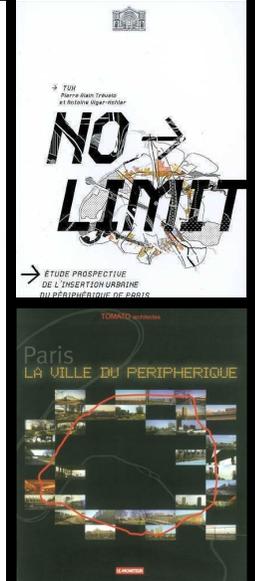
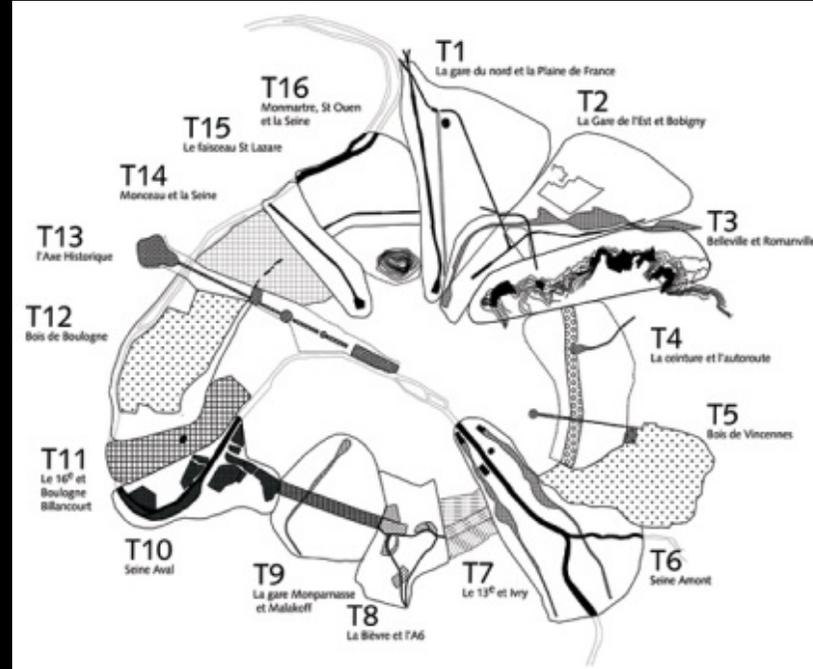
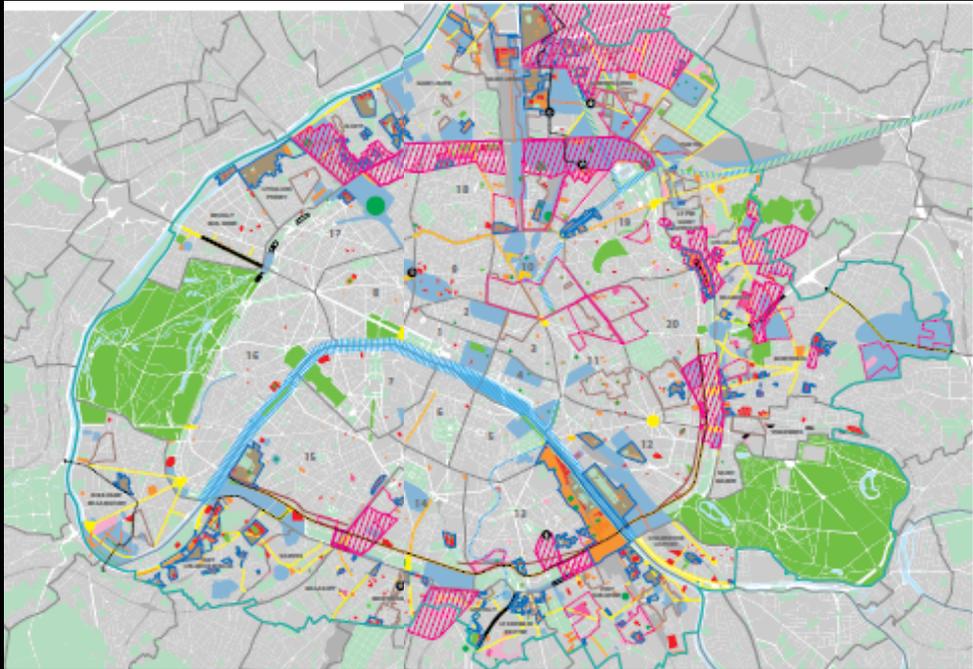


