

PRESENTATION OF 8 WORKS
Nicolas Fonty Portfolio

- 23** 2014 : **www.OCCUPY.fr** : ongoing project to develop collaborative cartography in the Greater Paris based on community fairs. Nine public workshops until today and one ongoing project using the Occupy method.
2013
- 18** 2013 : **«LIVING IN THE GREATER PARIS»** : life cycles, urban continuities, horizontal metropolis. STUDIO 13 Bernardo Secchi + Paola Viganò for the *Atelier International du Grand Paris*. Besides the teamwork explained above, author of “Workshop” article for the July 2013 edition.
- 13** 2011 : **“LA DÉFENSE” , AN ATLAS, history and territory**, Parenthèses Editions, 2014. Dir: Chabard + Picon-Lefèvre, 60 maps + timeline in collaboration with Alvise Pagnacco.
- 12** 2008 : **THE POROUS CITY, analysis and prospective of the Greater Paris**. Research ordered by the French government / STUDIO 09 team, Secchi + Viganò. My work : advisor on specific knowledge on Paris, map and data production, development of mapping representation concepts, investigation on ordinary monuments, re-writing.
- 11** 2008 : **LEARNING TO DECODE URBAN NEBULAS, PARIS / BARCELONA** research project in collaboration with UPC-Barcelona, Carlos Llop.
- 04** 2005 : **PLAINE-DE-FRANCE and PARIS : the issue of their relationships, territorial study**, project manager for A. Lortie.
- 02** 2004 : **CONTEXTUAL vs GENERIC, a graphic and historic exploration of the Parisian nebula**, Master in Urban Design. Director : André Lortie.
- 01** 1999 : **THE CITY OF THE PÉRIPHÉRIQUE (Parisian ring road) with the Tomato team, Ordinary / Extraordinary**, Le Moniteur editions, 2003. Architecture diploma publication.

OCCUPY aims to map the public spaces occupations of a territory

- The different practices that take place
- The different actors that interact there
- The various landmarks that make up these spaces



An the time dimension:

- past: hat has changed or disappeared ?
- future : what could be transformed ?



and this in a collaborative way with its inhabitants and users.

The aim is to include residents and other actors in the transformation process of the territory. The map progressively becomes during the workshops a media around which dialogue can take place.

In addition to being a collaborative and empowerment tool, it is also an analysis tool thanks to the richness of the original collected information.

And it is also a project tool when the Occupy approach has the possibility to precede or accompany a territorial project .

The basis of this method are public workshops at neighbourhood festivals. This is a method that has been proven in numerous previous workshops : significant participation of differentiated audiences, production of new territorial knowledge through the expertise of residents and other users.

We unfold a large aerial photo of the territory on a table. Then participants plant flags of different categories.



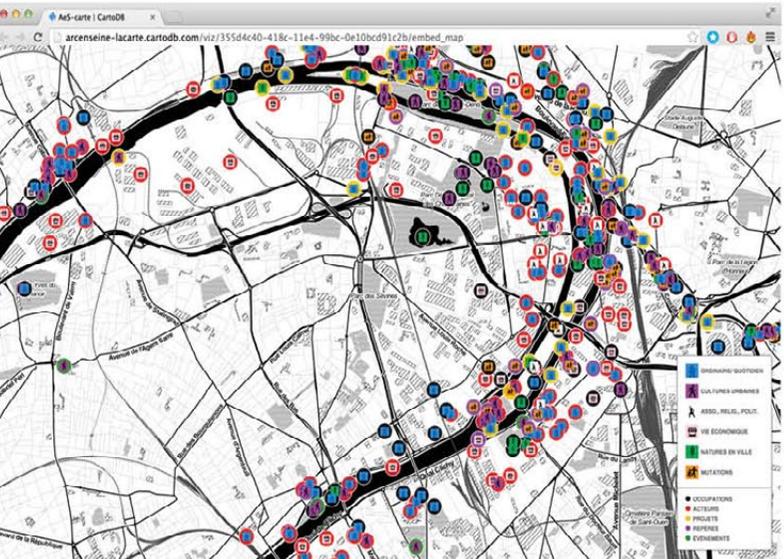
Data is also sorted by sub-themes to tease the imagination of the participants and to scan the main characteristics of public spaces.

The information gathered from these workshops helps to highlight many significant places : landmarks, places of specific practices, location of important players, places of remarkable events, as well as residents' project ideas. This data is uploaded immediately after the workshops on a map available on internet through cartodb.com.

The data is sorted by different themes and is also indexed to prioritize their importance in relation to a particular subject . It is thus possible to extract specific maps that inform on a specific topic (see examples)

This database, that is built and enriched with each new workshop, produces an underlayer to be used in the construction of the metropolitan project. And it is also the support for cooperative projects creating a network between groups and assets.

description - string	name - string	o1_type1 - string	o1_type2 - string	o2_i1_a - number	o2_i2_m - number	o2_i3_s - number	o2_i4_j - number	o2_i5_r - number	o2_i6_ha - string	o7_source1 - string
Habitat Rom		occupations	O1	2	null	1	4	0	null	Alice Payet
Traiter la passerelle sous l'A86	(P) passerelle sous A86	projets	O1	null	3	1	5	null	null	Alice Payet
Ici il y a une baraque à frites et plus. Certains...		occupations	O4	null	null	0	5	null	null	
Ici on discute, on s'assoit, on fait du vélo, du...	lieu de rencontre	occupations	O1	null	3	0	4	null	null	Yara
Sur la façade d'un des bâtiments il y a une gr...		projets	O2	null	null	0	5	null	0	

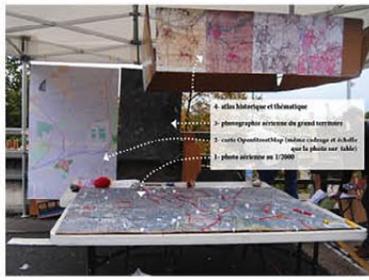


Viewing an online maps ; the data collected on the map card during the workshop are then posted online and can be freely consulted.or downloaded.

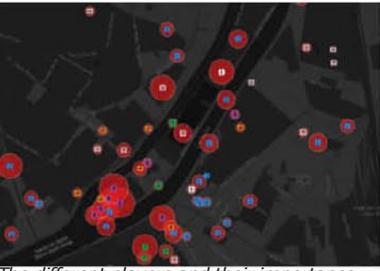
Under a tent are deployed various maps rich in information. The principal map is put on a main table where participants can discuss and add their data.

These workshops are extremely useful for urban designers to understand how the territory is experienced.

Because of their simplicity, subject clarity and aesthetic, they are quite popular. Children and teenagers are also interested in them.



Projects reported at workshops.



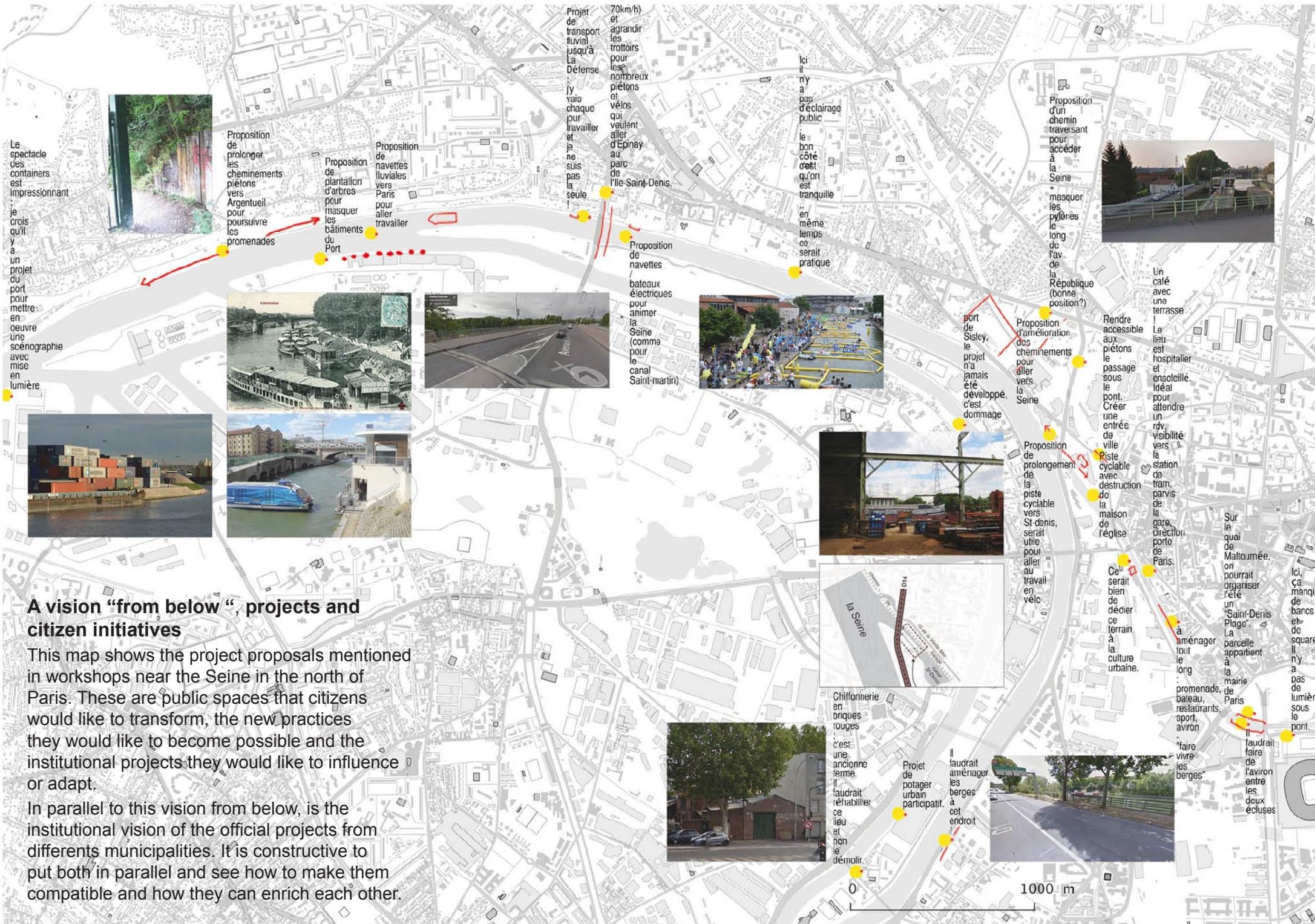
The different players and their importance.



