



**RÉPUBLIQUE
FRANÇAISE**

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Égalité
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**Institut national de l'information
géographique et forestière**

IGN

INSTITUT NATIONAL
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ET FORESTIÈRE



**OpenStreetMap
France**

Panoramax

EuroSDR/AGILE workshop

Amélie Crépin (IGN France)
June 4th 2024

PANORAMAX, the free alternative for territories photo- mapping

What is Panoramax ?



Initial statement

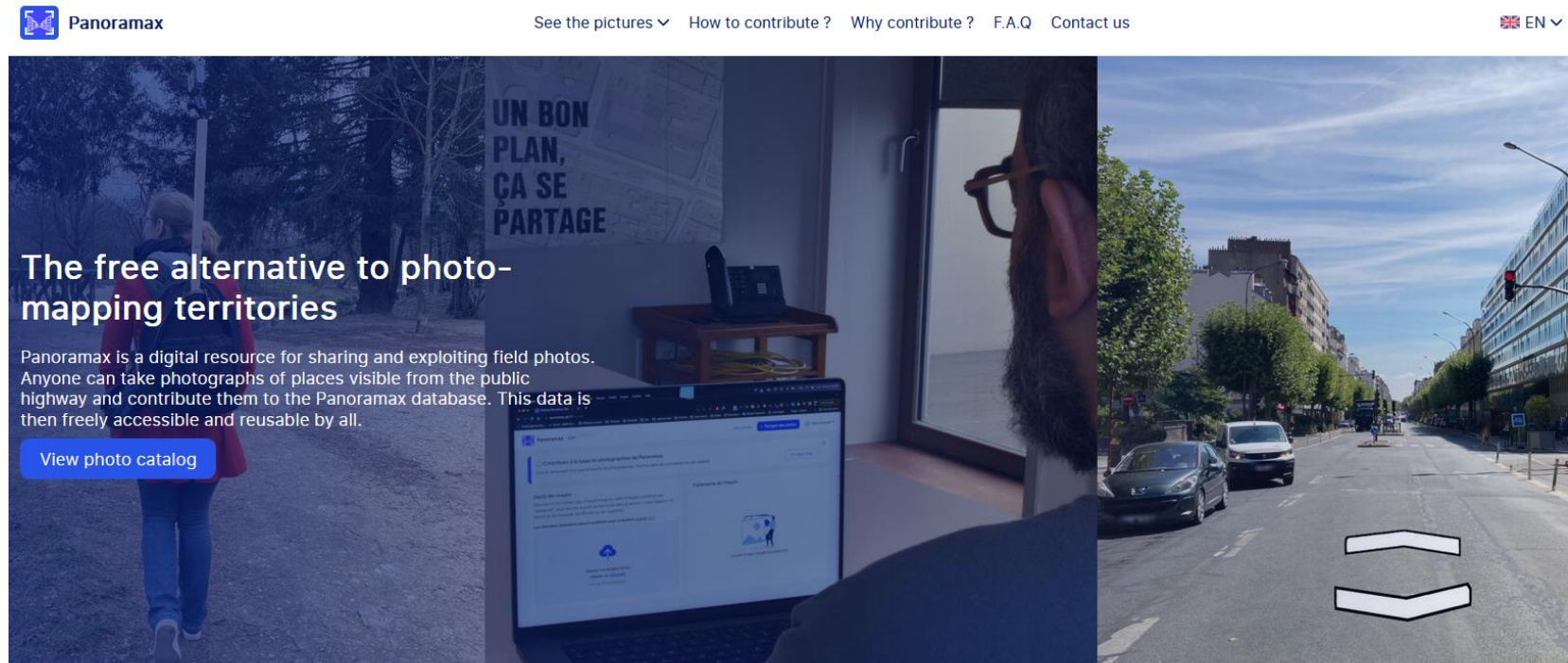
Private and public entities need easy access to street-level pictures to reduce field trips.

- *Inventory of urban furniture*
- *Detection of changes*
- *Field trip prep*
- ...

Existing solutions : private, not free, proprietary data

In 2022, OpenStreetMap France and IGN France launch a **geocommon** of free street-level, immersive data

- Open licenses
- Shared governance
- Independence (+ up-to-date data, + freedom regarding covered areas)



How does it work ?