5G



# METROPOLIS = SPACE+CONNECTIONS

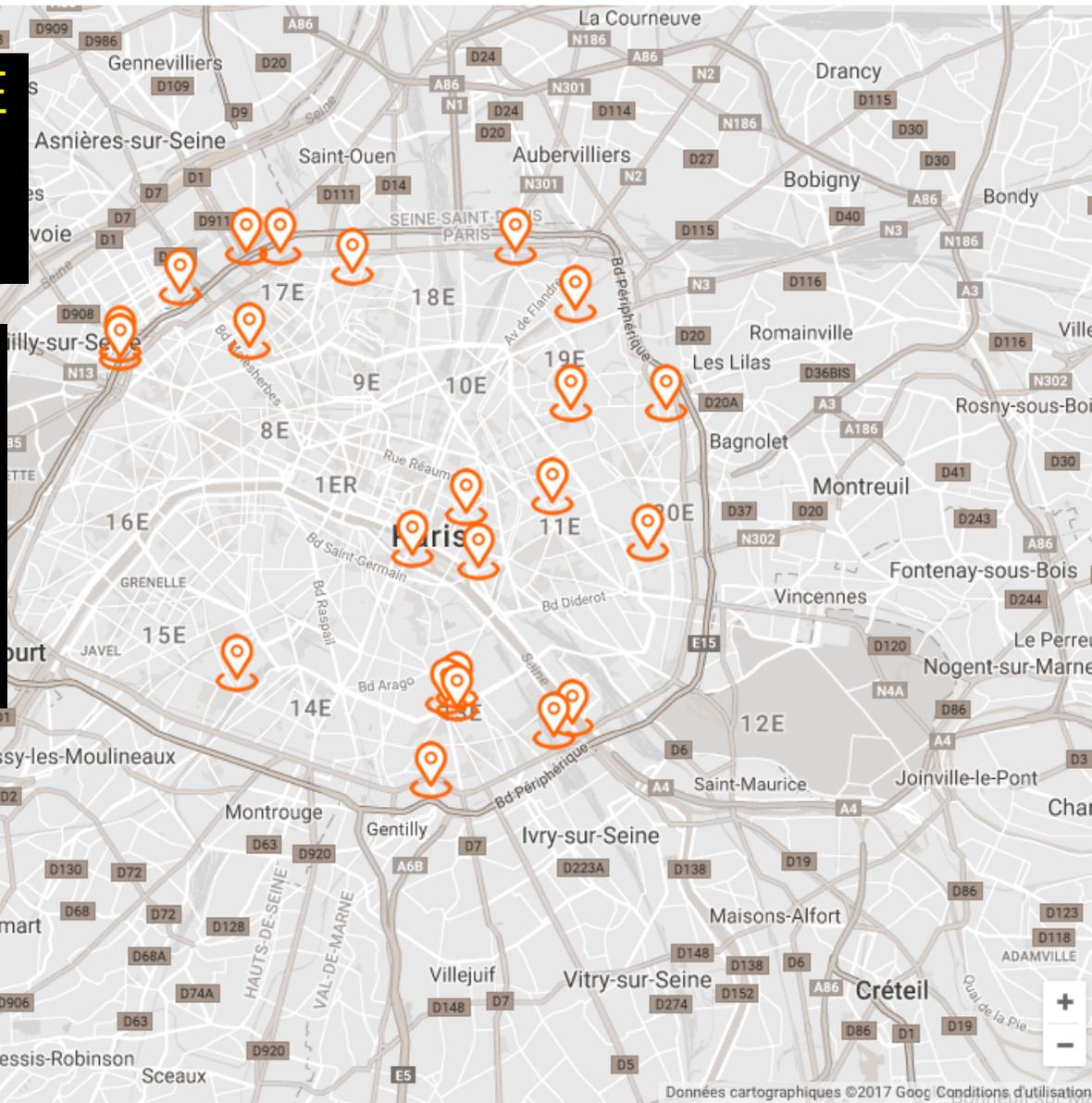
# Paris BEYOND Paris (2000's)