Data related to mutations and to the history of a site and that retrace the imaginary.



On the base of these significant places, a project for the territory can be elaborated.



Le spectacle des containers est impressionnant
je crois qu'il y a un projet du port pour mettre en œuvre une scénographie avec misc en lumière



Proposition de prolonger les cheminements piétons vers Argenteuil pour poursuivre les promenades

Proposition de plantation d'arbres pour masquer les bâtiments du Port

Proposition de navettes fluviales vers Paris pour aller travailler

Projet de transport fluvial jusqu'à La Défense
70km/h et agrandir les trottoirs pour les nombreux piétons et vélos qui veulent aller d'Epinay au parc de l'île-Saint-Denis
Ici il n'y a pas d'éclairage public le bon côté c'est qu'on est tranquille... en même temps ce serait pratique

Proposition de navettes bateaux électriques pour animer la Seine (comme pour le canal Saint-martin)



Proposition d'un chemin traversant pour accéder à la Seine + masquer les pylônes le long de l'axe de la République (bonne proposition?)

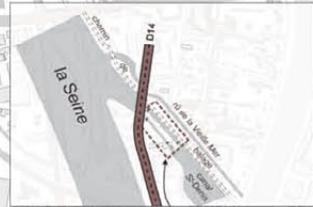


Un café avec une terrasse ! Le lieu est hospitalier et ensoleillé. Idéal pour attendre un rdv visibilité vers la station de tram, parvis de la gare direction porte de Paris.

Rendre accessible aux piétons le passage sous le pont. Créer une entrée de ville Riste cyclable avec destruction de la maison de la réglise

Proposition d'amélioration des cheminements pour aller vers la Seine
port de Sisy, le projet n'a jamais été développé, c'est dommage

Proposition de prolongement de la piste cyclable vers St denis, serait utile pour aller au travail en vélo



Ce serait bien de consacrer ce terrain à la culture urbaine.

Sur le quai de Maltournée, on pourrait organiser l'été un "Saint-Denis Plage". La parcelle appartient à la mairie de Paris

Ici, ça manque de bancs et de square il n'y a pas de lumière sous le pont.

à aménager tout le long : promenade, bateau, restaurants, sport, avron
"faire vivre les berges"

Il faudrait faire de l'Avron entre les deux écluses

Chiffonnerie en briques rouges : c'est une ancienne ferme. Il faudrait réhabiliter ce lieu et non le démolir.



Projet de potager urbain participatif.

Il faudrait aménager les berges à cet endroit



A vision "from below", projects and citizen initiatives

This map shows the project proposals mentioned in workshops near the Seine in the north of Paris. These are public spaces that citizens would like to transform, the new practices they would like to become possible and the institutional projects they would like to influence or adapt.

In parallel to this vision from below, is the institutional vision of the official projects from different municipalities. It is constructive to put both in parallel and see how to make them compatible and how they can enrich each other.





2. WO

4 et 11 du Grand Paris were built there



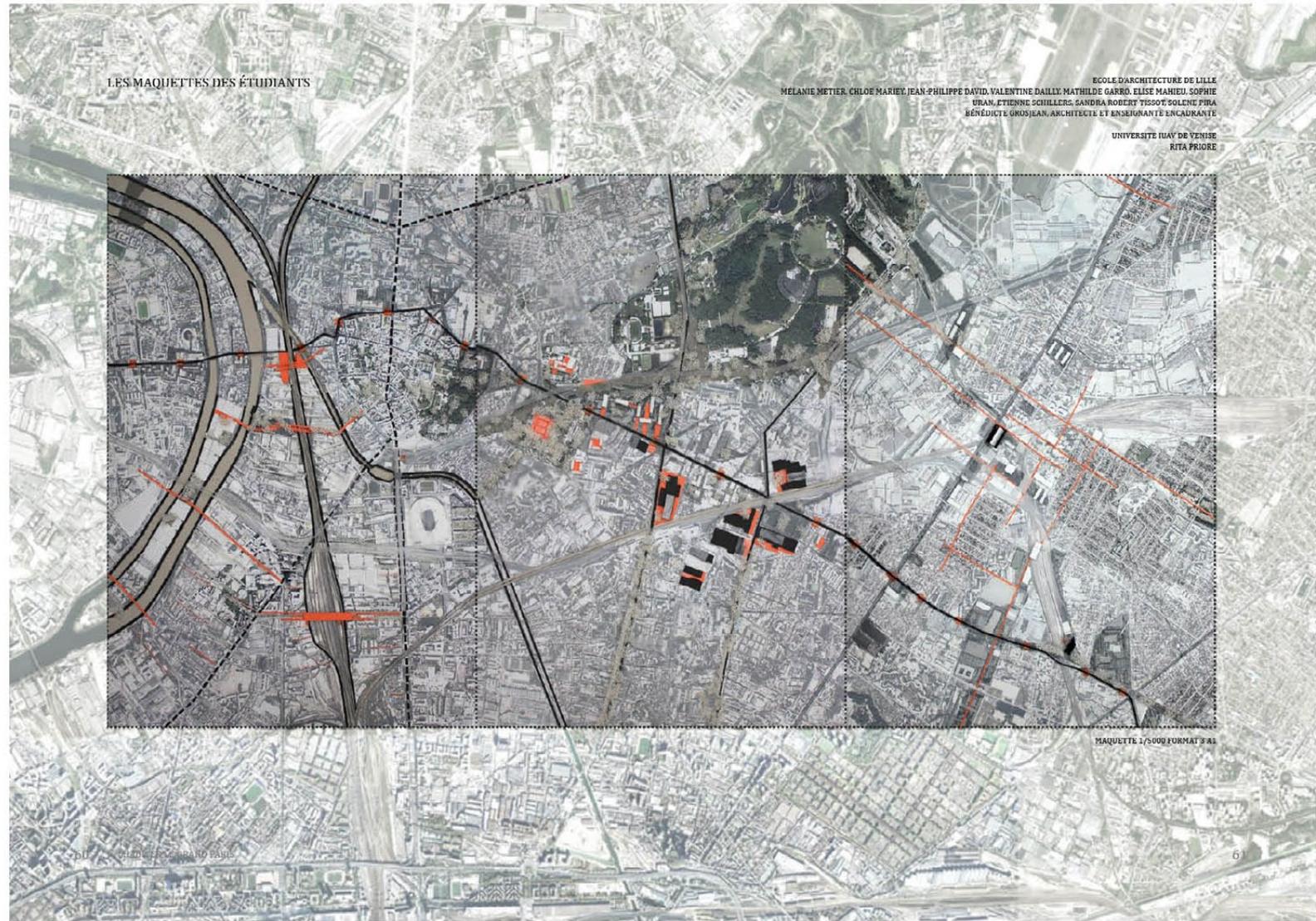
**2013 Living the Greater Paris
Secchi-Viganó / Aigp
Public Project Workshop 18**

The Greater Paris has a housing shortage. Where should we build? What urban forms? How to use this as a leverage to transform neighborhoods with low quality of life? As part of a major research for the Atelier du Grand Paris on these issues, I organized with the Secchi-Viganó team a public project workshop in the north of Paris in disadvantaged neighborhoods, which have a strong presence of former industrial areas, all kinds of network infrastructures and nearly 50 % of social housing.

