

The background is a dark blue map with a hexagonal grid overlay. Red dots of varying sizes are scattered across the map, representing data points. Some dots are clustered in certain areas, while others are more isolated. The map also shows some light blue lines representing roads or waterways.

modality.

**Offering every citizen
a sustainable solution
for everyday mobility**

Issue



The real challenge is to guarantee sustainable mobility solutions for everyday life to **each citizen, on 100% of the territory.**

Not to process big data

- ⚡ 9 out of 10 people would like to **reduce the ecological** impact of their daily travels.
- ⚡ 7 out of 10 people find it **difficult**, if not **impossible**, to achieve this.
- ⚡ The transport sector is **the biggest emitter** of greenhouse gases: 30% of emissions.

Today’s mobility is **multimodal**, sustainable and passenger-centric.

Our use of mobility data must be too.

 2012	 2022
Mode by mode network centric	Multi-modal passager centric
The demand must adapt to transport supply	The transport supply must adapt to demand
Decision-making is partitioned network by network	MaaS requires cross-cutting decisions
Data is siloed and difficult to access.	Data is abundant , increasingly open and standardized.
Analyses are carried out by consultants or GIS experts on a specific and ad hoc basis , in PDF.	Decision makers capitalize on data knowledge with interactive and shared SaaS tools .

Towards a multimodal and passenger-centred culture of mobility data.

There are more and more mobility open data.
Not taking advantage of it is a loss of opportunity.



What's the recipe?

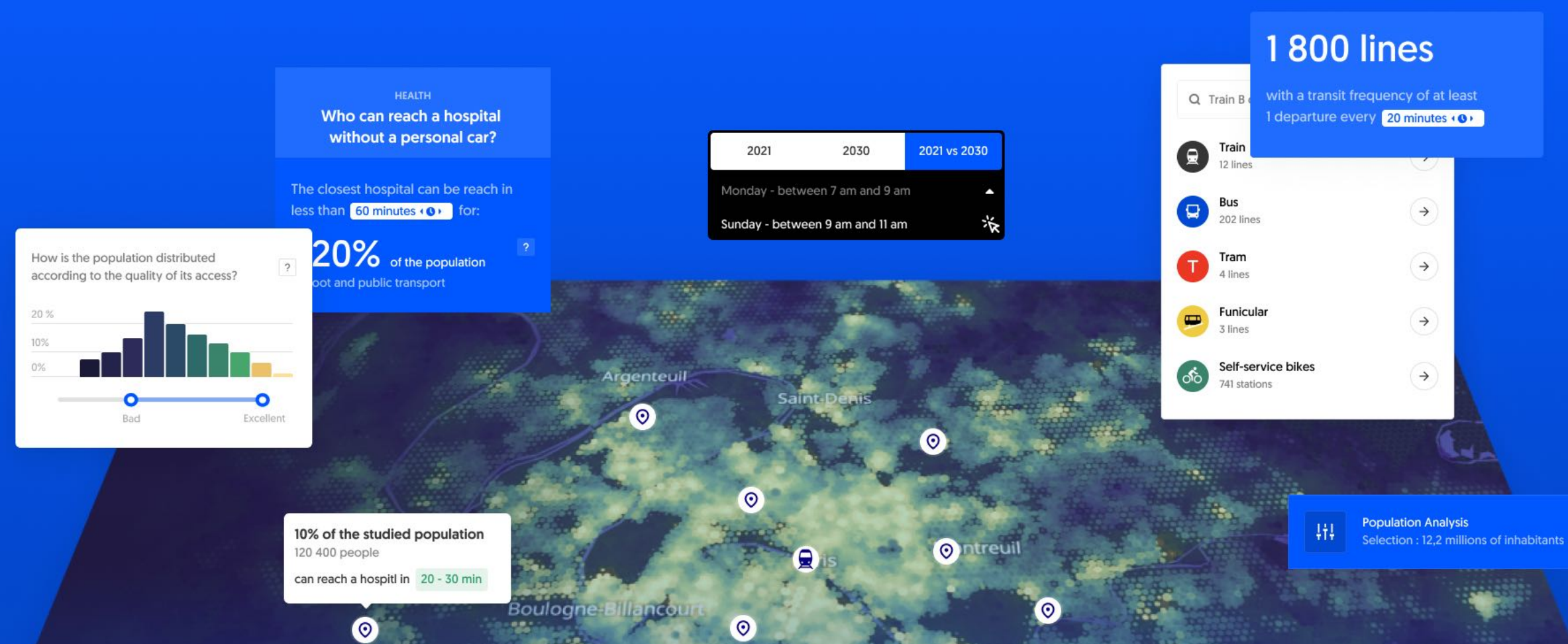
- 1 - Having **all data in one place**, harmonized, searchable without intermediaries.
- 2 - Have **a diagnostic tool for intermodality**, from a territorial perspective
- 3 - Have a tool to **test new solutions**, continuously