Panoramax federates initiatives (by local authorities, OSM contributors, IGN, etc.) to promote the emergence of a geo-common of immersive view databases.

1 photo = several use cases



Initiating the geocommon

DINUM beta.gouv program

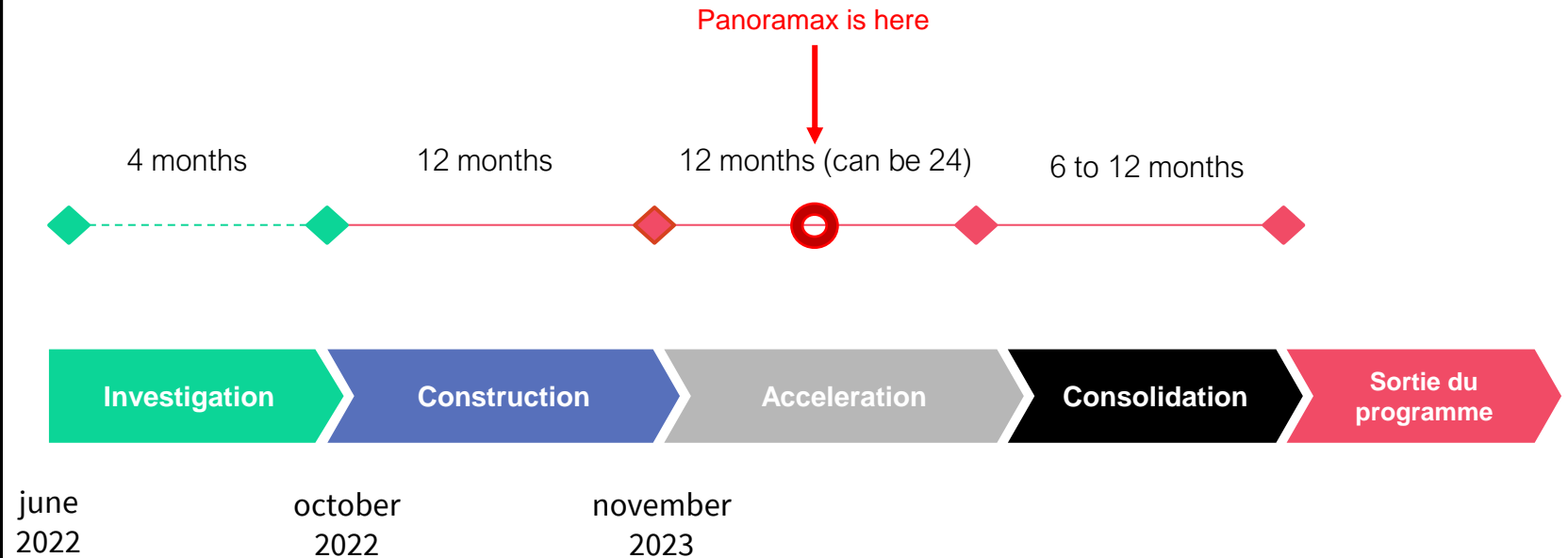
IGN France = sponsor of « **public** » start-up **Panoramax** through its incubator

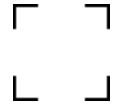


The Panoramax team :

