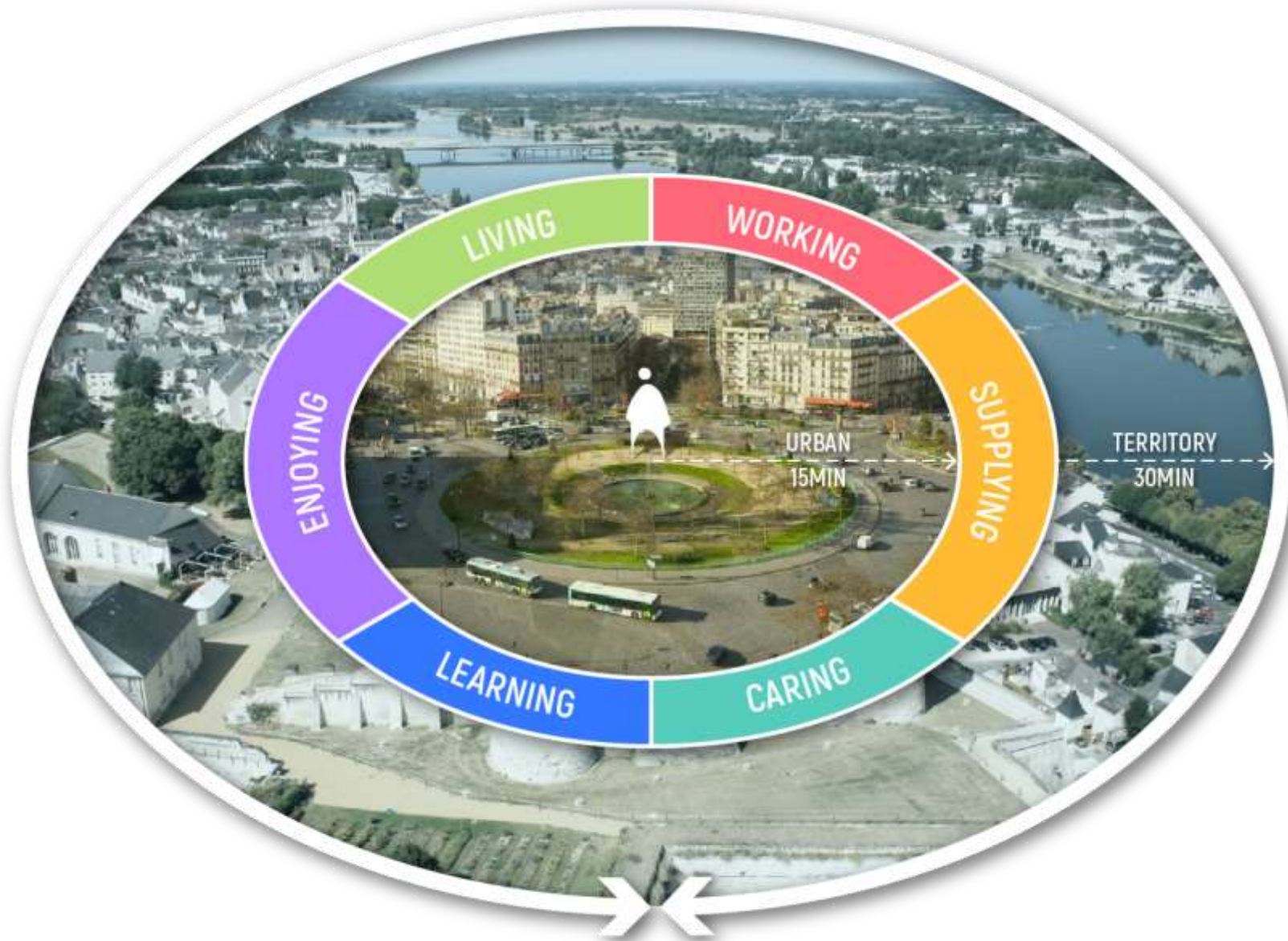# METHODOLOGY

PARIS NORTHGATES PROJECT
15 min. city - 30 min. territory

Urban and Territorial Transitions

BOOKLET – PARIS NORTHGATES 2019

Design: Seunghoon Han, ETI Chair

HAPPY CITY, HAPPY LIFE
15 min. city - 30 min. territory

**The six urban social functions have been defined by
a systemic analysis:**

- Living
- Working
- Supplying
- Caring
- Learning
- Enjoying

The HQSL Traceability Matrix revolves around these six functions and will be cross-referenced with the three states of the "peaceful" or "happy" city:
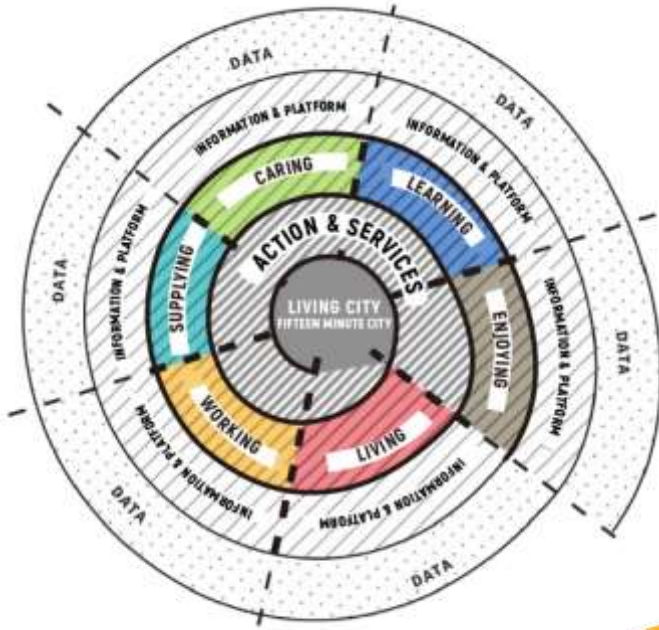
- Well-being (me and my family)
- Sociability (interaction with my neighbors, my coworkers...)
- Inclusive planet

A scale : the fifteen minute city or the half hour territory

The traditional boundaries of cities are taking a step back and making way for a territory that people live in and use. These perimeters, which are fifteen minute wide within the city and a half hour wide within a sparsely populated territory (on foot, by bike, in public transportation, etc.), will make it possible to better spatialize the gaps:

- To develop local services related to the previously mentioned social functions,
- To make a better use of the existing infrastructures and reveal hidden local resources (crowdsourcing...),
- And to rethink urban planning in order to limit the use of polluting modes of transport through polycentric territories, infrastructure sharing and the development of proximity based on digital technology.

Design: Camille Chevroton, l'École de design Nantes Atlantique

DATA

INFORMATION & PLATFORM

ACTION & SERVICES

LIVING CITY
FIFTEEN MINUTE CITY

CARING

LEARNING

SUPPLYING

ENJOYING

WORKING

LIVING

ENJOYING

LEARNING

CARING

SUPPLYING

WORKING

LIVING

WELL-BEING

SOCIABILITY

SUSTAINABLE PLANET

Design: Seunghoon Han, ETI Chair

THE "HIGH QUALITY SOCIAL LIFE" MATRIX
Implementation of the 15 min. city - 30 min. territory

One of the main objectives of the ETI Chair is to project a methodological approach to urban changes and territorial changes in order to conceive new services based on the concept of hyper proximity.

- With this methodology, the end goal is to create a model that can be replicated and implemented into different territories, at multiple scales.

- The objective is to develop a prospective action of visualization, diagnosis and simulation, in order to formulate hypotheses of urban and territorial transformation.

- Building a digital aggregation platform based on a very thorough exploration of territorial resources will make it possible to develop tools to imagine the ideal transformations of a territory.

