PRIM functional documentation

The Regional Mobility Information Platform

Available data

Contents

Preamble

The role of Île-de-France Mobilités

Île-de-France Mobilités is the Organizing Authority for Sustainable Mobility (AOMD) in the Ile-de-France region.

It designs, organizes and finances public transport for all Ile-de-France residents.

The company **also guarantees the quality of passenger information (transport offer, timetables, fares and disruption information).**

IDF Mobilités currently has an Information System dedicated to collecting, storing and distributing public transport data. This consists of about **fifteen interfaced applications**, which ultimately offering:

- A range of services for passengers through websites and mobile applications

- Data and APIs for developers/re-users through the site prim.iledefrance-mobilites.fr

The passenger information business target must register in a **global trajectory** towards **MaaS (Mobility-as-a-Service)**. This essential step consists of **creating a Regional Mobility Information Platform (PRIM)** that:

- Aggregates the entire passenger information offering in terms of services and data;

- Feeds several Front Offices dedicated to different audiences, primarily those of Ile-de-France Mobilités, but possibly also to other customer Front Offices

Available data

Datasets

The data catalog

In the datasets catalog, you'll find over sixty datasets classified according to different themes.
You can consult the list of available datasets and access their information pages.
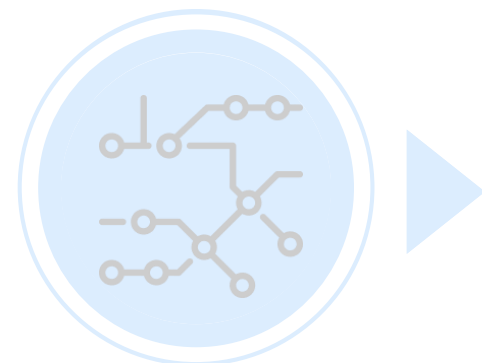The dataset service offers data visualization through maps.

Bikes & New Mobilities
Datasets, mainly "Bicycle" data

Traffic and Timetables
Datasets for traffic information and monthly schematic maps of roadworks
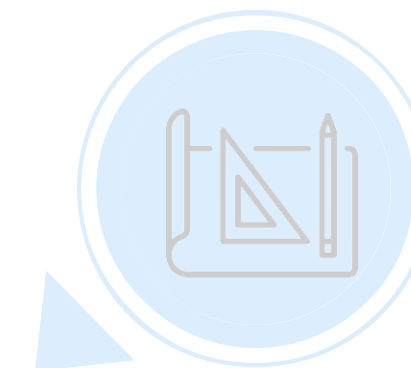
Data outside the LOM law
Datasets on various administrative information

Stops
Datasets including stop repositories, schematic plans and layouts, stations and terminals
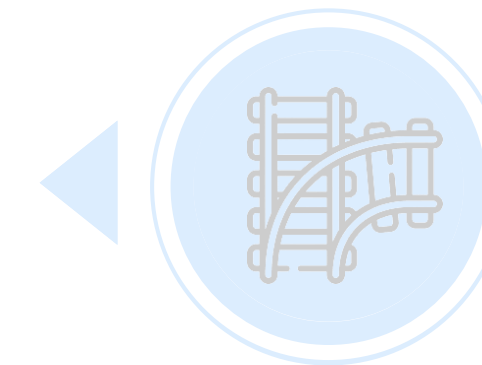
Transportation infrastructure
Datasets describing available facilities

Lines
Datasets including line reference systems, timetables, maps and schematic layouts