The Face association, settled in an unusual old mill in the heart of this environment welcomed us during 10 days and allowed us to meet different inhabitants and community associations to discuss with them our approaches.

The students who participated in the workshop made important field surveys. They realized that the inhabitants were very interested in talking about the territory and that their testimonies were a very rich data source for the project. This observation is the basis of the Occupy mapping workshops which were later developed.

The workshop was also an opportunity to interview a large number of the territory's players (various administrations, facility or transportation managers, social housing landlords, businessmen). Generally, each of the players, could only tell us about a particular aspect when asked about a space issue that is very often on the intersection of several parameters. Most players are often aware of this contradiction and regret it, but must unfortunately limited themselves to their very time and field restricted mission statement.

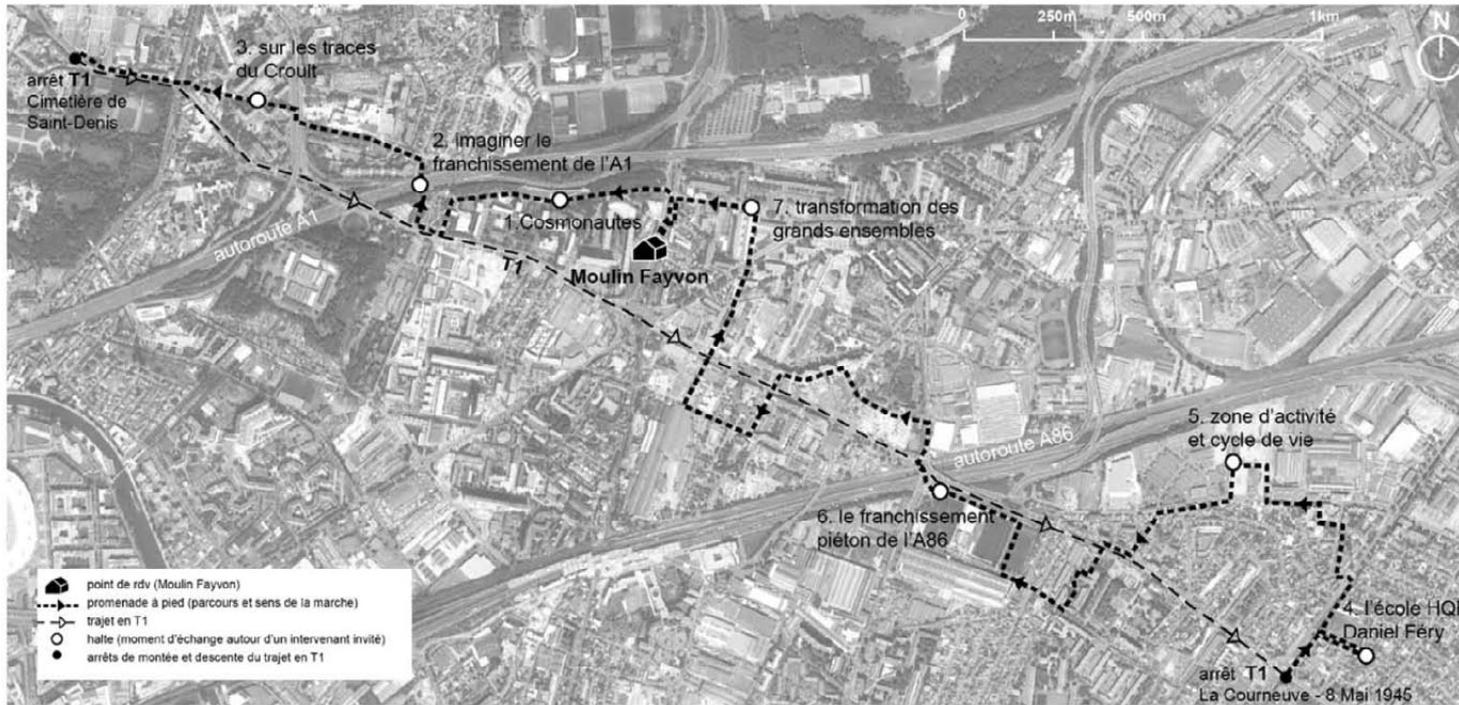


LES MAQUETTES DES ÉTUDIANTS

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UNIVERSITÉ IUVAV DE VENISE
RITA PRIORE

MAQUETTE 1/5000 FORMAT 3 A1



**PROMENADE DU 25 MAI 2013
PARCOURS ET HALTES PRÉVUS**

A public promenade was organized on the first day with a series of stops on the territory's emblematic places.

1. CITÉ DES COSMONAUTES
A. RÉNOVATION EN COURS DES COSMONAUTES
B. POTAGERS URBAINS DANS LES CITÉS
2. FRANCHISSEMENT DE LA1
L'ASSOCIATION LAMAZE MILITE POUR L'ENFOUSSEMENT DE LA1
3. SUR LES TRACES DU CROULT
HISTOIRE ET ENJEUX DE LA RÉOUVERTURE DES COURS D'EAU
4. ÉCOLE HQE DANIEL FÉRY
PRÉSENTATION D'UN PROJET HAUTE QUALITÉ ENVIRONNEMENTAL (OBJECTIFS - AMBITION - SYNERGIE)
5. ZONE D'ACTIVITÉ ET CYCLES DE VIE
LES ENJEUX DU PROJET DE RÉAMÉNAGEMENT POUR CETTE ZONE D'ACTIVITÉ
6. FRANCHISSEMENT DE LA86
INTERVENTION DE SECCHI-VIGANÒ SUR LES MOBILITÉS PIÉTONNES DIFFICILES, LE DROIT À L'ACCESSIBILITÉ
7. TRANSFORMATION DES GRANDS ENSEMBLES
RÉNOVATION URBAINE ET GESTION DES QUARTIERS

When mapping the different territories according to the players who manage them, we realize that the northern part of the Greater Paris studied in the workshop is very compartmentalized. If on top of this we extract from this mapping the uninhabited parts of the territory such as business parks and infrastructure, we can see that there is very little of the «ordinary city» left.

This outskirts is more than just a single-functionality collage, it is also a collage of independently managed plots. From this point of view, in particular, the importance of territories managed by social housing landlords raises questions. We can see the power of a sum of technicians in action, but who paradoxically do not seem eager for this power for a project in itself. Who

on the contrary seem to be more waiting a political and / or residents' demand. We can clearly feel too many difficulties and blocages for the production of a collective project. It seems urgent to understand how to overcome them. This form of public workshop opened up to territory players appears to be very interesting for discussing these blockages.

MAQUETTE RESTITUANT SPATIALEMENT LES DIFFÉRENTS PÉRIMÈTRES D'ACTION DES DIFFÉRENTS ACTEURS INTERVIEWÉS



The maps in this atlas were carried out with the collaboration of Alvisé Pagnacco and under the direction of Pierre Chabard and Virginie Picon -Lefebvre .

For over fifty years , the development of La Défense has profoundly changed the territory that , from one side to the other of the Seine, extends the major axis of Paris. Combining a selection of archival documents, photographs, an original set of historical and thematic maps, this atlas illuminates the long and complex history of this extraordinary urban settlement, permanently enshrined in the Paris metropolis. Seen as a visual narrative , it restores the pace of events , genealogy achievements , the spatial and temporal thickness of a landscape. Designed in parallel, a historical dictionary in a separate volume , with a time line , complete this atlas .

It consists of 3 parts and a prolongation of proposals have since completed this work.

1. PANOPTICON :

a global view of the history of the Défense's formation.

- 0. **Time line** _ 3 x 2p
- 1. **Chronological cartography panopticon** _ 8 x 2p

2. SEQUENTIAL :

history of the formation of the Défense sequence by sequence.