- The aim is to design urban life planning around the High Quality Social Life (HQSL) concept, a concept driven by Professor Moreno's research and in which the essential functions are accessible through soft mobility within less than fifteen minutes in the city and within less than thirty minutes in the territory, and are cross-referenced with the three urban states (well-being, sociability, inclusive planet).
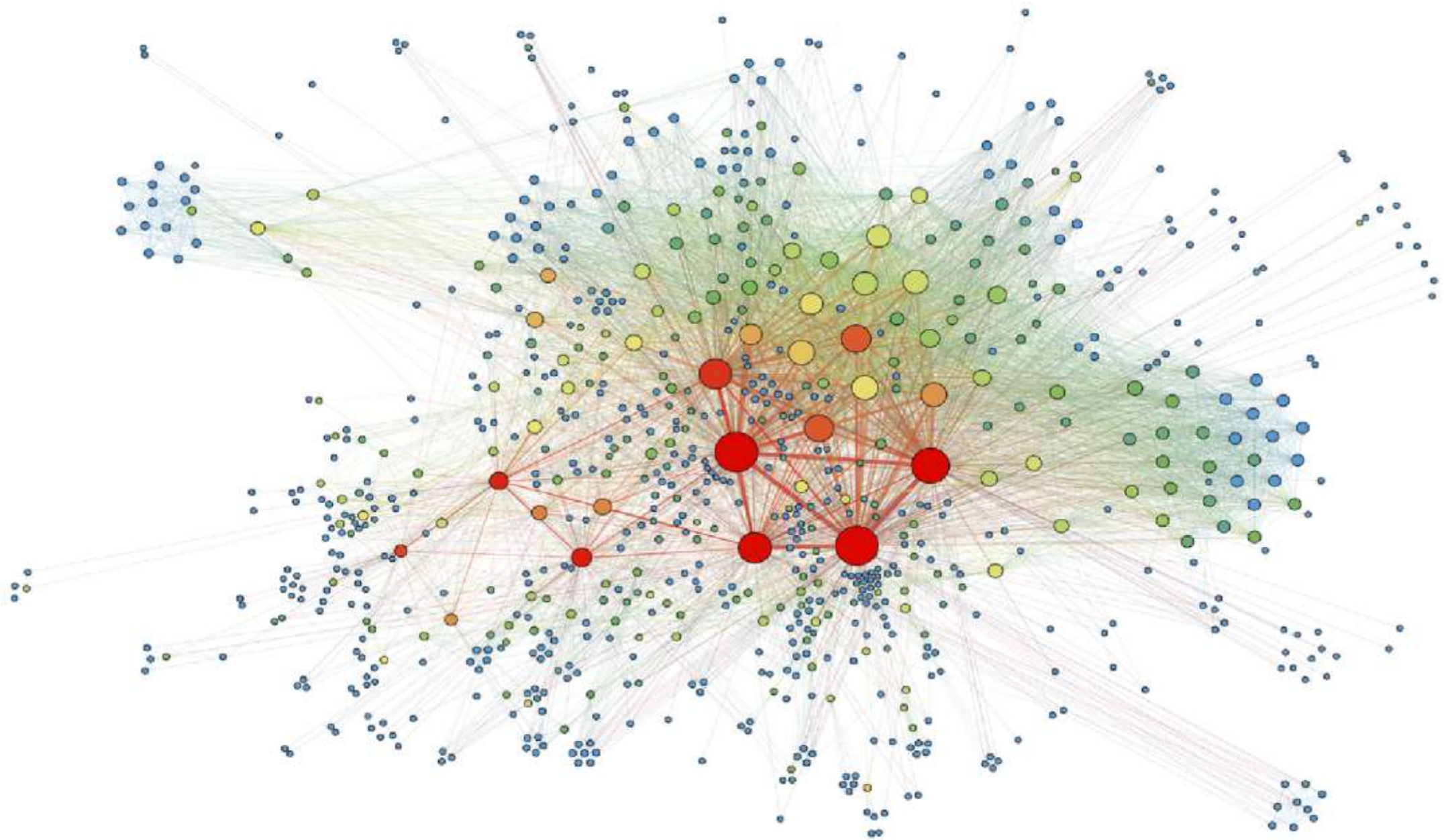
Design: GFI