« By ensuring that micromobility and public transportation are the fastest most cost-effective option for most trips, integration can lead to improved urban resilience, better air quality, fewer greenhouse gas emissions, and more livable cities. »

modality.

Is a SaaS tool to **analyse, coordinate and simulate** all transportation options in an area, presenting them as a single global offer.



How does it work?

1 - Have all data in one place

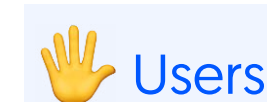
A processing chain that **automates the collection and cleaning** of data in each territory.

2 - Have a diagnostic tool for intermodality

A powerful **multi-mode travel time calculator**, which translates data into indicators describing the quality of the mobility mix.

3 - Have a tool to test new solutions

A visual and interactive interface, suitable for decision-makers who are not data experts, to facilitate consultations.



Users

Local authorities

Operators, Shared
mobility players

Mobility planners,
Town planners



Use Cases

Intermodality diagnosis

Multimodal mobility
planning

Tender responses

Mobility Observatory



Value

✓ Time savings

✓ Better data literacy

✓ Better decision making

✓ Better communication

How does it work?

1. All the data in one place

When you subscribe to Modality, you choose the territory(ies) for which you want to analyse mobility.

Already available in Modality:

- Top 10 biggest French Metropolis : Paris, Marseille, Lyon, Lille, Bordeaux, Toulouse, Nantes, Nice, Grenoble, Toulon

On demand in Modality:

- Any European urban area where open data is available.

Is your territory not available yet?

We add it in a few days.

By default, the tool contains all the mobility data available in opendata on a territory.