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017

# Paris MORE than Paris (2015...)

Smart  
Digital  
Connected  
Vibrant  
Green..  
=  
Reinventing  
architecture design  
(Reinventing Paris)



## Sites proposés

- Morland (4e)
- Hôtel de Coulanges (4e)
- Hôtel particulier (5e)
- Sous-station Voltaire (11e)
- Ancien conservatoire (13e)
- Gare Masséna (13e)
- Paris Rive Gauche (13e)
- Poterne des peupliers (13e)
- Edison (13e)
- Italie (13e)
- Bains douches Castagnary (15e)
- Clichy - Batignolles (17e)
- Hôtel particulier (17e)
- Pitet - Curnonsky (17e)
- Bessières (17e)
- Pershing (17e)
- Ternes-Villiers (17e)
- Ordener (18e)
- Ourcq Jaurès (19e)
- Triangle Eole - Evangile (19e)
- Gambetta (20e)
- Buzenval (20e)
- Piat (20e)

[LISTE DETAILLEE](#)

Source: Ville de Paris, 2015

From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT- Isecarp, March 22nd, 2017

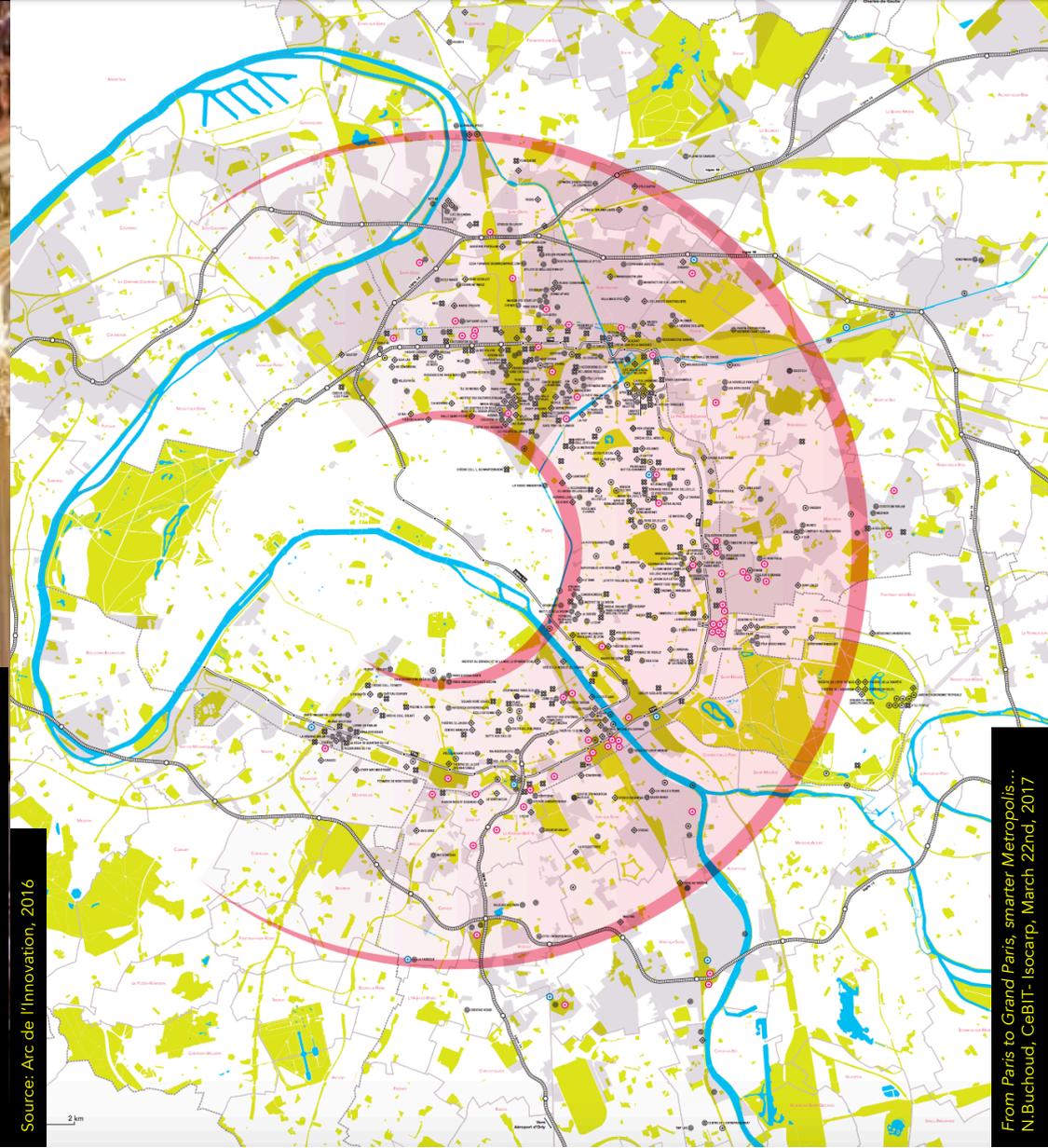
# Paris, BEYOND & MORE (?)