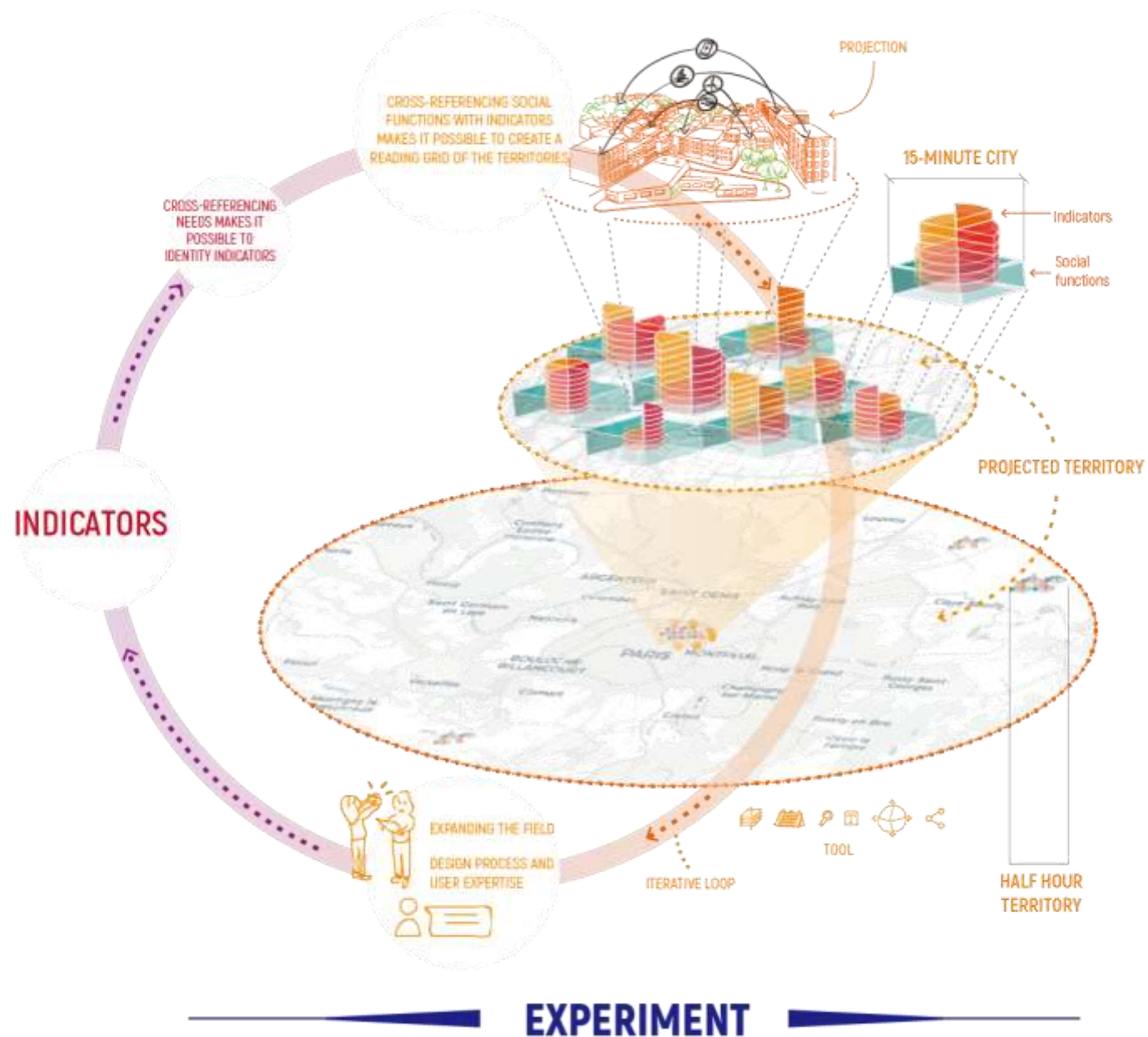**What best way to characterize these social functions?**

Each social function is characterized by a set of meta-data models and by the interactions between variables that improve the social function. It is thus a question of identifying and determining which kinds of data (open data, user contribution) should be introduced into the ontology.