Accessibility
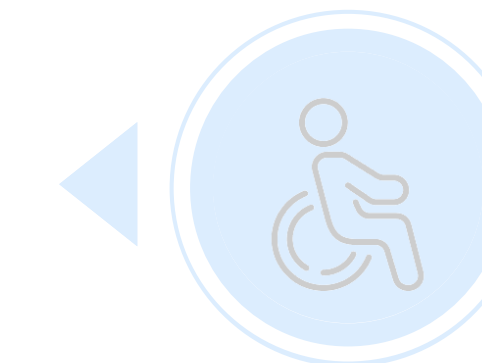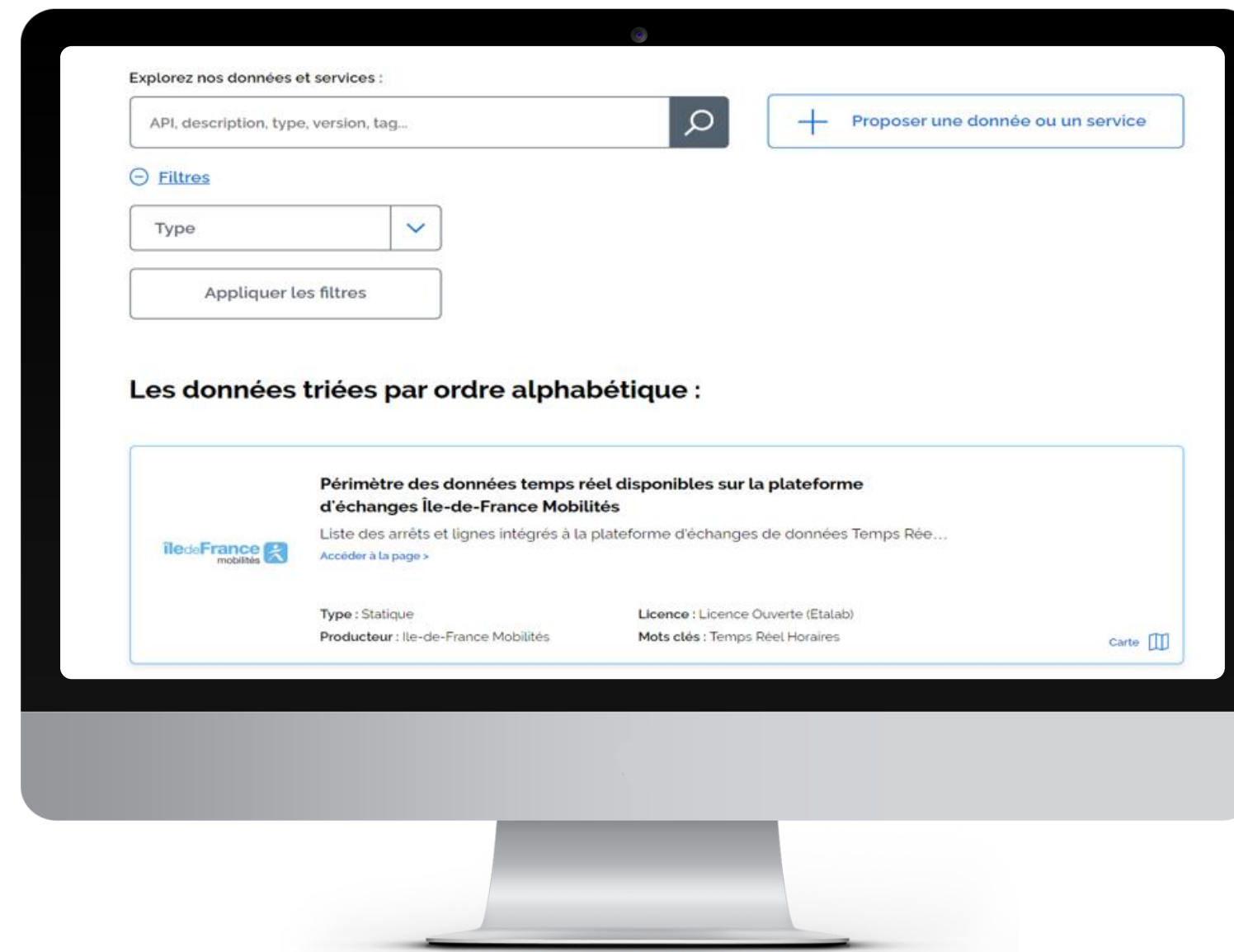Datasets including programmed accessibility master plans and elevator status

Fares & Sales
Datasets describing the available transport offer as well as fares and points of sale
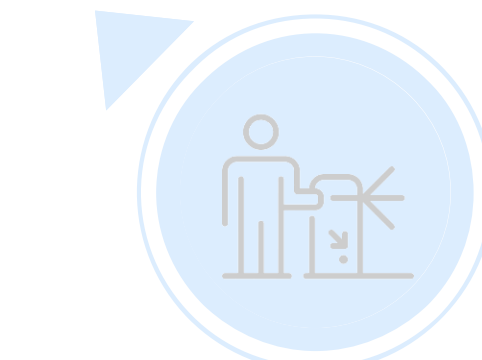
Measured ridership
Datasets showing validation data for the various networks