- 2. **Projects sequences 1930-2010** _ 9 x 2p
- 3. **Reality sequences 1930-2010** _ 30 x 2p

3. ACTUAL STATE :

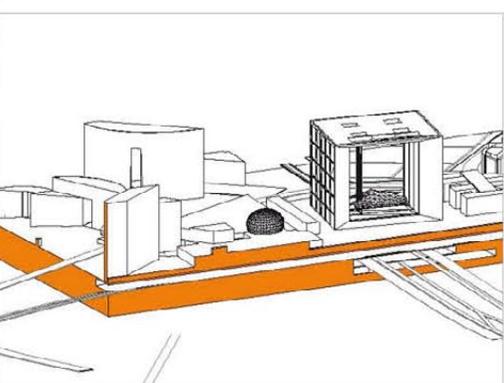
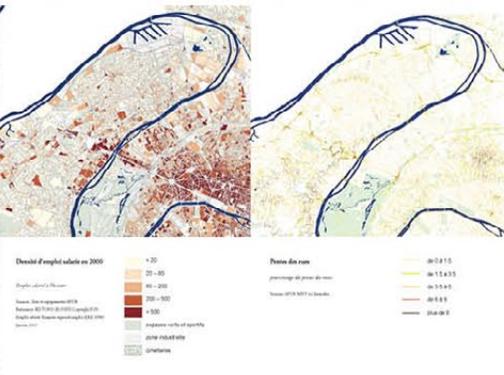
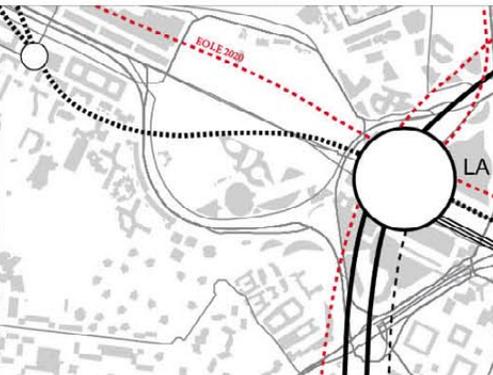
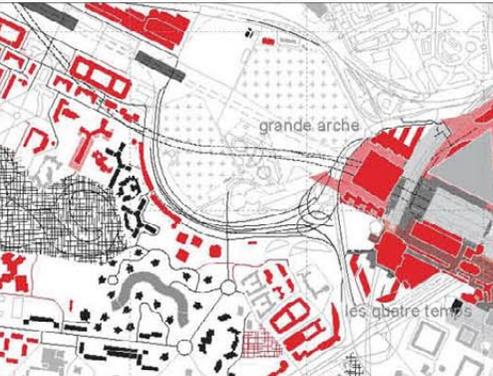
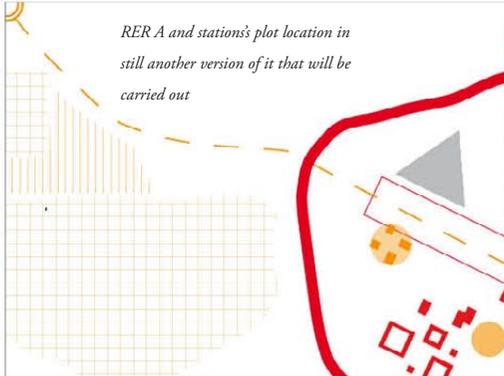
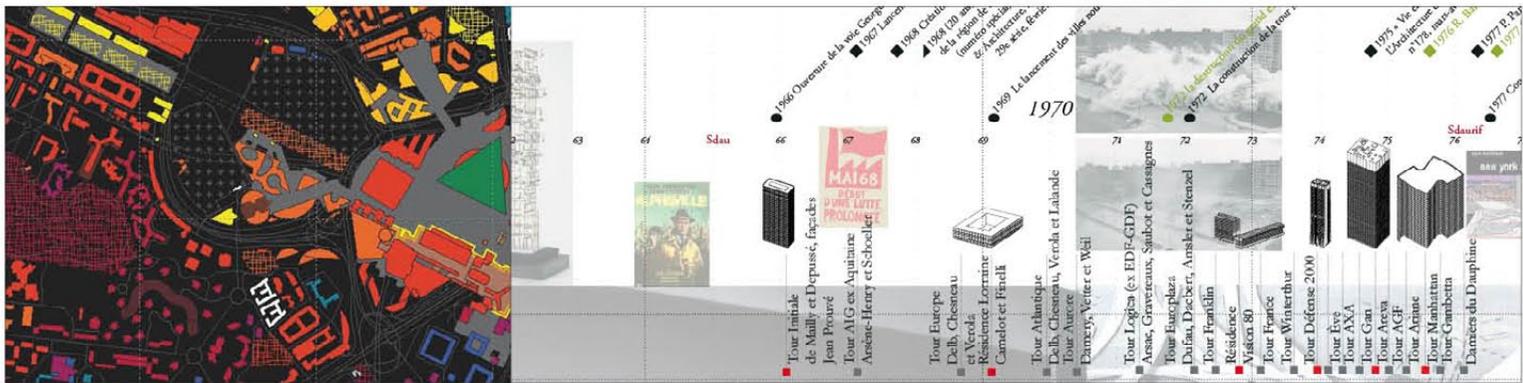
The Défense today according to different thematic.

- 4. **2010 State: topographical series**_ 10 x 2p
- 5. **2010 State: statistical series**_ 11 x 1p

+PROLONGATIONS :

building under way that could be completed

- a. **cartographic archives database**
600 documents filled by keywords.
- b. **3D input of the slab and axonometric cross-section**



1. PANOPTICON

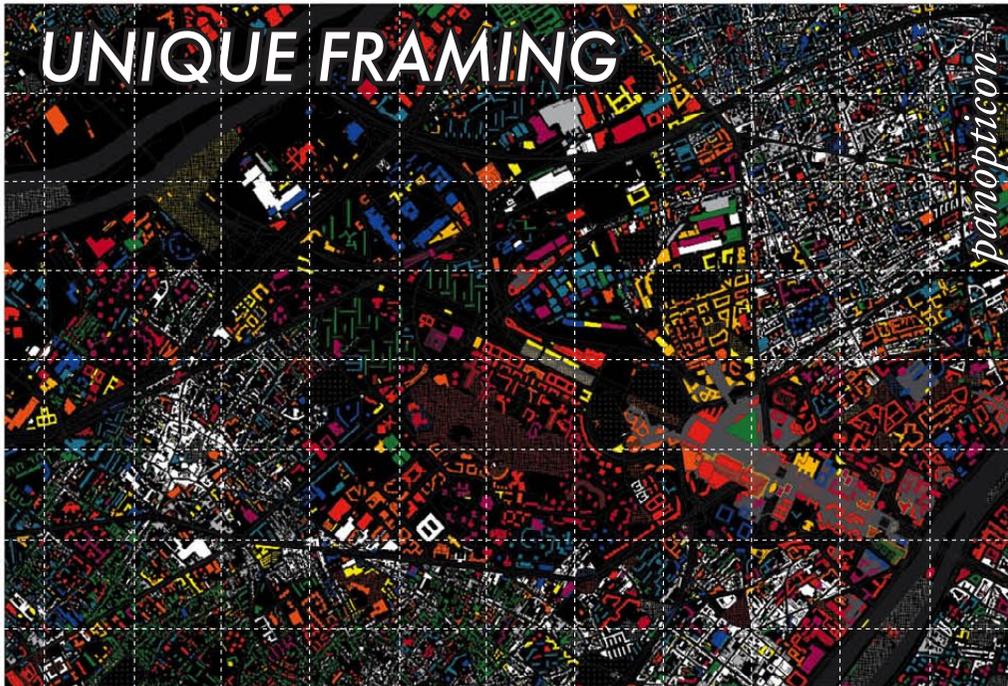
2. SEQUENTIAL

3. ACTUAL STATE

PROLONGATIONS

UNIQUE FRAMING

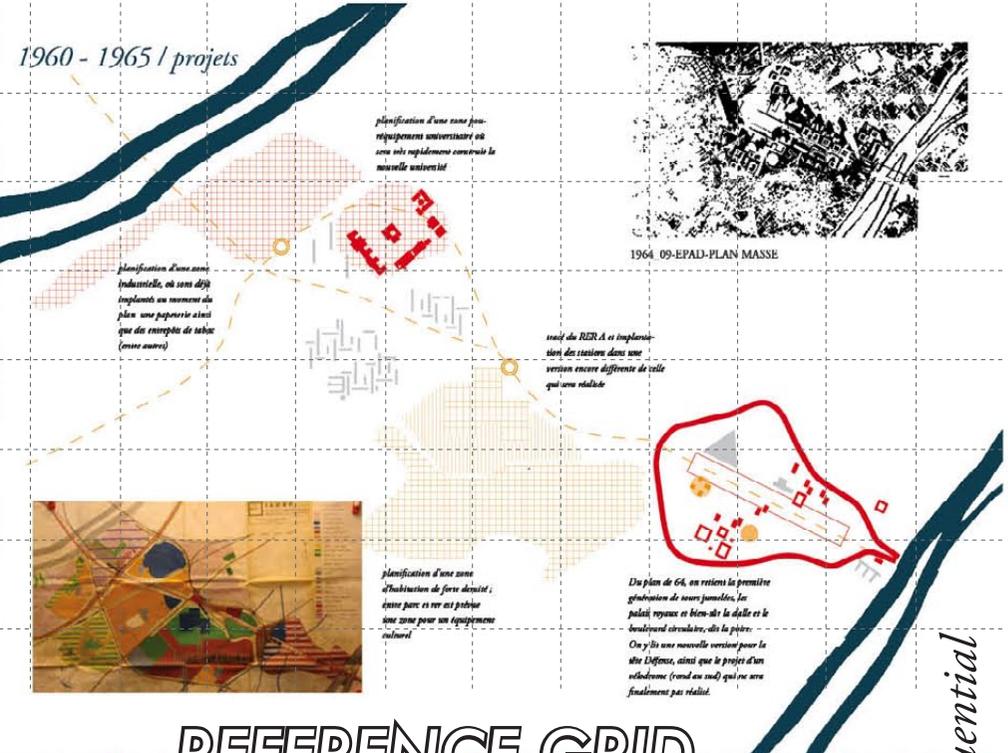
panopticon



bâti et parcs

● < 1934
 ● 1935 / 1949
 ● 1950 / 1959
 ● 1960 / 1965
 ● 1966 / 1969
 ● 1970 / 1973
 ● 1974 / 1981
 ● 1982 / 1990
 ● 1991 / 1998
 ● 1999 / 2003
 ● 2004 / 2010