These social functions are also characterized by the needs expressed by users and enhanced by the drafting of various scenarios.

The indicators: the gears needed to plan the city

The entire course of action will be processed on the basis of a transformation of territorial data associated with geolocated processing in order to generate cross-associations (resources / infrastructures / services / uses) to improve the existing and future supply, or to anticipate observable or predictable changes.

The generated indicators will provide a first "reading grid" of the territorial dynamics. But they will be more than a reading tool, they will also be a decision support tool that helps shed light on service offers that respect both the inhabitant and the territory, and helps project balanced development scenarios.

PROJECTION

CROSS-REFERENCING SOCIAL FUNCTIONS WITH INDICATORS MAKES IT POSSIBLE TO CREATE A READING GRID OF THE TERRITORIES

15-MINUTE CITY

Indicators

Social functions

CROSS-REFERENCING NEEDS MAKES IT POSSIBLE TO IDENTITY INDICATORS

INDICATORS

PROJECTED TERRITORY

EXPANDING THE FIELD

DESIGN PROCESS AND USER EXPERTISE

TOOL

ITERATIVE LOOP

HALF HOUR TERRITORY

EXPERIMENT

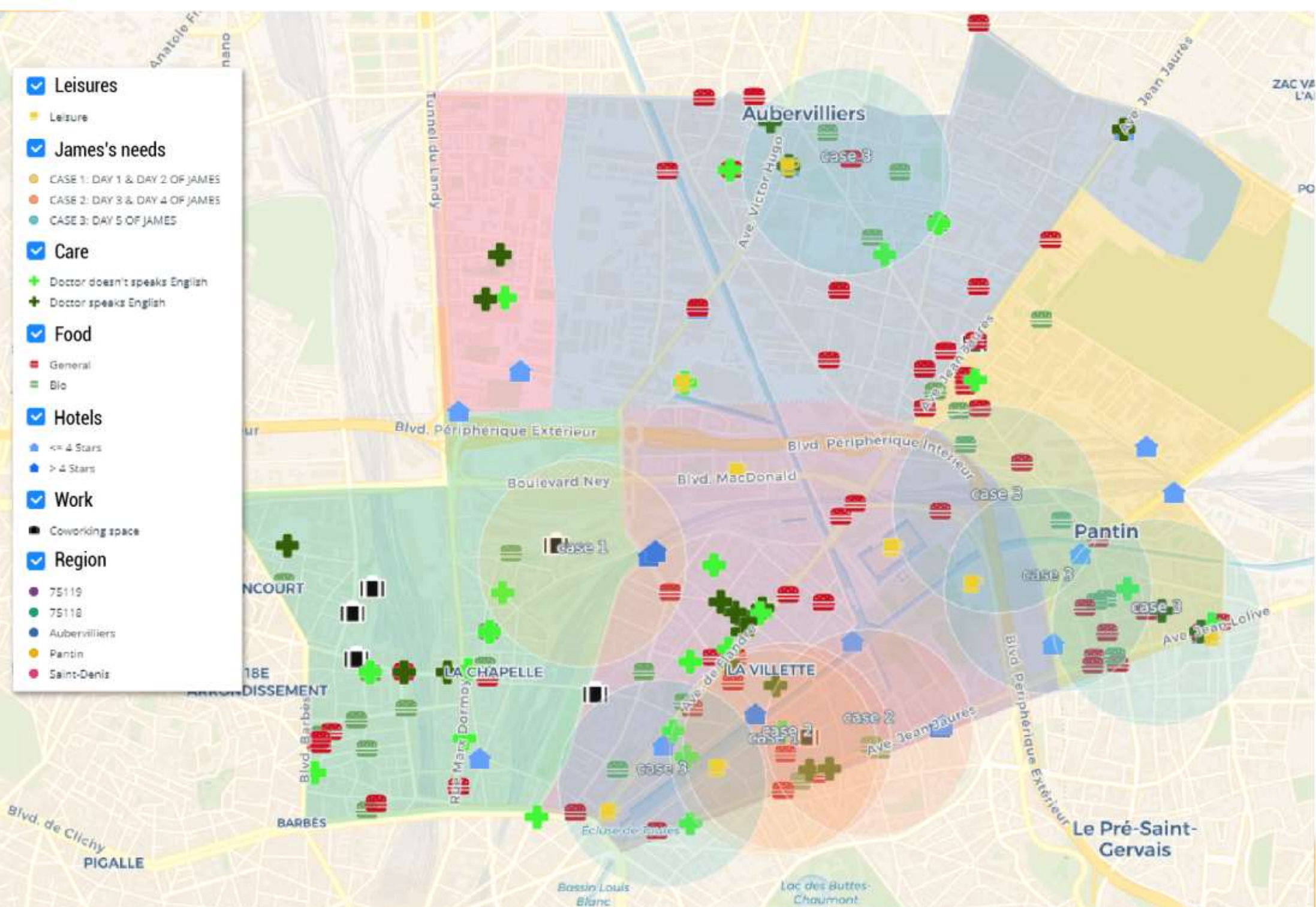Design: Camille Chevroton, l'École de design Nantes Atlantique