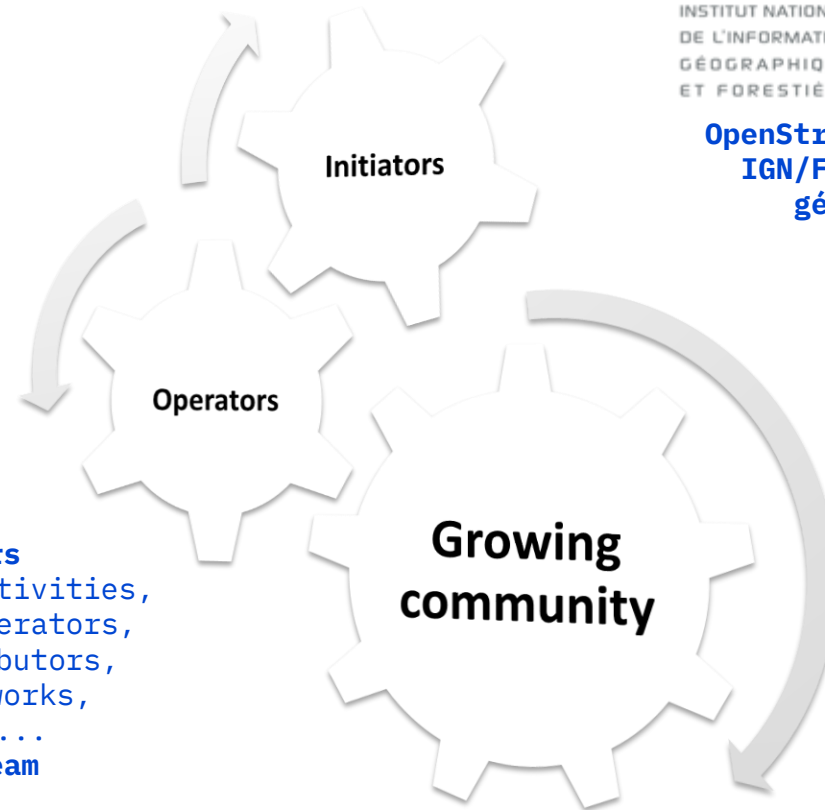
- 4 Dev
- 1 UX/UI designer
- 1 PO/PM
- 2 Biz dev
- 2 « Intrapreneurs »

4 steps to design and operate digital public services or data





OpenStreetMap France
IGN/Fabrique des géocommuns



Contributors
Territorial collectivities,
AITF, national operators,
CNIG, OSM contributors,
companies (networks,
softwares), ...
Panoramax team

New contributors and users
New local operators and
companies, associations and
individuals for thematic
use cases (accessibility,
cycling, tourism, OSM, ...)
+ worldwide

**Public instances (different licenses) : IGN
France, OSM France, Carto'Cit , Portugal, ...**

Meetings

Online monthly active meetings

Events, conferences

[Géocommuns](#) forum

OSM forum

Social networks

LinkedIn

[Mapstodon](#)

[X](#)

Chat rooms

Matrix channels (french, english, german)

DINUM « Tchap »

Panoramax community

They contribute to Panoramax



They talk about us

These articles talk about Panoramax



PANORAMAX,
18 months later ...