2020's (2024...)



Source: Hackathon JO 2024 - Mairie de Paris, 2017

Source: Arc de l'Innovation, 2016



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017



« Smarter » ??

Sept. 2016



Dec. 2016

Journée sans voiture Journée sans RER

City

Metro area



Renaissance  
URBaine

From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017

# Paris, Smarter about the future?

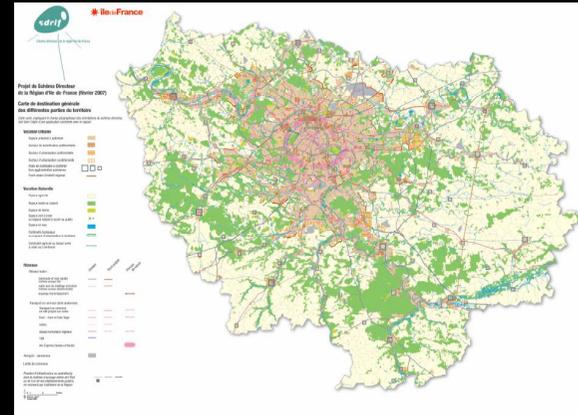
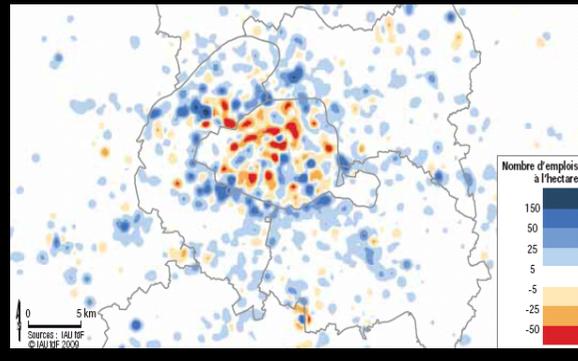
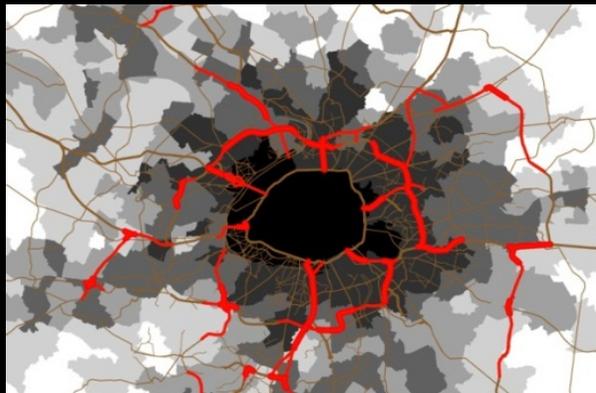
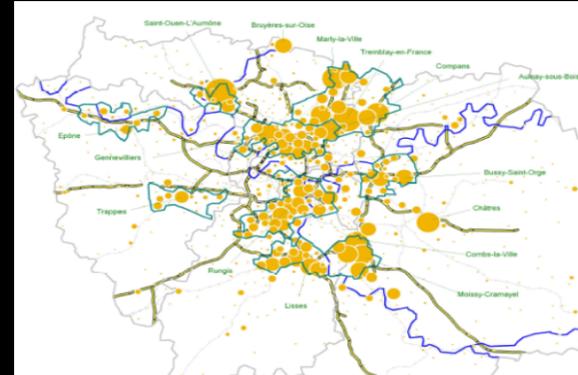