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Available data

API and widget

The different APIs and widget

API & WIDGET
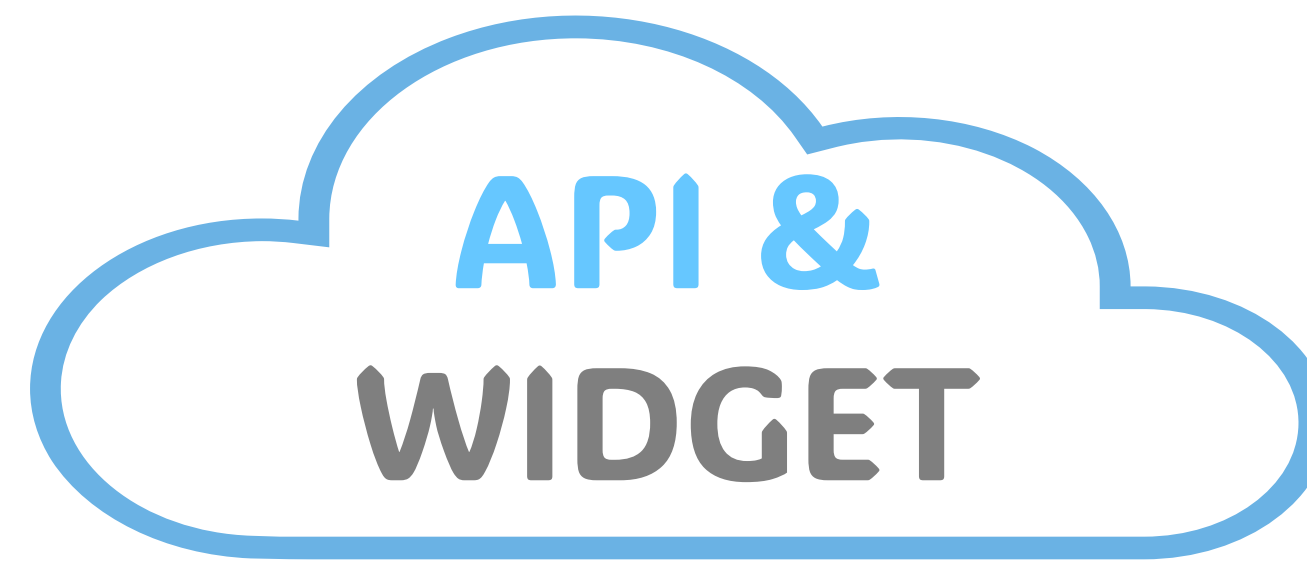
Next passages Real time

Next Passages (IDFM platform) - Global query
Next transit times for all currently available stops in the network, in a single exchange..

Next Passages (IDFM platform) - Unitary request
Next passages at a stop or on a line.

Traffic information messages

Trafic messages - Global query
Full information on current and upcoming disruptions, as well as the list of lines and stops affected.

IDFM Calculator - Traffic info messages
(timetables, routes, network structure, lines and stops, etc.)

Messages displayed on screens (IDFM platform)
RATP, SNCF, ALBATRANS disruption messages

IDFM calculator (Navitia)

IDFM Calculator - Generic access
(timetables, routes, network structure, lines and stops, etc.)

Widget: White label Itinerary search
Multimodal route planner for integration directly into a website

IDFM Calculator - Isochrones
(timetables, routes, network structure, lines and stops, etc.)

News Mobility: Bicycle

Bicycle route calculator - Geovelo
Bicycle route calculator API returns a safe, adapted route

Real-time availability data - Bicycles and terminals – Vélib
Real-time data on the number of bicycles available at each station and the number of free terminals at Vélib' Métropole stations.

Different possible response codes

200   The request is successful, and you receive a reply

400   Query contains unknown identifiers
--->We advise you to check that the combination: (StopPoint,[ArRId]) or (StopArea, [ZdAId] or [ZdCId]) of the MonitoringRef parameter is correct.

401   You are not authorized to access the API
403   --> We advise you to renew your token and check that it has been added to your request header.