1960 - 1965 / projets



planification d'une zone post-équipements universitaires où sera un rapidement construite la nouvelle université

planification d'une zone industrielle, où sont déjà implantés un nombre de plan une papeterie ainsi que des entrepôts de tabac (sans aures)

tracé de RER A et implantation des stations dans une version encore différente de celle qui sera réalisée

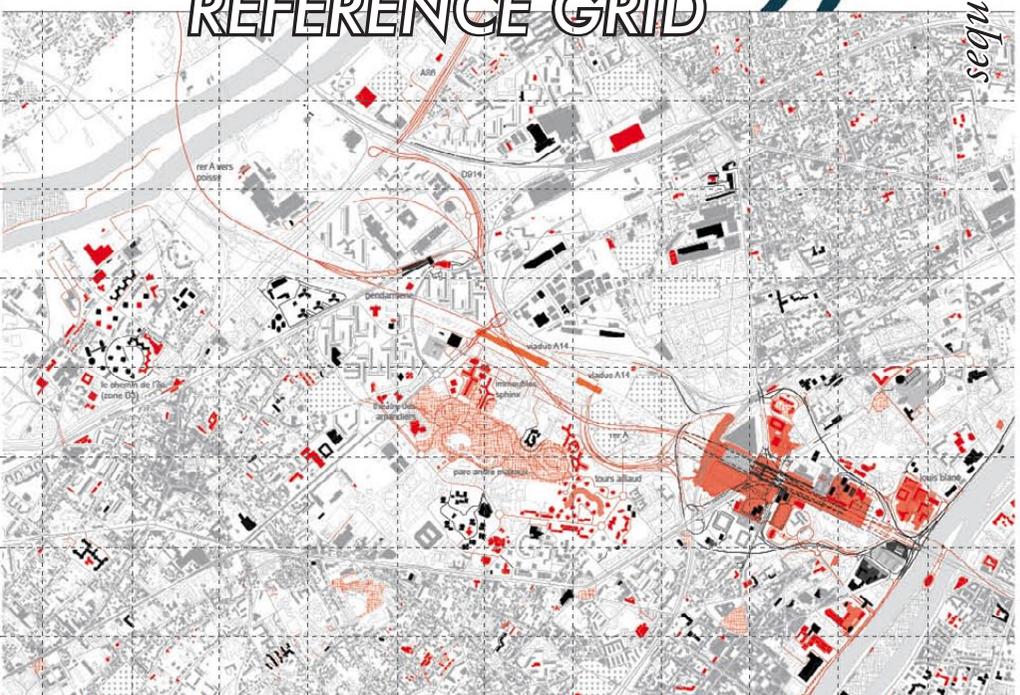
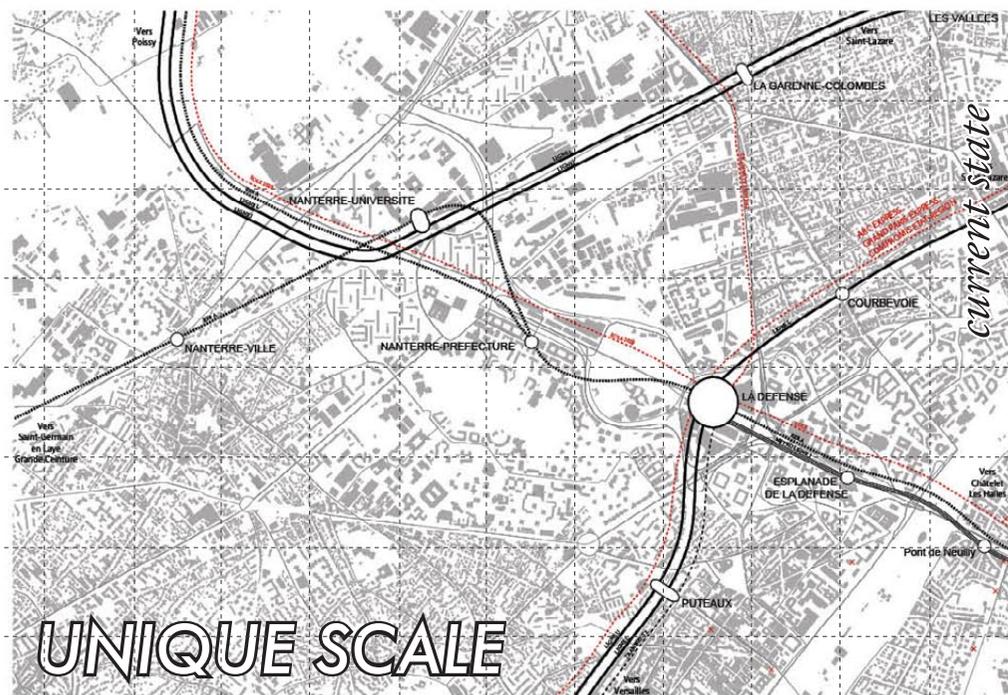
planification d'une zone d'habitation de forte densité, entre parcs et voirie publique zone zone pour un équipement culturel

De plan de 64, on retiens la première génération de tours jumelles, les palais, royaux et bien sûr la dalle et le boulevard circulaire, dit la pierre. On y lis une nouvelle version pour la site Défense, ainsi que le projet d'un résidences (tracé un tracé qui sera finalement pas réalisé.

sequential

REFERENCE GRID

current state



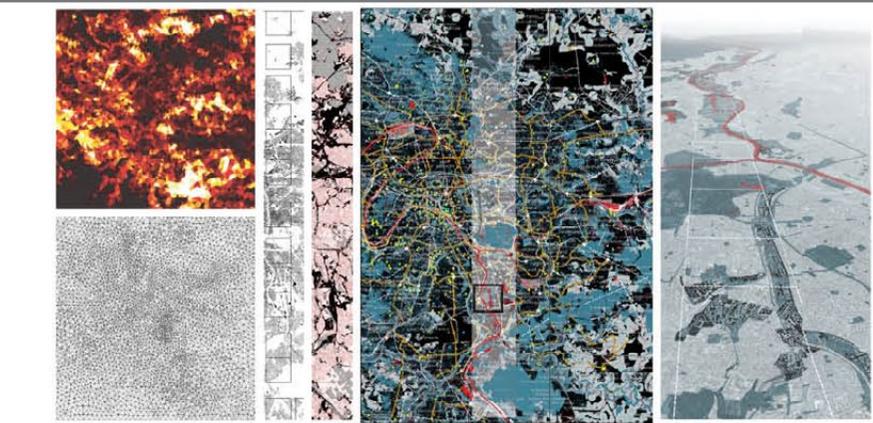
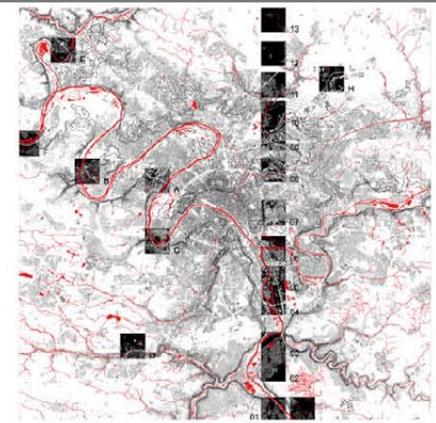
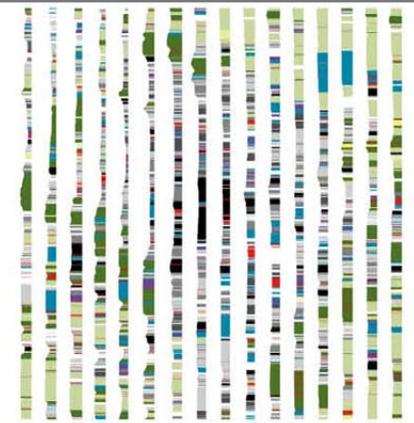
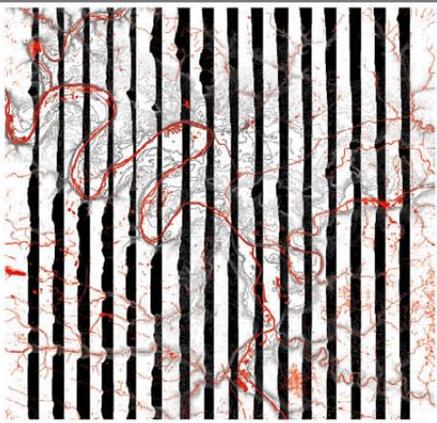
UNIQUE SCALE

Transports en commun
Source STIF
BD topo

x station vtd
— métro
— TRANSLIEN
— RER
— BUS RATP
— TRAMWAY
— EN PROJET

1974 - 1981
1 carré = 500 m

● avant 1960
 ● 1970 - 1973
 ● 1974 - 1981
 ○ après 1981
 ● construit puis démoli



2009 THE «POROUS» CITY. Greater Paris, post-Kyoto 21st century metropolis - Studio 09 Secchi-Viganò. 12

Sampling of the territory and choice of a study cross-section.

