POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION
ANNUAL CONFERENCE 2020

Région îledeFrance

New data and digital tools to better understand and guide freight flows in urban Regions

Examples from Île-de-France

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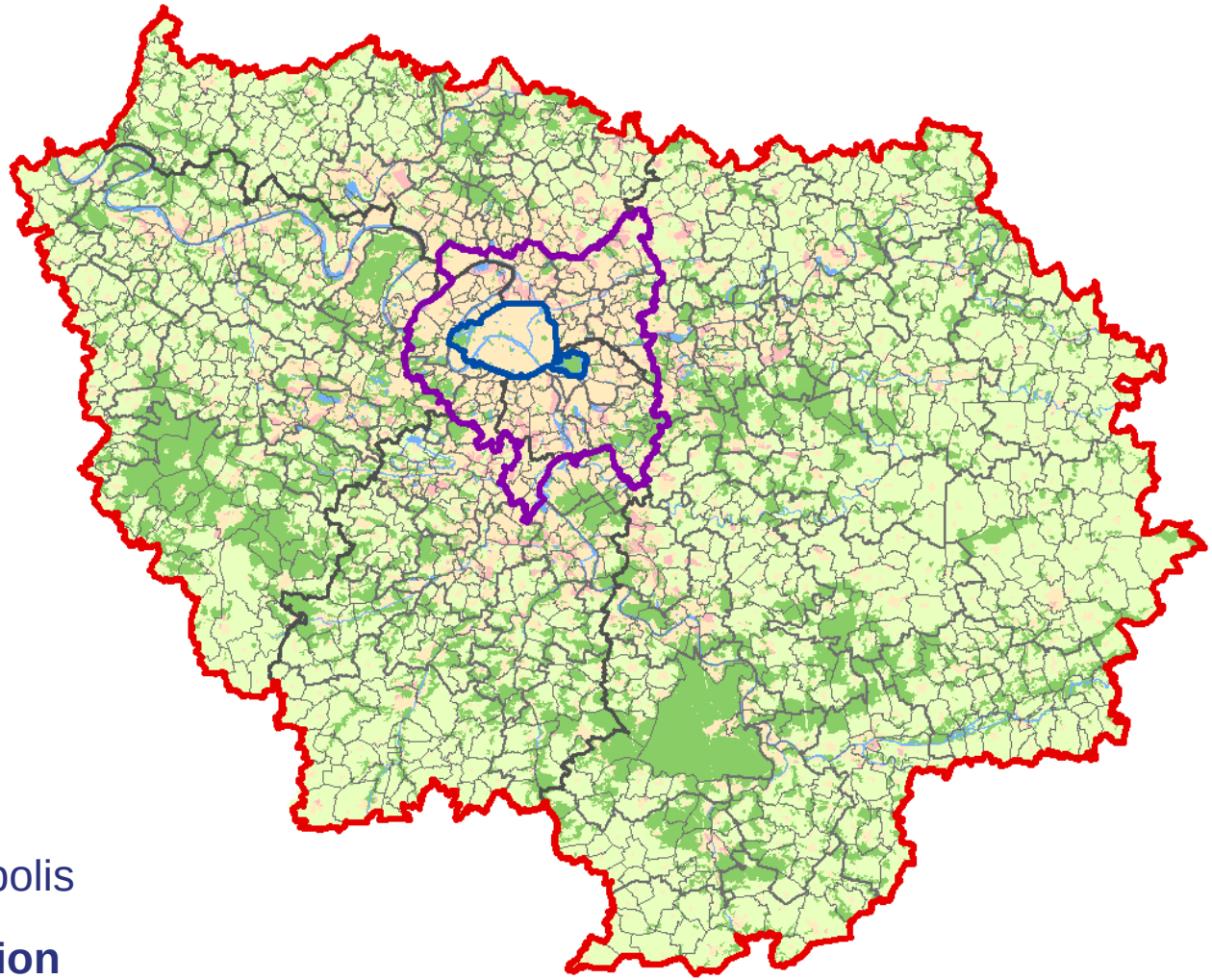
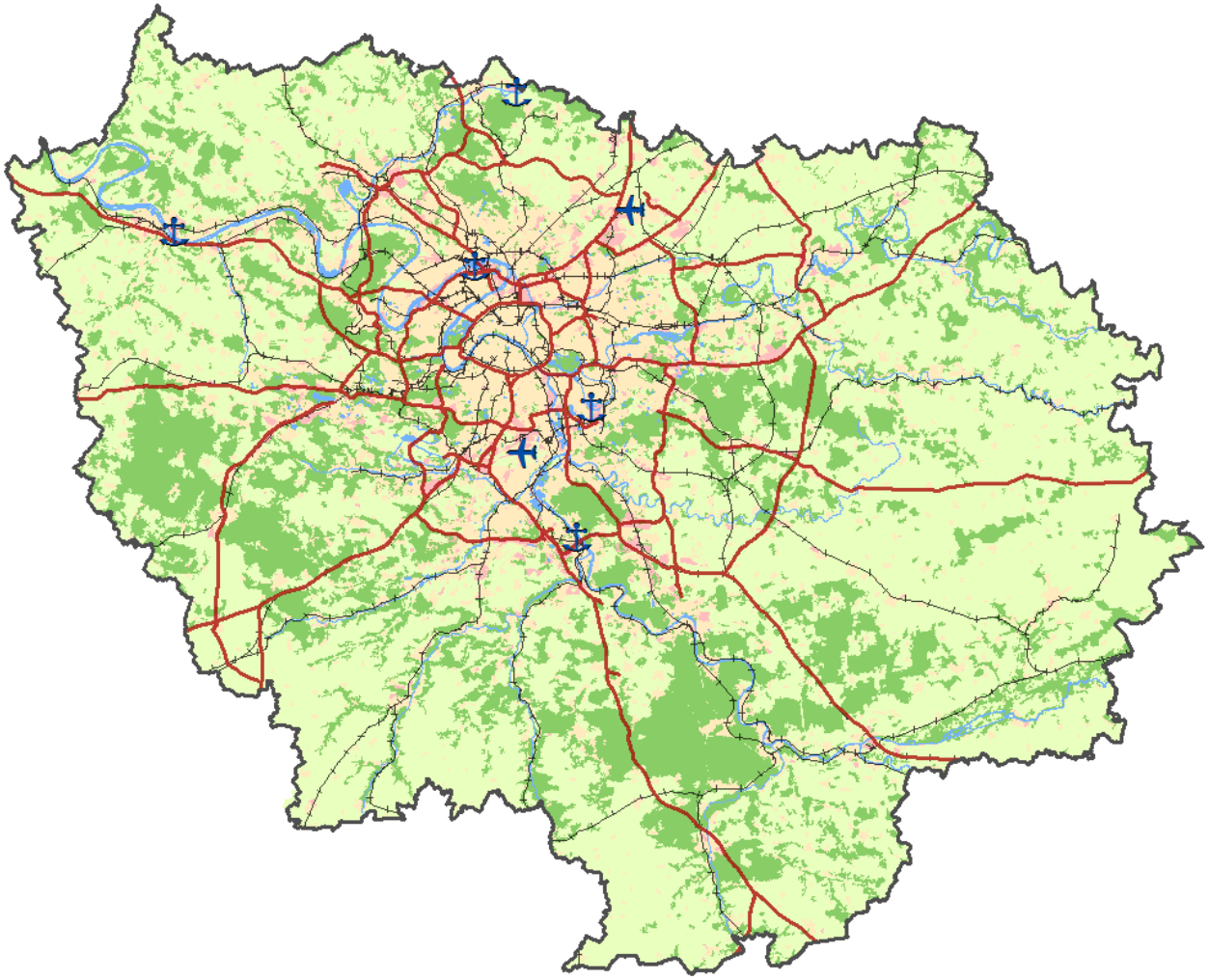
Île-de-France : the Paris Region authority