VISUALIZING THE INFORMATION
Developing a digital platform

Several development phases leading to urban experimentation are yet to come:

- Visualizing the completeness / incompleteness
- Making a territorial diagnosis
- Assessing assumptions
- Formulating transformation strategies

The Paris Northgates project is the pilot of an exploratory and open approach. The social functions and related indicators are still being developed within the framework of the Chair alongside its various partners (Universities and schools, local authorities and public bodies, companies). They structure a reading grid with one of the focuses being data frugality. This pattern will be tested through field experiments within the various hubs of the Chair.

Legend:

Leisures
- Leisure

James's needs
- CASE 1: DAY 1 & DAY 2 OF JAMES
- CASE 2: DAY 3 & DAY 4 OF JAMES
- CASE 3: DAY 5 OF JAMES

Care
- Doctor doesn't speaks English
- Doctor speaks English

Food
- General
- Bio

Hotels
- <= 4 Stars
- > 4 Stars

Work
- Coworking space

Region
- 75119
- 75118
- Aubervilliers
- Pantin
- Saint-Denis

IMPLEMENTATION
James, a 27-year-old tourist persona

A simple and easy to use way of visualizing, within the territory and depending on the position, the location of these various functions, will help each and every citizen make informed decisions on their future living space and daily itinerary.

The citizen could thus position himself, choose various options and live in harmony. He could not only be at peace with his well-being, but also with that of his relatives and that of the planet, and achieve that by living in a city with a width of fifteen minutes (of soft mobility), the fifteen minute city or the half hour territory.

Through a better identification of shortcomings on the territory, the Mayor will thus be able to set up urban policies for the transformation of the territory and come up with a sustainable vision in accordance with the needs of the citizens.

Sample scenario – representing using mapping

James, a 27-year-old tourist from the United States, has come to Paris for a 5-day seminar.

As a tourist, James's needs evolve and change as the days go by:

- on the 1st day, he essentially needs to find a place to stay (hotel), and to eat (restaurant, supermarket)
- on the 2nd day, having thrown his back, he needs to find a doctor who can speak English,
- on the 3rd day, he wants to work with colleagues after his seminar and find a coworking space,
- during the last two days, he essentially wants to enjoy the city while having fun (bar).

WORK TEAM AND CONTRIBUTORS

WORK TEAM

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WE THANK OUR PARTNERS

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