404   Your request contains an error
--> We advise you to check your call parameters
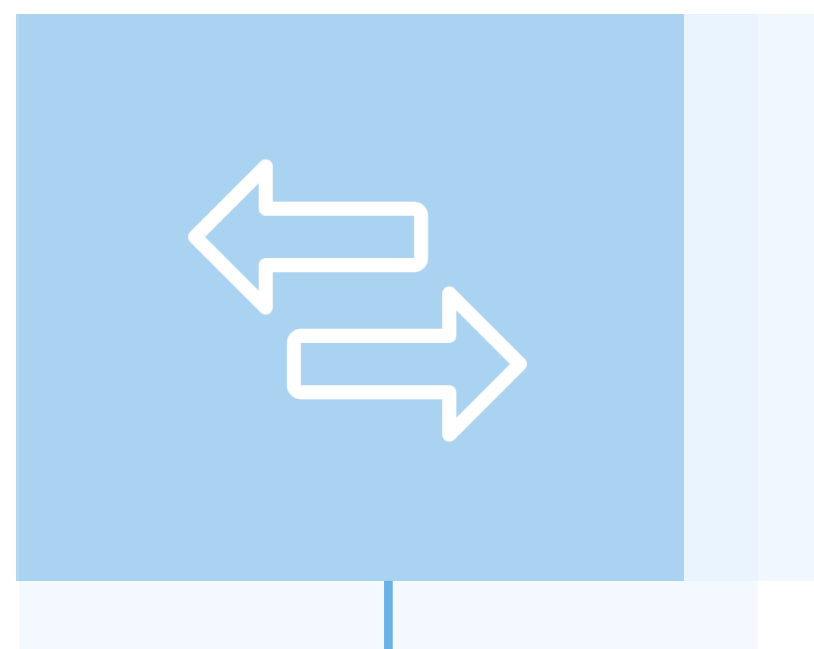
429   You've reached your quota
--->You can access all the quota information in the header of the answer.
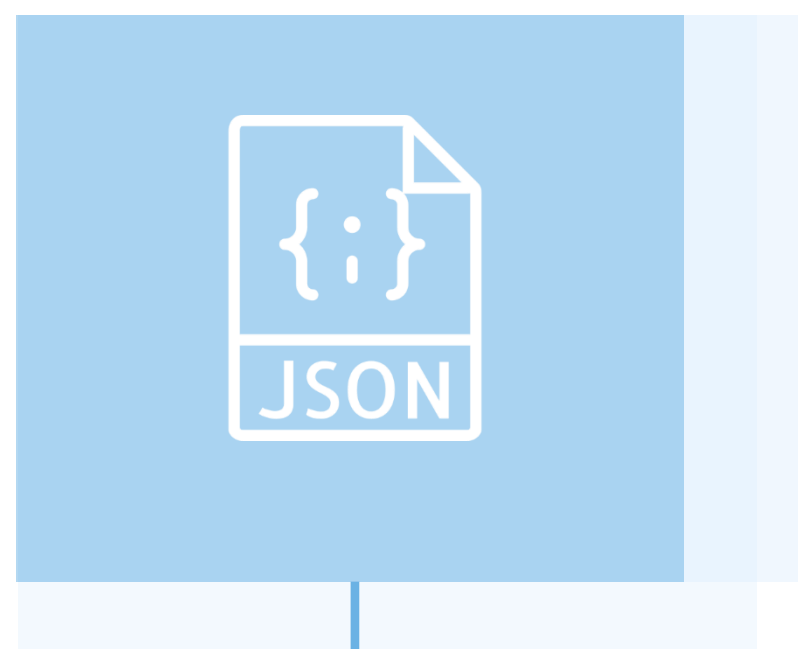
500   API is unavailable
--> Please contact us!
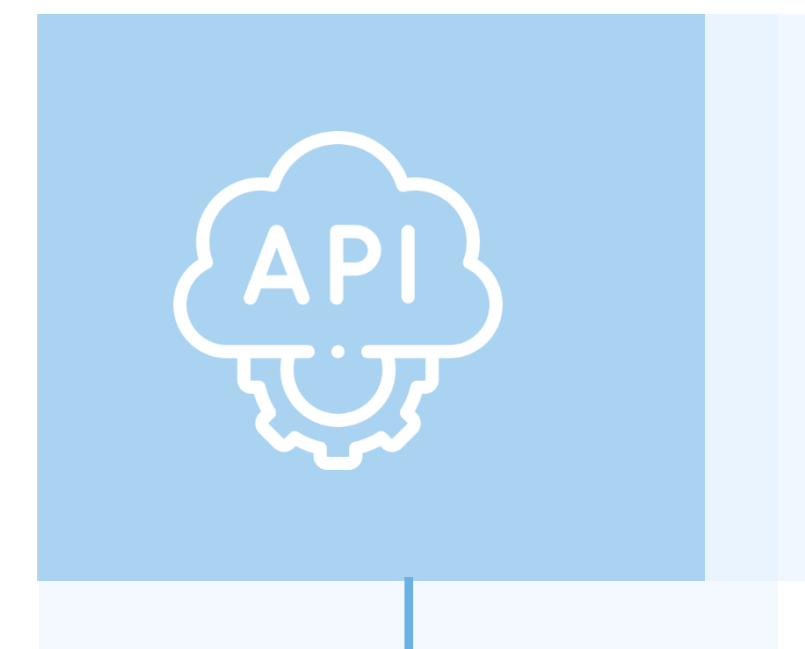
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Best practices

Call quotas are per day: we strongly recommend **smoothing out the number of requests** over time so as not to disrupt operations for other users.

Given the very large size of the response to the "Next Passages" global request, it will be transmitted in **compressed mode.**

We recommend that you activate the **"Accept-encoding : gzip, deflate"** element in your request headers to optimize API response time.

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Support & Documentation

Support & Documentation

The PRIM Support team will help you use these services through the various documentations provided.
Support can be reached by e-mail or through the "Slack" instant discussion forum.

Do you have a question?
A suggestion for improvement?
Don't hesitate to contact us via our
support e-mail: contact-prim@iledefrance-mobilites.fr

⬇ Prim platform presentation (PDF)