- Municipalities
- Inter-municipalities
- Departments
- City of Paris
- Grand Paris Metropolis
- **Île-de-France Region**

Île-de-France : the Paris Region authority



Within the regional remit:

- **Transport**
- **Economic development**

→ 12M inhabitants (18% of the French population)

→ 31% of the French GDP (4% of the EU GDP)

→ French transport hub for each mode

Regional strategy for Freight and Logistics

➔ The regional strategy **Acting for a controlled, efficient and innovative logistics** was adopted on 15 March 2018

How to combine economic and social performance and environmental excellence:

- Strenghtening regional attractivity
- Reducing the nuisance
- Promoting local development through the logistic sector
- Stimulating innovation
- Coordinating actions and federating stakeholders

Main issue: lack of data on freight and logistics activities

Regional strategy for Freight and Logistics

First semester 2020 call for project

Objective: support partnership-based pilot projects and demonstrators, jointly developped by private stakeholders and local authorities.

Amount of the subsidies: up to 50% of investments costs, capped at 500 K€

22 projects, 7.7M€ of subsidies:

- **Waterway transport and intermodality:** 5 projects, 1.43 M€
- **Last mile logistics:** 5 projects, 1.87 M€
- **Innovative and connected equipment and infrastructures:** 6 projects, 2.29 M€
- **New methods applied for data collection and treatment:** 6 projects, 1.99 M€

Data collection and treatment project: EVOLUE

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Stakeholders:

France Supply Chain by Aslog

Institut du COMMERCE PARTAGE & PROSPECTIVE

Club Déméter Logistique Responsable

GRAND PARIS SEINE OUEST

➔ **Construction and experimentation of innovative transport optimisation solution, based on modelisation using real freight data**

- Collection, normalisation and anonymisation: database construction
- Analysis of the present situation: data analysis, KPI (performance and externalities), « black spots » identification
- Scenarios modelisation: technological and organisationnal innovations, public policies, territorial evolutions…
- Experimentation on the ground: iterative process (simulation – experimentation) and improvement of optimisation tools

Data collection and treatment project: VISU TRAFIC

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Stakeholders:

Orange Labs | MINES ParisTech | VersaillesGrandParc communauté d'agglomération | VILLE DE PARIS

➔ **Real time detection and identification of Freight vehicules movements, thanks to Orange mobile phone network database**

- Identification of Freight vehicules among Orange network users, with artificial intelligence using external databases (GPS recording of transport companies, on the ground metering data…)

  → Different kind of vehicles: trucks, utility vehicles
  → Different kind of routes: delivery tours, direct routes…

- Demonstrator in Versailles Grand Parc and Paris, with the objective to cover whole France

Data collection and treatment project: EPLEI

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Stakeholders:

MATRICE

cnes
CENTRE NATIONAL D'ÉTUDES SPATIALES

INSTITUT VEDECOM
DU VÉHICULE DÉCARBONÉ ET COMMUNICANT ET DE SA MOBILITÉ

Paris expo Porte de Versailles
Un site VIPARIS

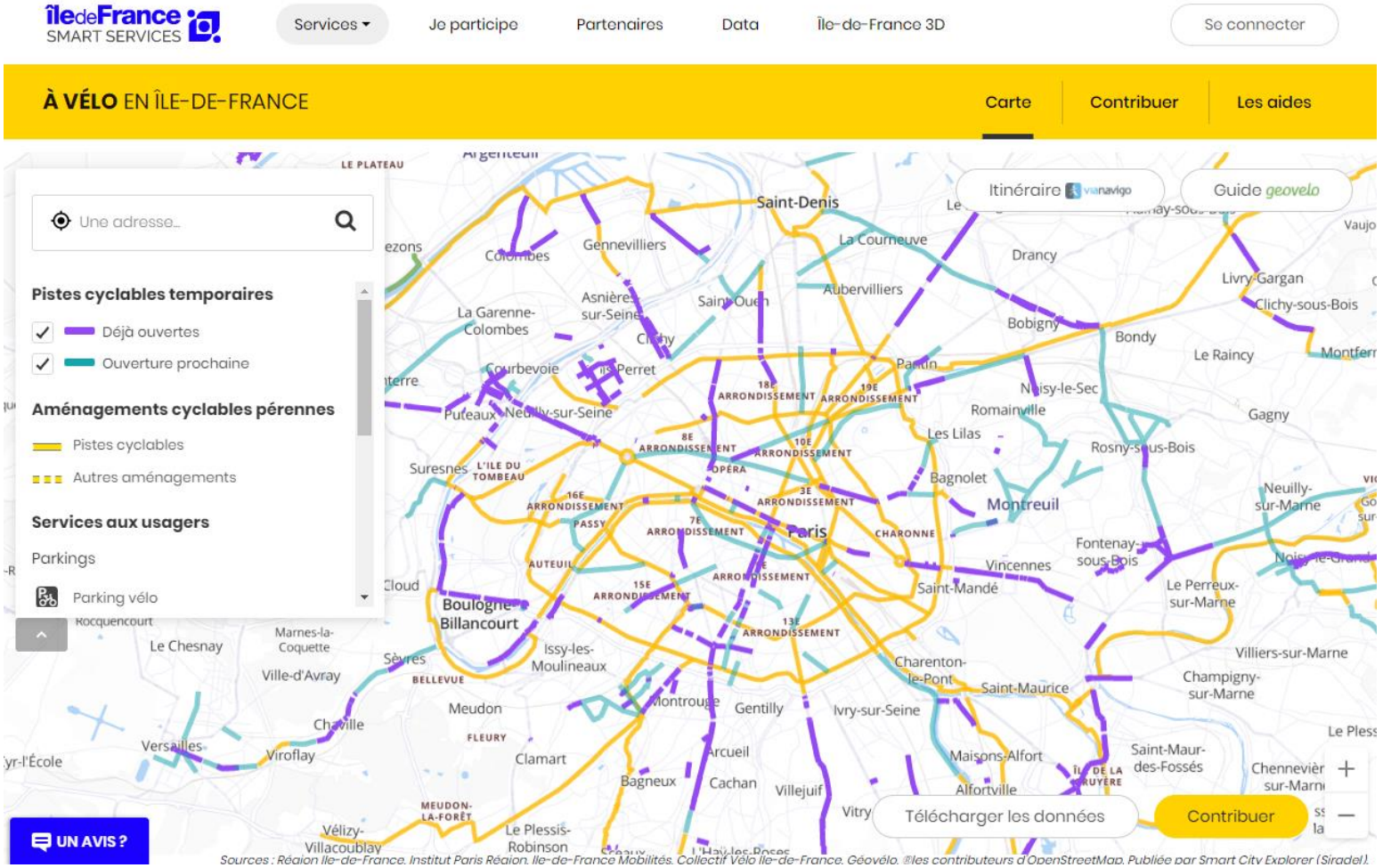
MAIRIE DU 15 PARIS

➔ **Online and automated tool to analyse the logistics characteristics of facilities and buildings, based on satellites imagery**

- Internal characteristics: size, capacity, accesses, manoeuvring surfaces, docks…
- Environment: territorial characteristics, infrastructures, accessibility…
- Situation in a transport network: accessibility to other facilities, network construction and analysis