Source: Société du Grand Paris, 2011



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017

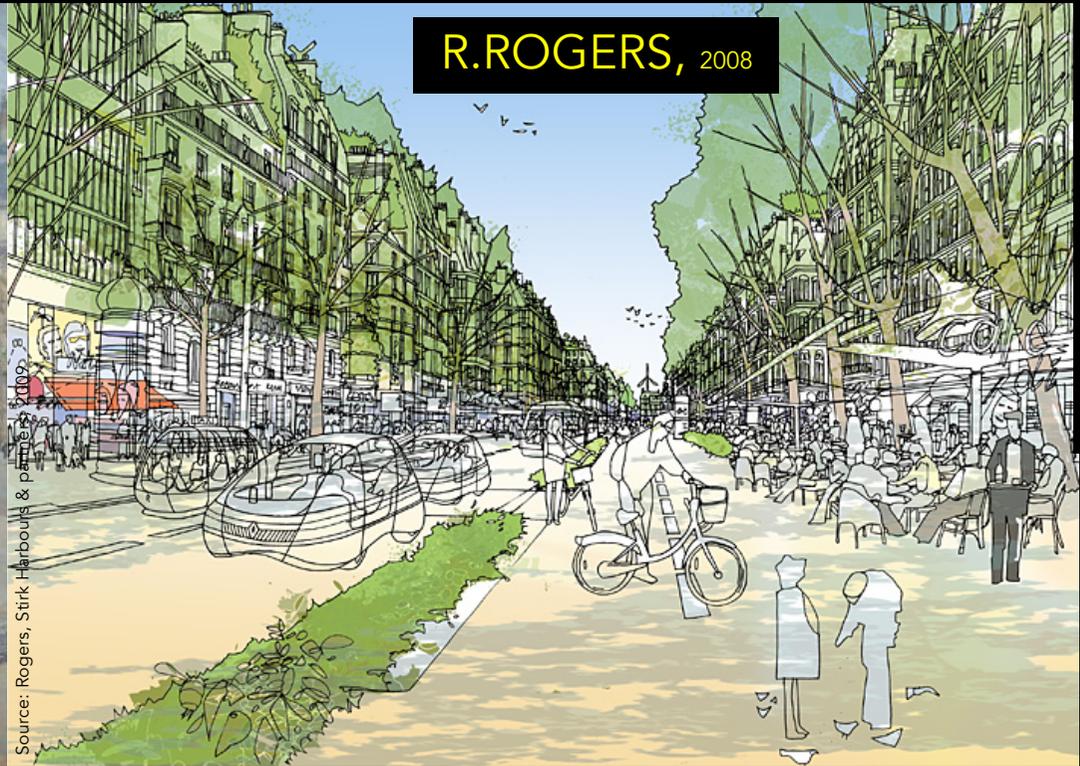
# Turning Paris into Grand Paris



C. PISSARO, 1897

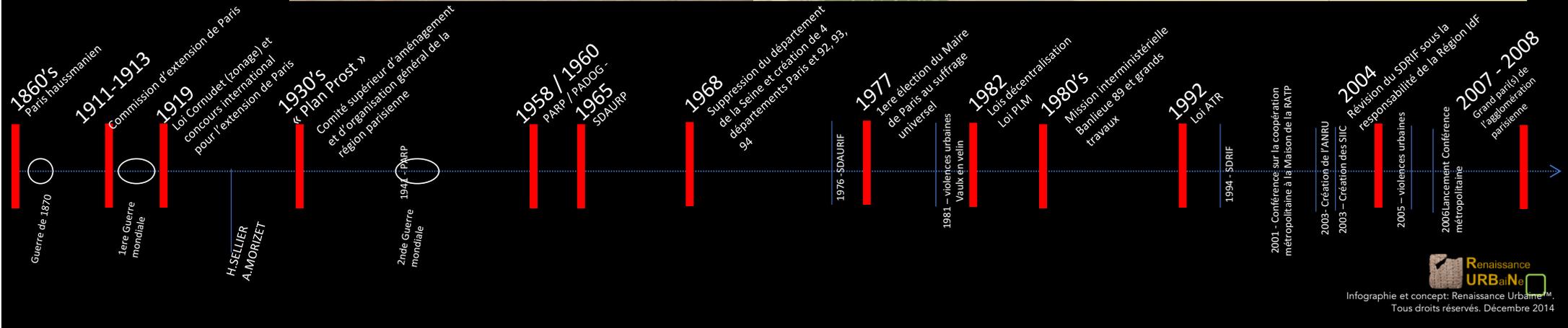


R. ROGERS, 2008



Source: Rogers, Strik Harbours & partners

# Turning Paris into Grand Paris



From Paris to Grand Paris, smarter Metropolis...  
N. Buchoud, CeBIT - Isocarp, March 22nd, 2017



# LES HUBS INTERNATIONAUX DU GRAND PARIS



- 1-GRAND ROISSY
- 2-CITÉ DESCARTES
- 3-SEINE AMONT VALLÉE DE LA BIÈVRE
- 4-ORLY / RUNGIS
- 5-PARIS-SACLAY
- 6-SATORY / ST-QUENTIN VERSAILLES
- 7-LA DÉFENSE-SEINE-ARCHE
- 8-ST-DENIS PLEYEL
- 9-LE BOURGET AÉROPORT
- 10-TRIANGLE DE GONESSE
- 11-VAL DE SEINE
- 12-VAL DE FONTENAY
- 13-MARNE-LA-VALLÉE EST
- 14-GRAND PARIS SUD

« World-class »  
Talents  
R&D  
€  
...



