

Geo open data discoverability

April 2022

data.gouv.fr

What is Etalab?

Data opening and data circulation

- data.gouv.fr
- api.gouv.fr

Data exploitation

- Data science, artificial intelligence

Innovation and openness of public action

- Public Interest Entrepreneurs

The logo for Etalab, featuring the word "etalab" in a large, blue, lowercase sans-serif font. To the right of the "a" in "etalab", the text "gouv.fr" is written in a smaller, red, lowercase sans-serif font.

🤝 **The geographical data ecosystem**

There are many different actors in the field of geographical data

The logo for IGN (Institut National de l'Information Géographique) features the letters 'IGN' in a bold, grey, sans-serif font. A small green leaf icon is positioned between the 'I' and the 'N'.The logo for SHOM (Service Hydrographique et Océanographique) consists of the letters 'SH' and 'M' in a bold, blue, sans-serif font. A light blue circle is placed between the 'S' and the 'M'. To the right of the circle, the text 'L'océan en référence' is written in a smaller, blue, sans-serif font.The logo for BRGM (Bureau de Recherches Géologiques et Minières) features a brown circular icon with a white signal-like symbol inside. To the right of the icon, the text 'Géosciences pour une Terre durable' is written in a small, blue, sans-serif font. Below this, the letters 'brgm' are written in a large, bold, blue, sans-serif font.The logo for CNIG (Conseil national de l'information géolocalisée) features the letters 'CNIG' in a bold, white, sans-serif font inside a dark blue rectangular box. Below the box, the text 'Conseil national de l'information géolocalisée' is written in a smaller, blue, sans-serif font.The logo for Etalab features the word 'etalab' in a blue, sans-serif font. The text 'gouv.fr' is written in a smaller, red, sans-serif font above the 'lab' part of the word.The logo for data.gouv.fr features the text 'data.gouv.fr' in a grey, sans-serif font.The logo for afigéo features the word 'afigéo' in a black, sans-serif font. The letter 'o' is stylized with a yellow triangle above it and a green triangle below it. A red triangle is positioned to the left of the 'a', and a blue triangle is positioned to the right of the 'o'.

✨ The national open data portal

- data.gouv.fr is the single point of entry for national open data in France
- Everyone is welcome to publish both datasets and reuses
- Moderation is done post publication

Plateforme ouverte des données publiques françaises

Thématiques à la une

Données relatives aux

Élections



Données relatives à

L'emploi



Données relatives au

Logement et à l'Urbanisme



Toutes les thématiques >

Means of publication

+ Direct upload

 Upload via API

 Harvesting content

- Issue of fields correspondances (DCAT, ODS, CKAN, UDATA etc.).
- Which can jeopardise data discoverability

Few words about geo.data.gouv.fr

In the past

- geo.data.gouv.fr : platform dedicated to geographical open data
- Simplify the harvesting and display of data published under the INSPIRE directive
- 66 harvested catalogs : + 66k datasets

Where are we heading ?

- Work underway within BRGM (National Geological Survey)
- Improve the Geocatalogue platform, which will allow the referencing of all INSPIRE data
- We strive to make all data available on data.gouv.fr

Data VS web service

Some important geo data are available through web service and are referenced as such on data.gouv.fr

- Very useful sometimes
- Doesn't facilitate data discoverability
- Cause problems of historicity

Data schemas

Data schemas are used to describe data models: what are the different fields, how are the data represented, what are the possible values etc.

- Key to open data quality
- Foster data discoverability
- Enhance data reusability

Aménagements cyclables

Spécification du schéma de données d'aménagements cyclables

Adopté



Arbres urbains

Spécification des attributs liés aux arbres urbains dans le cadre d'un inventaire du patrimoine arbo [...]

Adopté



Arrêts permanents de circulation pour le transport de marchandises

Spécification du fichier d'échange relatif aux arrêts permanents de circulation pour le transport d [...]

Publié



Base Adresse Locale (BAL)