Conceptual background: porosity, permeability and fractures. Isotropy

Exploratory Project: a metropolitan green crossing; articulate and monumentalised territory from a small to large scale.



MONUMENTS: a new image for the Paris metropolis.



LIVING WITH WATER: the risks and bio-diversity.



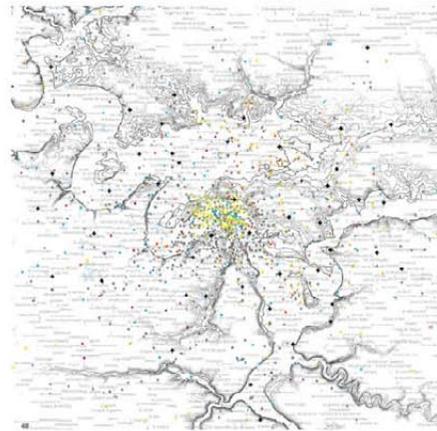
GREEN AND AGRICULTURAL SPACES: appropriation and bio-diversity.



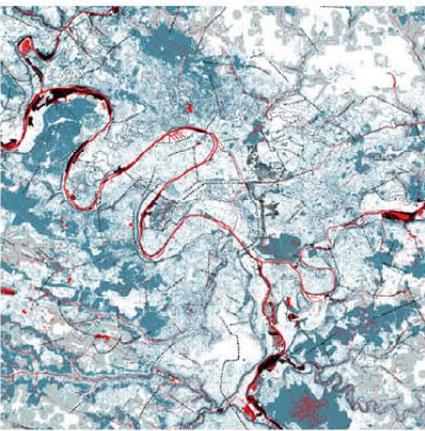
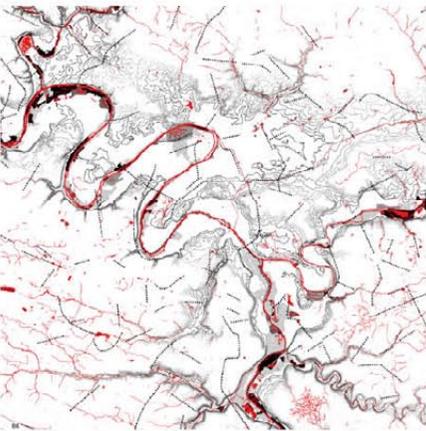
RESTRUCTURING THE METROPOLIS: energy, lifestyle, diversity.



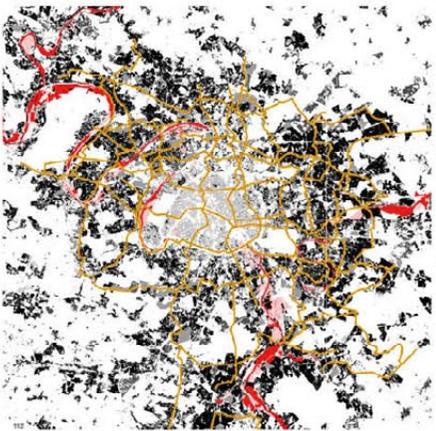
MOBILITY: a generalized accessibility.



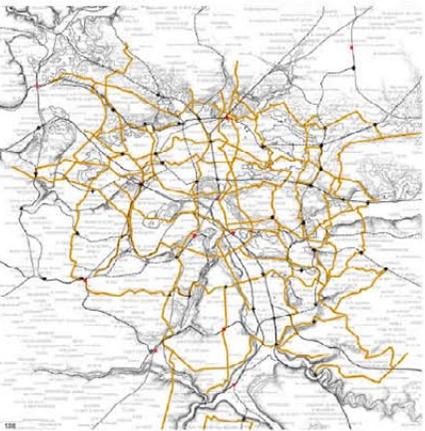
STUDIO 08_ Bernardo Secchi and Paola Viganò
Alessia Calò, Dao Ming Chang, Teresa Cos, Nicolas Fonty, Alvisè Pagnacco
IUAV, PhD in Urbanism Design
Lorenzo Fabian, Emanuel Giannotti, Paola Pellegrini



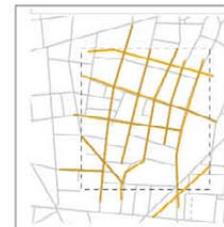
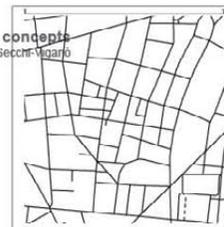
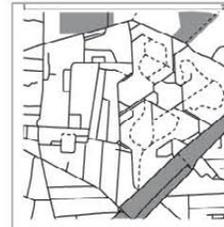
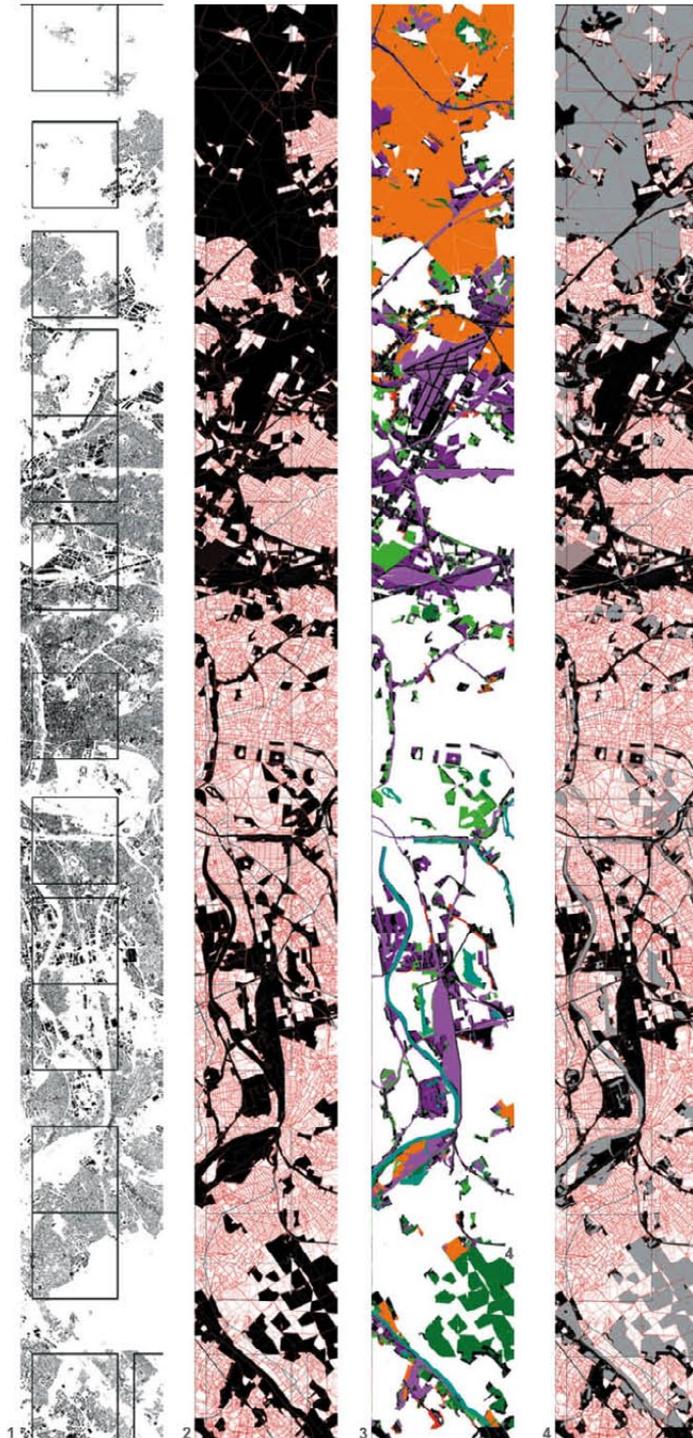
PTV France
Frédéric Reutenauer, Florence Prybyla
Ingenieurbüro Hausladen GMBH
Cécile Bonnet, Robert Fröhler



MIT and P-REX
Alan Berger, Clemson and P-REX Case Brown
MOX : Alfio Quarteroni, Piercesare Secchi
Carlo D'Angelo, Fabio Nobile, Fabio Della Rossa



EMU European Master in Urbanism
Photographies : Teresa Cos.



tissu 1x1 km
(ou REV pour MOX)

connexions (voies)

connectivité empirique

petit dictionnaire

porosité: c'est le rapport du vide au plein, du non bâti et du bâti.

porosité de fracture: dans le langage des géologues il s'agit de la porosité liée à des événements particuliers qui ont fracturé le matériau. Les tissus urbains sont fréquemment fracturés.

porosité de matériau: c'est la porosité liée à la constitution même des différents matériaux; par exemple des différents types de tissus qui peuvent être plus ou moins poreux, disponibles, au passage de pratiques et d'activités différentes.

connectivité: c'est la possibilité du mouvement d'un pore à l'autre par exemple dans un tissu urbain ou dans un espace agricole ou encore dans les différentes directions de la voirie. Une forte porosité ne garantit pas une forte connectivité.

perméabilité: la perméabilité mesure non seulement le niveau de porosité d'un tissu urbain, mais aussi son degré de connectivité. Elle s'exprime selon les sujets: ce qui est perméable à un piéton peut ne pas l'être à un bus; le piéton y passe, le bus non.