Renaissance  
URBaine

From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017



# Grand Paris

La Défense / Nanterre  
Les Groues

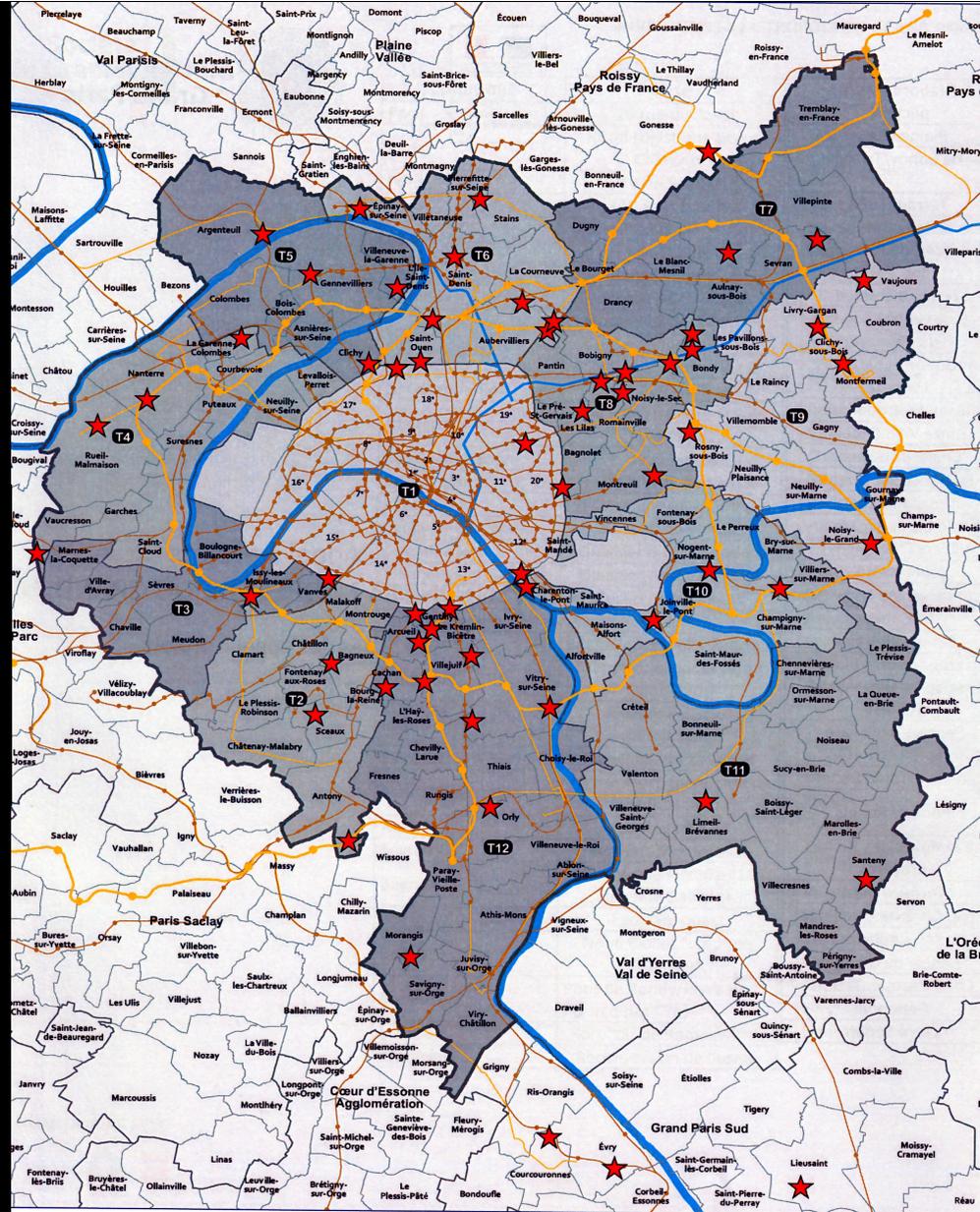
Source: EPADESA, 2016



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March, 22nd, 2017



# Back to governance « La Métropole du Grand Paris »



Source: MGP, 2016



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT - Isocarp, March 22nd, 2017

# What's next?

Data revolution

Uses revolution

Entrepreneurial revolution

Changing market conditions (office, logistics, residential, mixed use...)

Source: EY, Croissance, les moteurs de la ville, 2017



From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT- Isocarp, March 22nd, 2017