Today more than 300 contributors



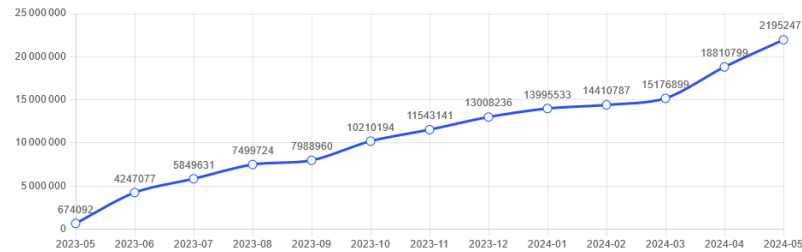
Panoramax today

344 contributors

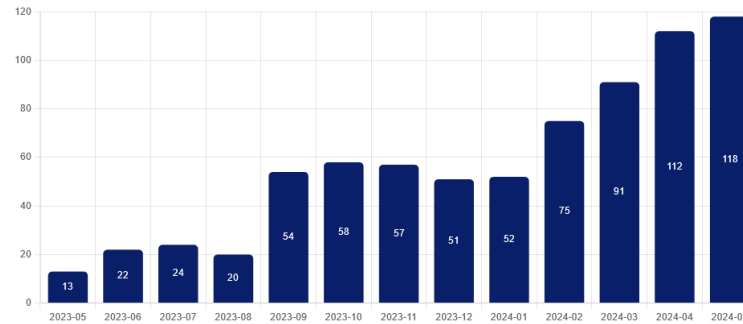


More than 22 millions field photos <https://panoramax.xyz>

Evolution of the number of photos



Active contributors

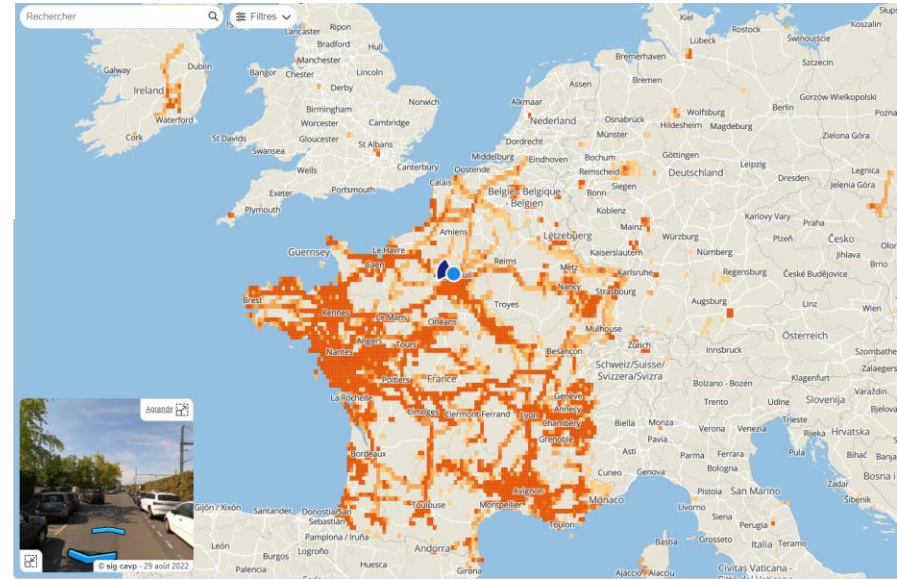


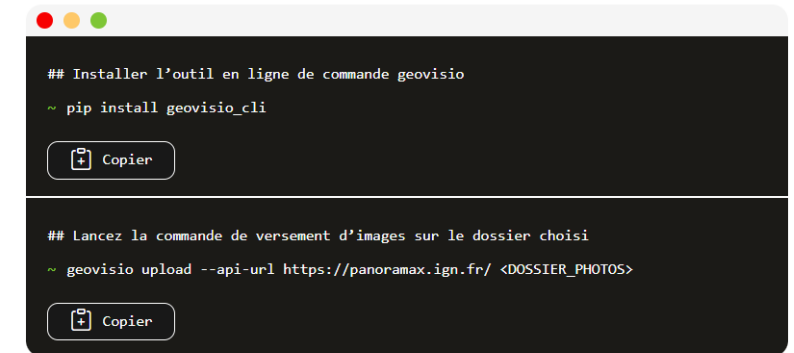
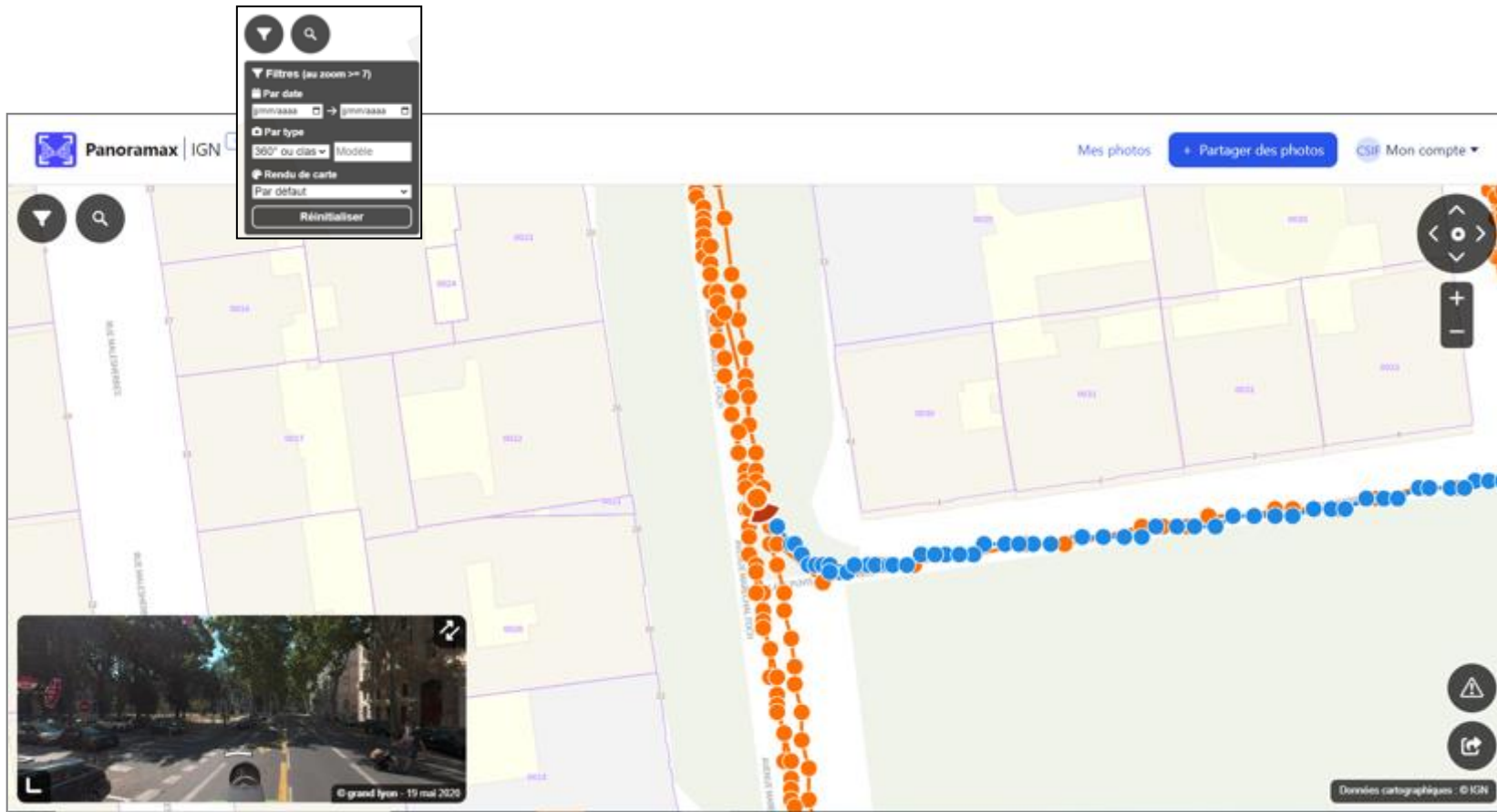
Stored, blurred by different servers and open data