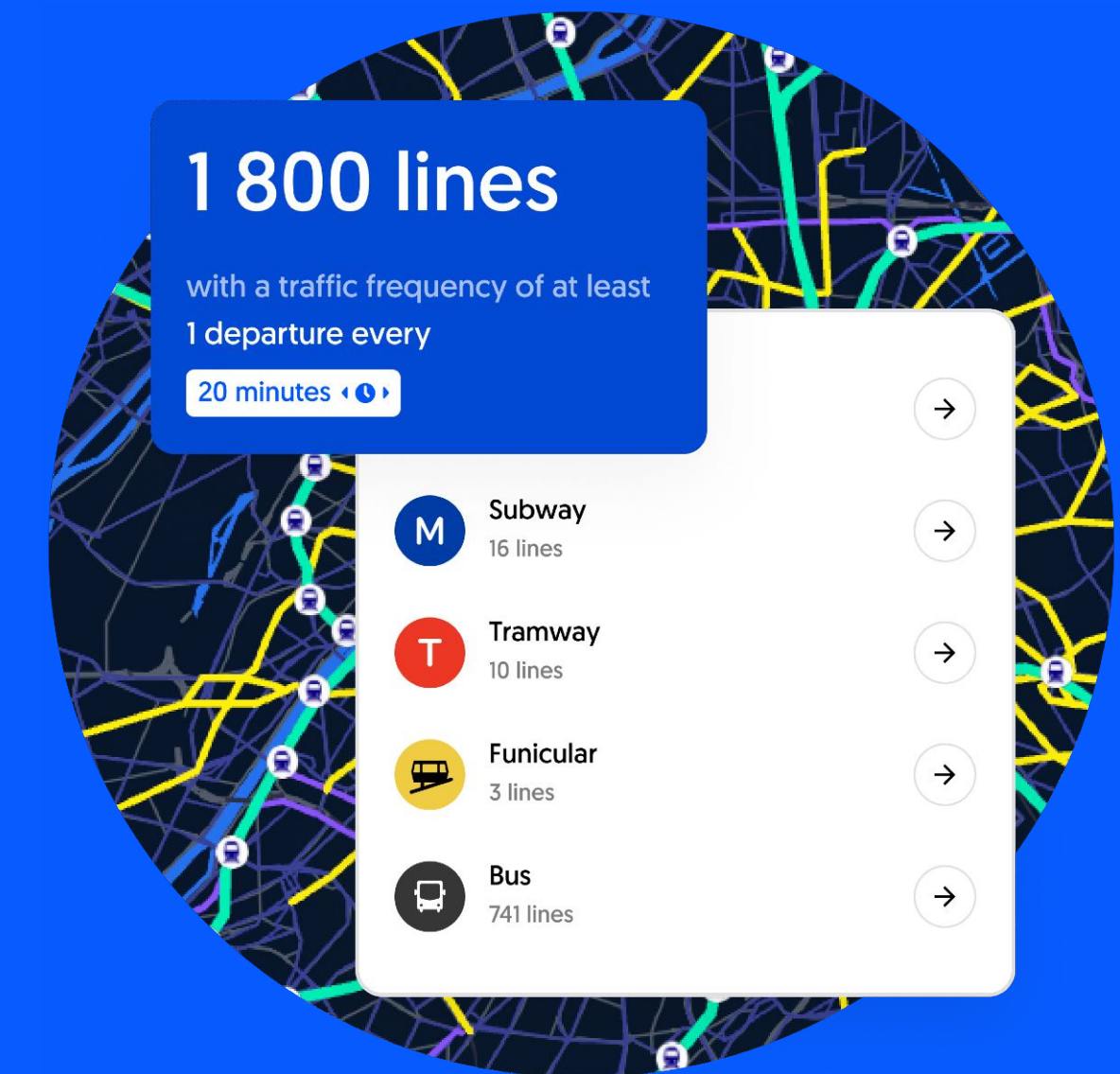
The data is automatically cleaned, processed and updated regularly.

Already available in Modality:

- Theoretical public transport offers (GTFS)
- Shared bike and scooter fleets (GBFS)
- Relay parking, cycle lanes, bicycle parking, lockers
- Modal shares and socio-demographics of inhabitants
- Real-time transit tracking soon
- Self-service bikes and scooters availability soon
- Traffic congestion soon
- Commute flows soon

Do you have data that is not in opendata?

You can import them into the tool.



- ✓ SaaS online tool, always up to date
- ✓ Cross-network & comprehensive vision
- ✓ Time savings
- ✓ Facilitated collaboration between businesses

How does it work?

2. A diagnostic tool

For each territory, you access turnkey studies:



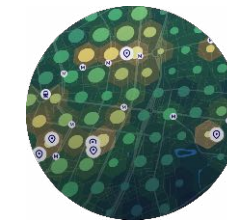
Multimodal network map

How are all the available solutions articulated in the territory?



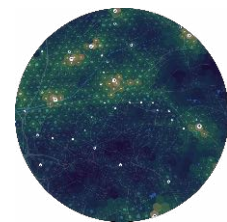
Diagnosis of white areas

Who are the inhabitants who have no alternative to the personal car?



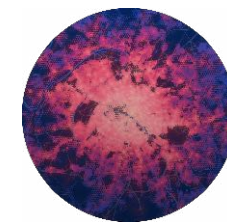
Access to POIs

How long does it take to get to the nearest hospital / cinema / university / etc.?