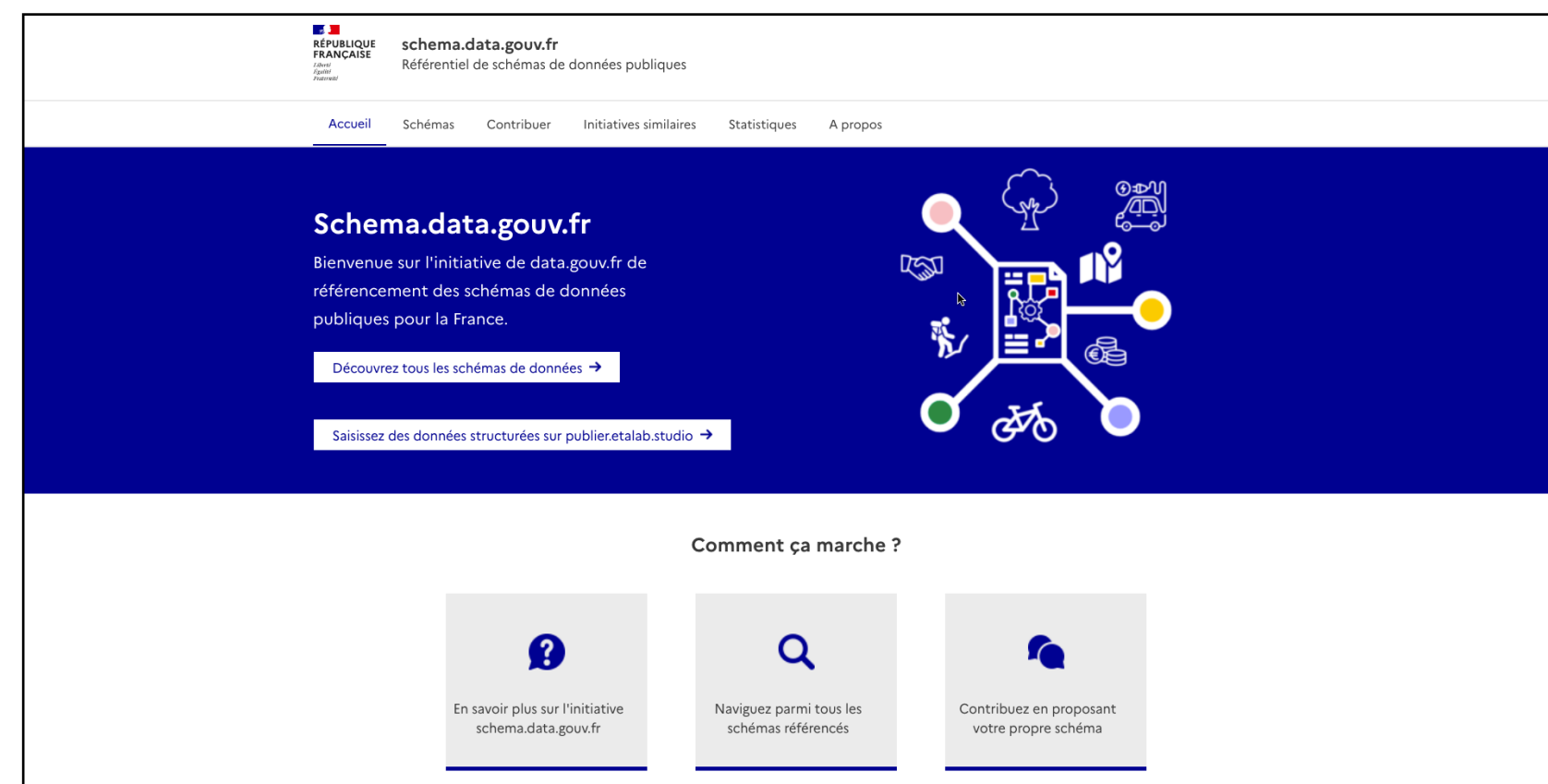
Budget des collectivités et établissements publics locaux

Catalogue simplifié

Data schemas : tools

We provide tools to create and use data schemas

schema.data.gouv.fr :
create and reference data
schemas



publier.etalab.studio :

Enter, validate and publish
structured data



Data schemas : examples

The National address database

- A local address database contains all the addresses of municipalities
- These databases are intended to feed the National Address Database (BAN)

Infrastructure for recharging electric vehicles


- Geographical location and technical characteristics of the stations and charging points for electric vehicles
- We carry out a consolidation of the data sets uploaded on data.gouv.fr (417 datasets)

Data search and filters


- Keep track of our SEO score because a lot of users comes straight from their search engine
- Keep track of the performance of our search engine and enable to filter the results
 - Filter by format
 - Filter by geographic area
 - Filter by territorial granularity

Search filters



Organizations

All 


Keywords

All 


Formats

GeoJson  


Licences

All 

Schema

All 

Geographic area

All 

Couverture territoriale

Territorial granularity 

 [Reset filters](#)

Data search and filters

- Editorial work and curation is useful too
- A curated page with essential geographical datasets

Les données à composantes géographiques



Les données à composantes géographiques sont souvent indispensables pour réaliser des analyses. Sont référencées ici les principaux jeux de données disponibles sur data.gouv.fr. Celle-ci n'est pas exhaustive et est [ouverte aux contributions](#).

Données limites administratives

Données communales	+
Données postales	+

Données géographique par thématiques

Transport et mobilité	+
Risques	+
Environnement	+
Urbanisme	+
Télécommunications	+

Merci !

Thank-you!

antonin.garrone@data.gouv.fr