## Manifeste

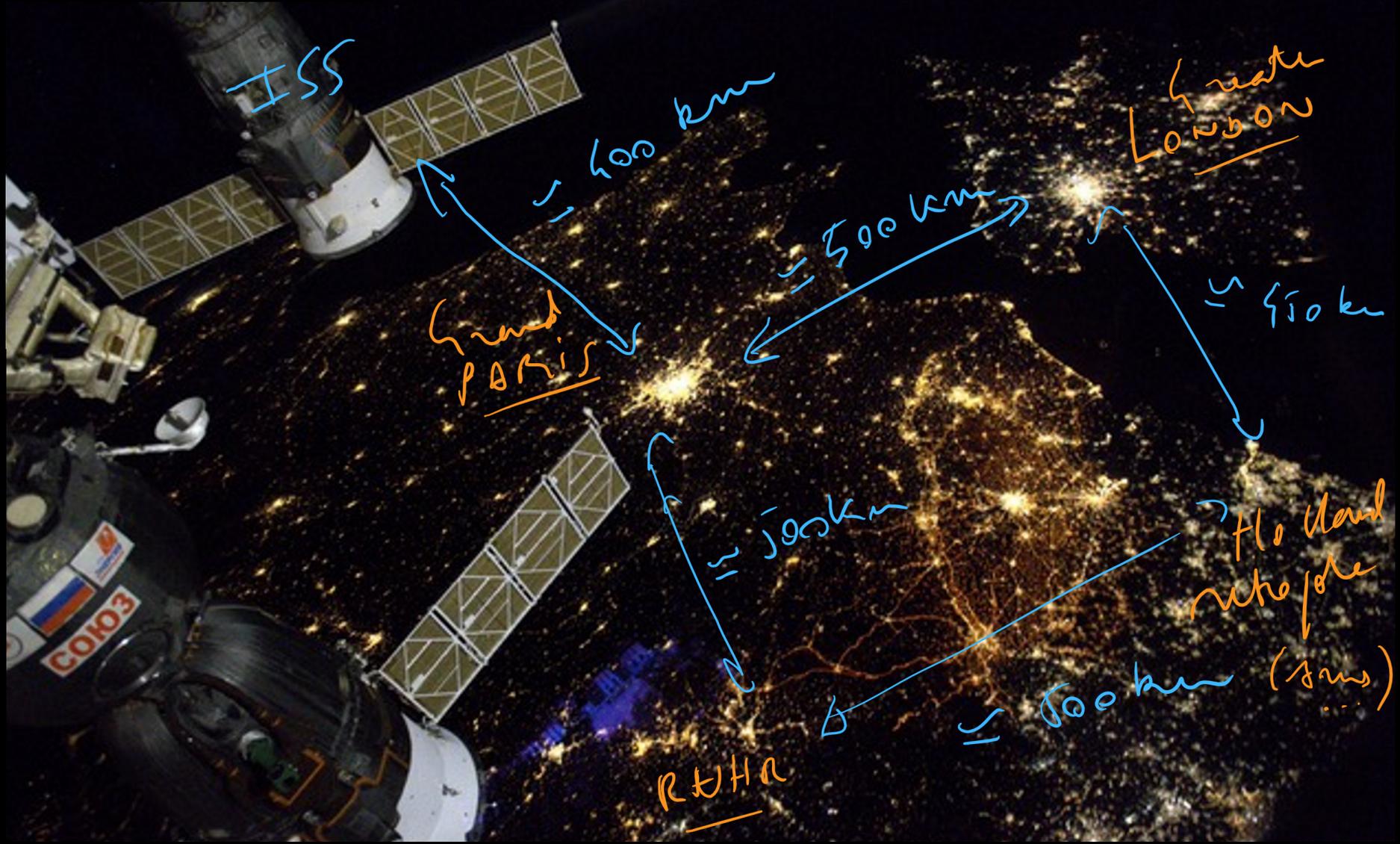
The Smart Cities We Need  
La Smart City que nous voulons



Auteur / Author : Nicolas BUCHOUD  
Éditeur / Editor : Innovative City SAS - 2016

1. My Smart City
2. Scaling up the vision for scaling up the action
3. Time to privilege knowledge over marketing
4. Convergence between infrastructures and services
5. Caring more for the affordability of urban development
6. Raising the awareness about the interoperability of databases
7. Connecting the South and the North
8. Hightech, lowtech and cybersecurity: a new balance
9. Renewing risk assessment systems
10. Smarter skills: even the smartest kids and professionals need an education!

# « 4D METROPOLIS »



Source: Photo T.Pesquet- ESA 2016 / graphics N.Buchoud, 2017

From Paris to Grand Paris, smarter Metropolis...  
N.Buchoud, CeBIT- Isocarp, March 22nd, 2017

*Thank You!*  
*[www.renaissance-urbaine.fr](http://www.renaissance-urbaine.fr)*  
*Mars 2017 ©*