Travel time by mode of transport

From a selected address, how long does it take to go to (or come from) each point in the territory (isochrone)



Access to jobs

Where is transport modes coordination most/least effective?

soon

Connections Observatory

soon

Attractiveness compared to the private car and CO2 saved

soon

Analysis of mobility flows



- ✓ Autonomy against experts and consulting firms
- ✓ Simple, visual and interactive interface for non-data experts
- ✓ Citizen-centric indicators
- ✓ Intermodal travel time calculations

How does it work?

3. A tool to test new solutions

In each study, you customise and modify the working hypotheses as often as desired, with immediate repercussions on the results consulted.



Add your data

A future scenario, a new mobility solution, a list of POIs, etc.



Compare modes of transport.

On foot, by bike, by public transport, using the self-service bike terminals or not, combining the different modes or not.



Vary the time period

Weekday or weekend day. Morning peak or evening peak, nights, etc.



Export data to other tools

.CSV or .GeoJson exports



Change preferences

Maximum waiting time, maximum travel time, station accessibility level.



Filter the study population

According to age, income level, unemployment rate, mode of transport used, etc.



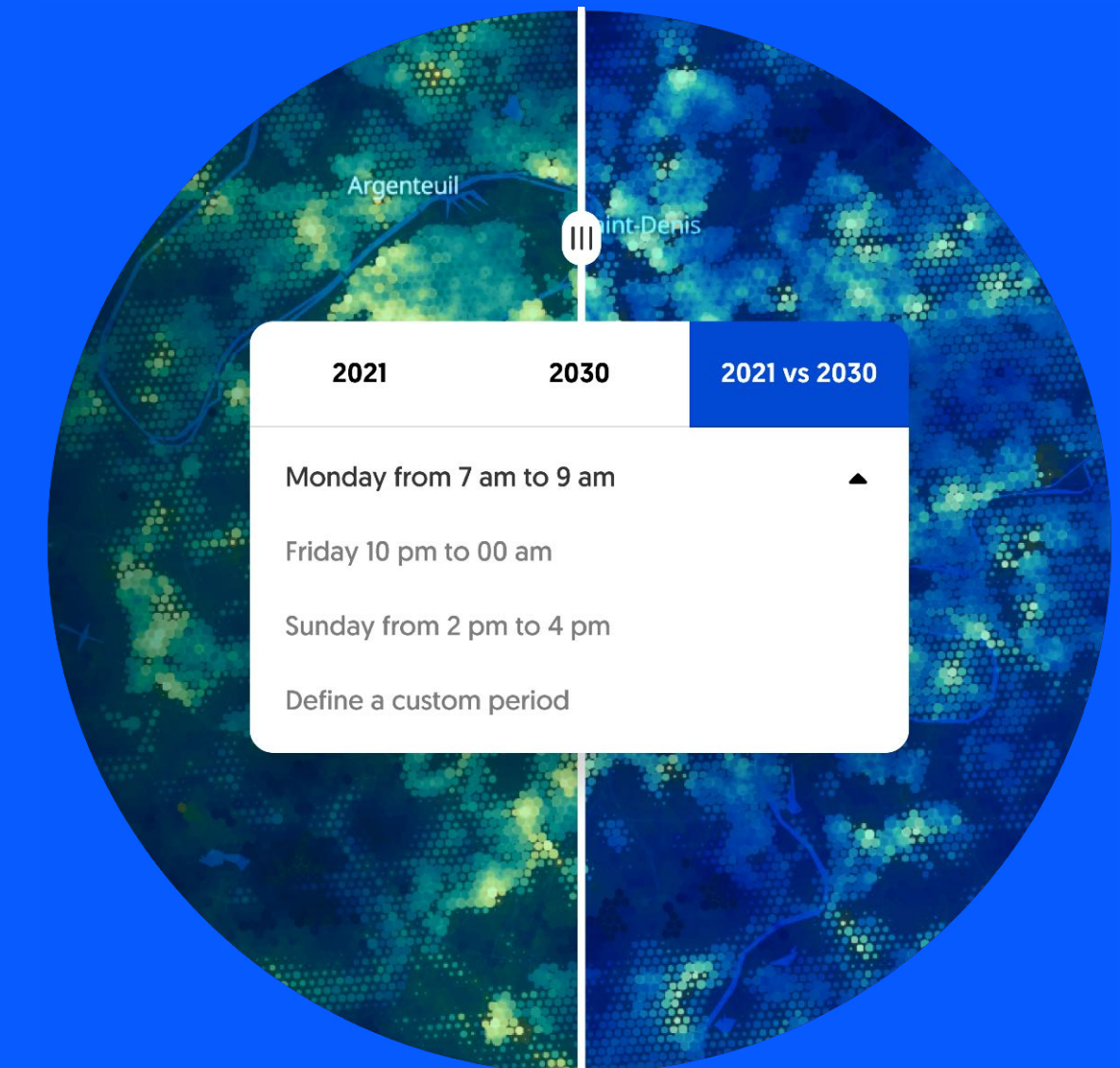
Edit mobility scenarios

Live modification of station or terminal locations, frequencies, etc. [soon](#)



Share your studies

Collaboration mode, Access rights differentiated by user [soon](#)



- ✓ Study multiple scenarios in a short time and autonomously
- ✓ Anticipate the impact of a new scenario
- ✓ Communicate your plans clearly
- ✓ Reach consensus faster