Île-de-France Smart Services

➔ **Online platform hosting smart services based on public or private open data and developed through a process of open and collaborative innovation**



https://smartidf.services/

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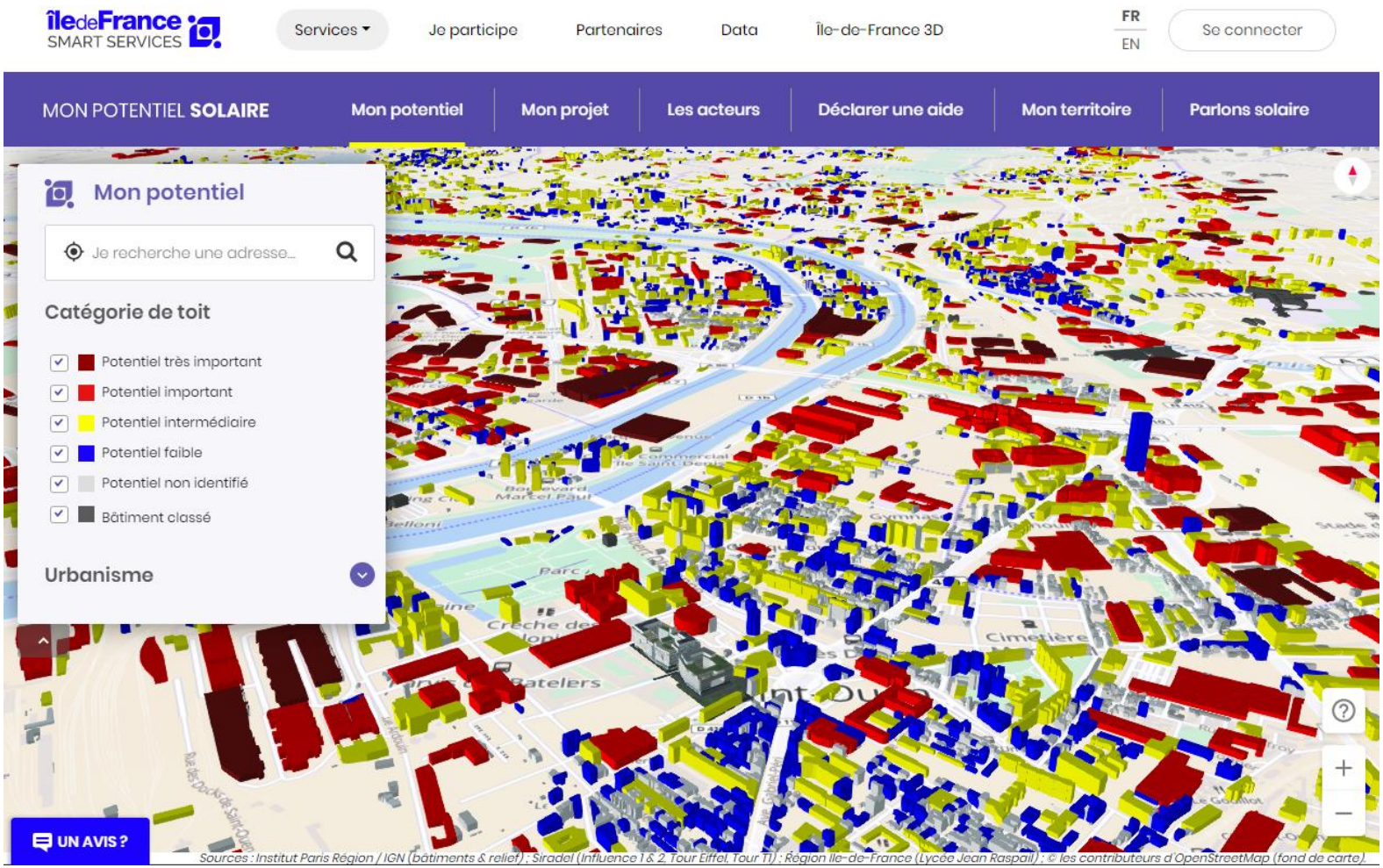

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