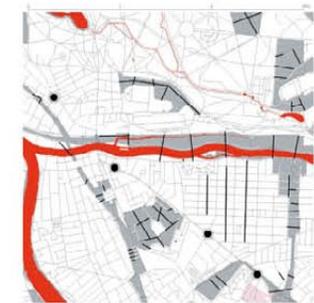
accessibilité: mesure l'effective possibilité de passer d'un point à l'autre, d'une partie à l'autre de la métropole grâce à des moyens de transport. Un lieu peut être accessible en vélo ou en tant que piéton mais inaccessible par tram ou par métro parce qu'aucun n'y arrive (ou parce qu'une fracture du tissu urbain s'y oppose). Porosité, connectivité et perméabilité sont des conditions nécessaires, mais non suffisantes à l'accessibilité.



perméabilité voitures
©équipe Studio 09, Secchi-Viganò



perméabilité piétons et fractures actuelles
©équipe Studio 09, Secchi-Viganò



perméabilité piétons, projet de connexions
©équipe Studio 09, Secchi-Viganò

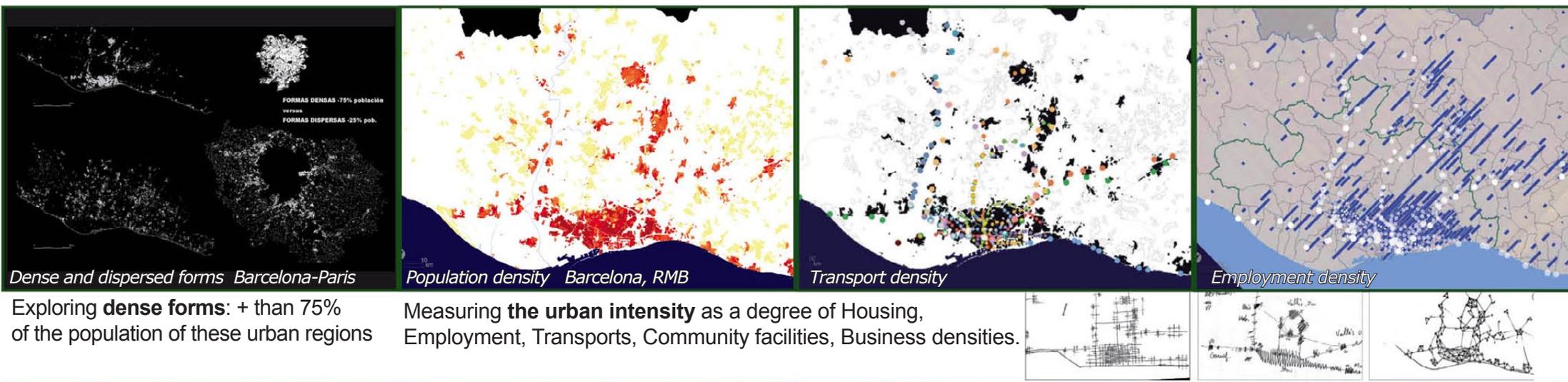


perméabilité résultante piétons + transport public
©équipe Studio 09, Secchi-Viganò



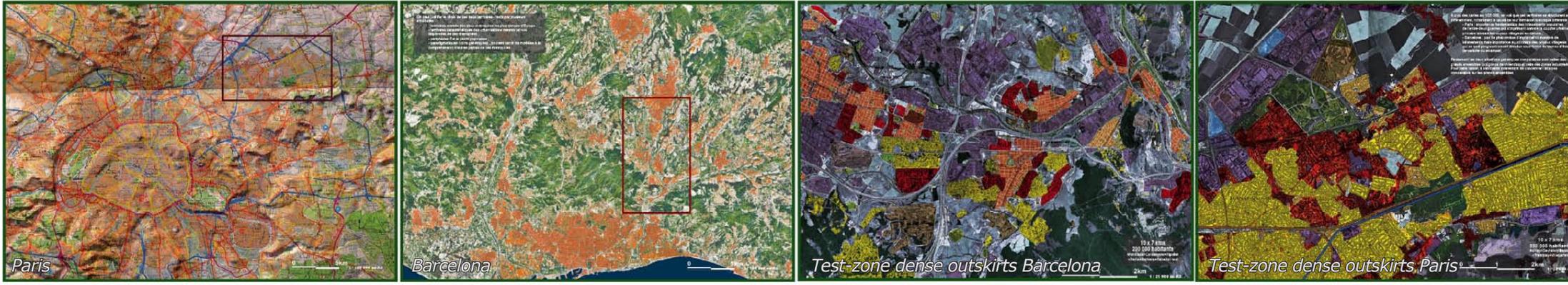
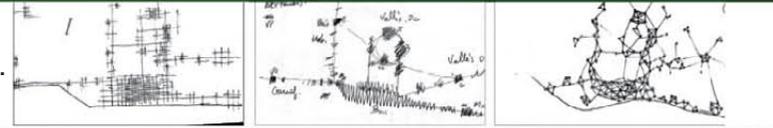
2008 LEARNING TO DECODE URBAN NEBULAE, PARIS-BARCELONA 11

Decomposing the scale interlock of urban forms and coupling analysis scales.



Exploring **dense forms**: + than 75% of the population of these urban regions

Measuring the **urban intensity** as a degree of Housing, Employment, Transports, Community facilities, Business densities.



We make the hypothesis that we are moving towards a model that favors the regeneration of dense suburbs, urban formations transitional between the

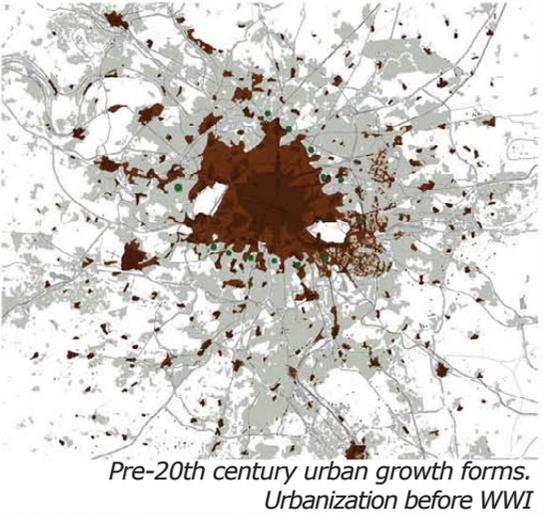
hyperdensities benefitting from reinforced mobility supply and dispersed urbanizations only accessible by car, and for the moment unsustainable.

Zooms on representative samples:
 - Releasing the generic from the contextual
 - Analyzing the densification process.

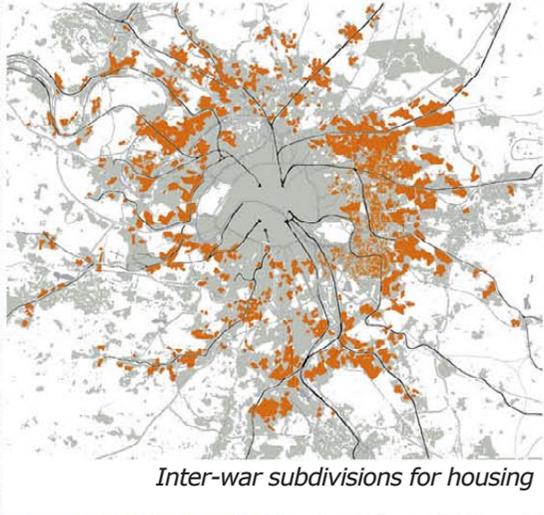
2004 **CONTEXTUAL vs GENERIC**
 a graphic and historic exploration of
 the Paris nebula, Master Research. **02**

The analysis of the Parisian morphogenesis, made mostly of **crises and periods of massive urbanization**, allows to identify important pieces of the metropolis puzzle.