Demo

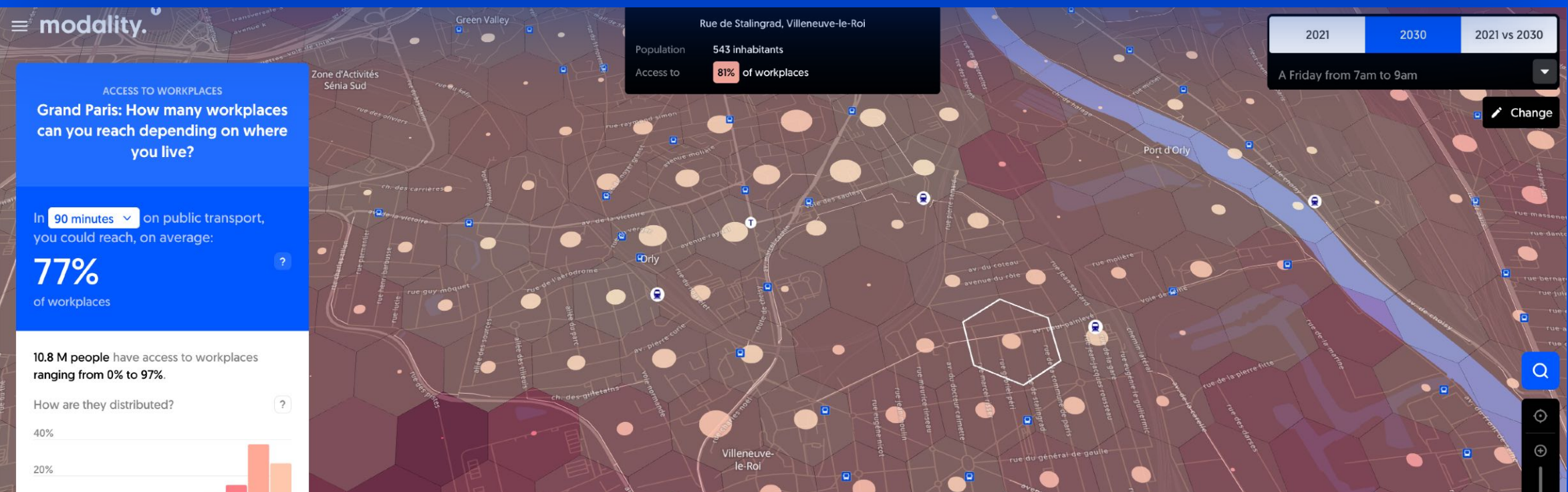
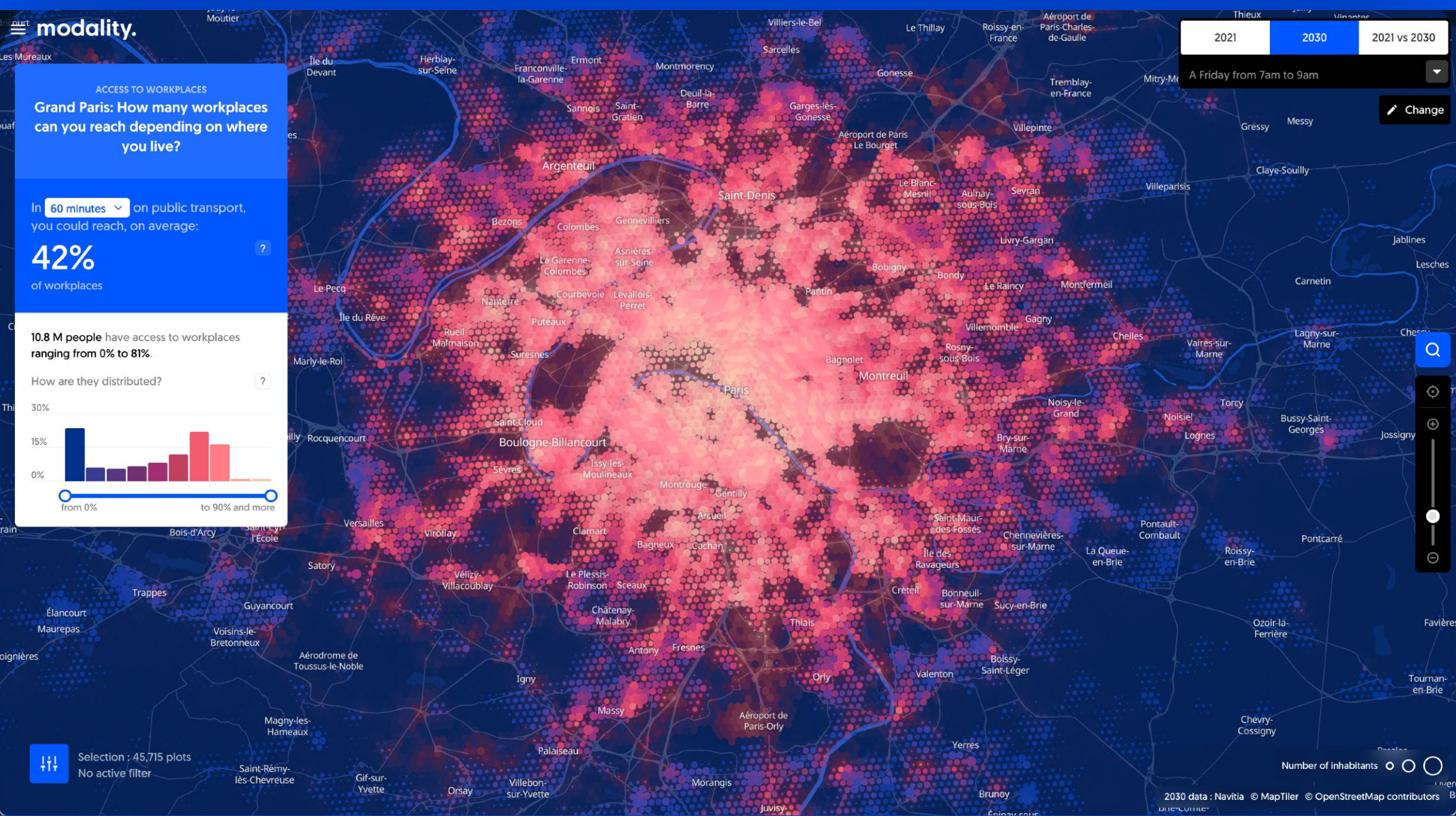
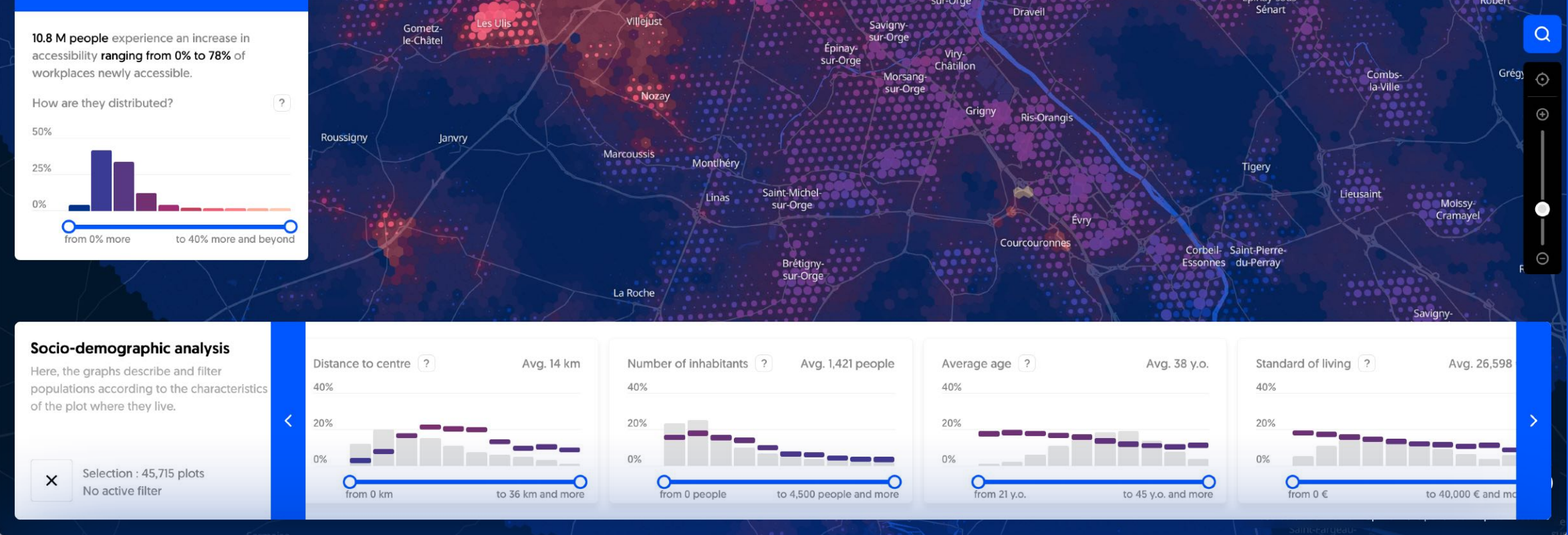
Test Modality via our case studies:

demo.with-modality.com

showcase/modality-bordeaux

Discover all the features:

with-modality.com

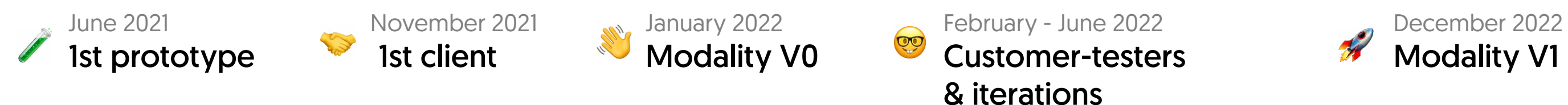


What is the plan?

We are improving Modality with early adopters

Feedback from early Modality user customers helps us prioritize the next features added, and future enhancements.

You can help us make Modality a tool for our new era of mobility.



Modality is edited by [Dataveyes](#),
un studio that specialises in [human-data interactions](#).

At Dataveyes, we have been working for 10 years with major players in European transport: Michelin, SNCF Réseau, RATP Dev, Alstom, TEC, etc.

We saw the potential of data to design mobility that's adapted to the challenges of tomorrow's cities.

With Modality we want to make data easier to use to address environmental and social challenges.



modality.

Website : with-modality.com - Demo : demo.with-modality.com

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