Inside geographically or historically coherent territories these generic urban growth forms contextualize and adjust themselves to where they are implanted.



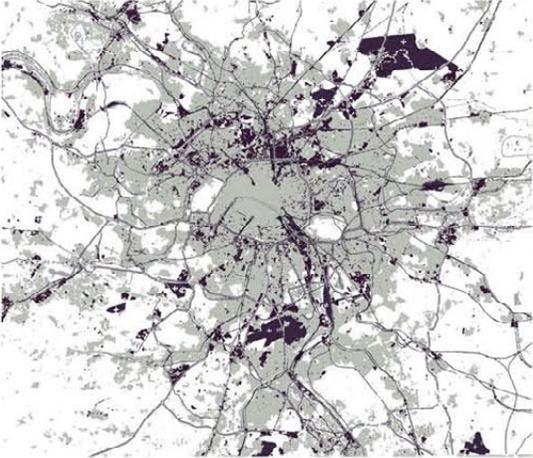
*Pre-20th century urban growth forms.
 Urbanization before WWI*



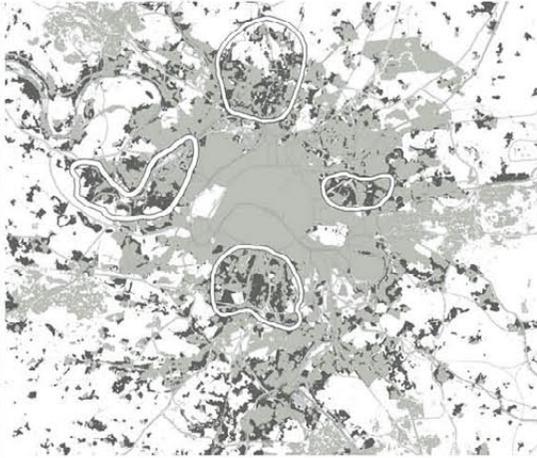
Inter-war subdivisions for housing



ZUP and Grands Ensembles (housing projects)



Businesses + Transports



Non identified ... of which 20th c. accumulation, also below

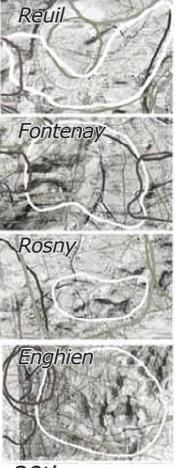


Villes Nouvelles, between dense and dispersed formations. ... to be more thoroughly explored...

This puzzle, mapped in an atlas accompanying the dissertation, shows much more of a dense form of agglomeration around a center than a dispersed, extensive or reticular urban territory.

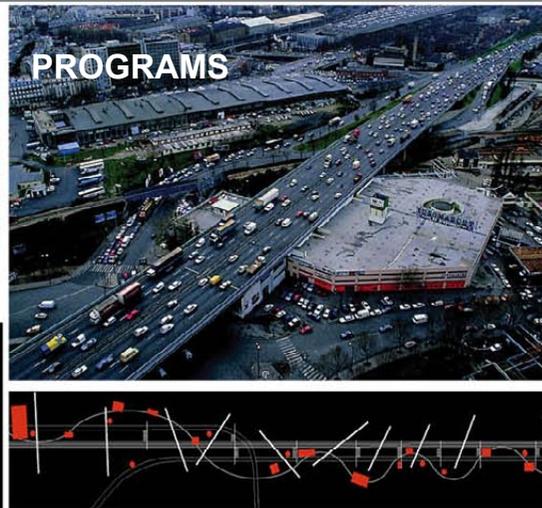
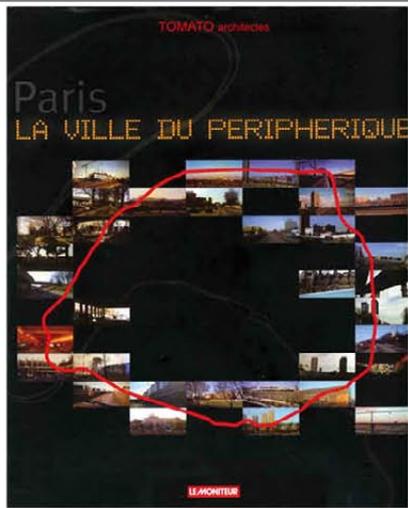


Territorial forms of the Paris agglomeration



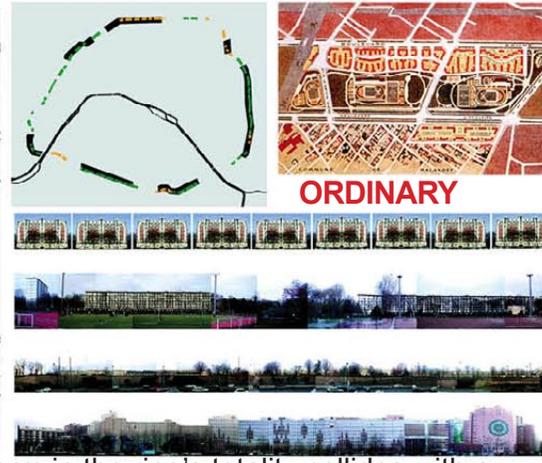
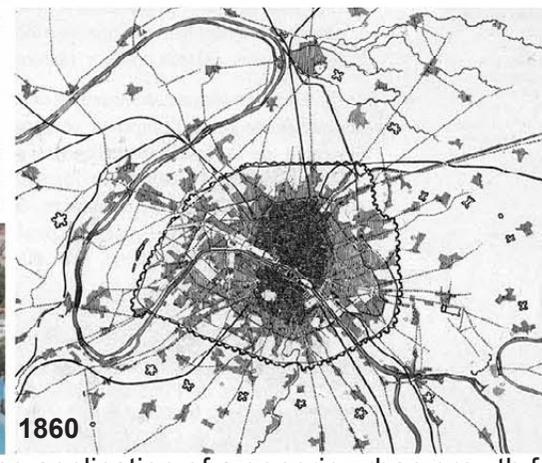
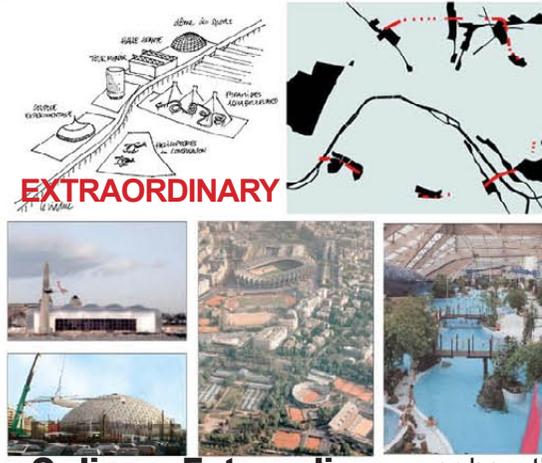
20th c. accumulation, generally a relief situation.



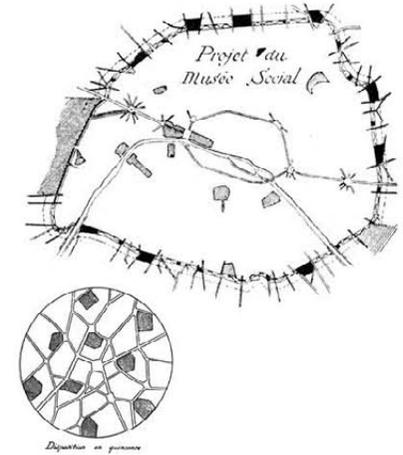


1999 THE CITY OF THE PÉRIPHÉRIQUE
TOMATO collective
Editions Le Moniteur, 2003. 01

A publication that examines a territorial form between Paris and its suburbs, a 150 year collage of the most important Parisian urban projects. A city form, specific through its open urban landscape with its distant perspectives, its programs on a metropolitan scale and its monumentalized architecture staged «from the road».



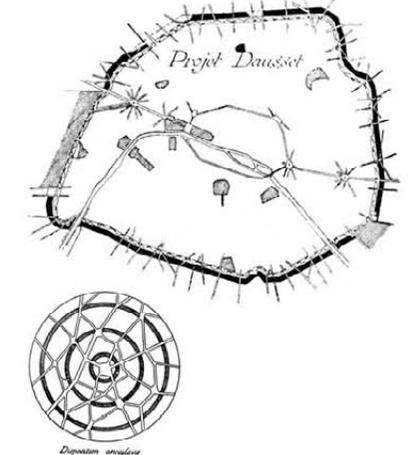
Ordinary Extraordinary : or how the application of a generic urban growth form in the ring's totality collides with a certain number of the territorial context's extraordinary accidents. (article co-written with Toma Damisch).



HÉNARD Project - plots



Accidents - extraordinary plots



Projet DAUSSET - linears

Urban growth forms generic - ordinary linears