More than 220 000 km



Several verified use cases





Free, open source code (GitLab)

STAC standards = SpatioTemporal Asset Catalogs (geodata indexing)

Existing GeoVisio API

Blurring API that includes road signs detection (AI)

Constant improvements and any contribution is welcomed ☺

Shared tools

PANORAMAX, what's next ?

Roadmap for coming times





2024 roadmap



Accelerate use cases



- AI detections and tutorials
- Standards, picture qualifications
- Technical support
- Links with GIS softwares
- Impact measurement

Consolidation



- Performance and stability
- Usability
- Perpetuation

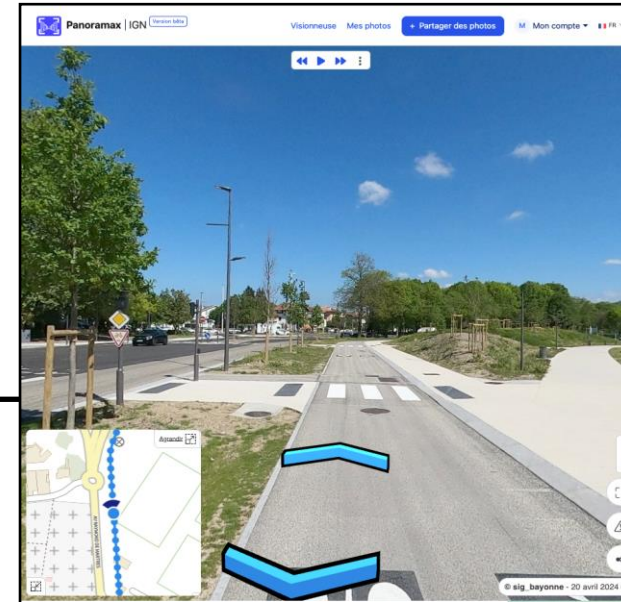
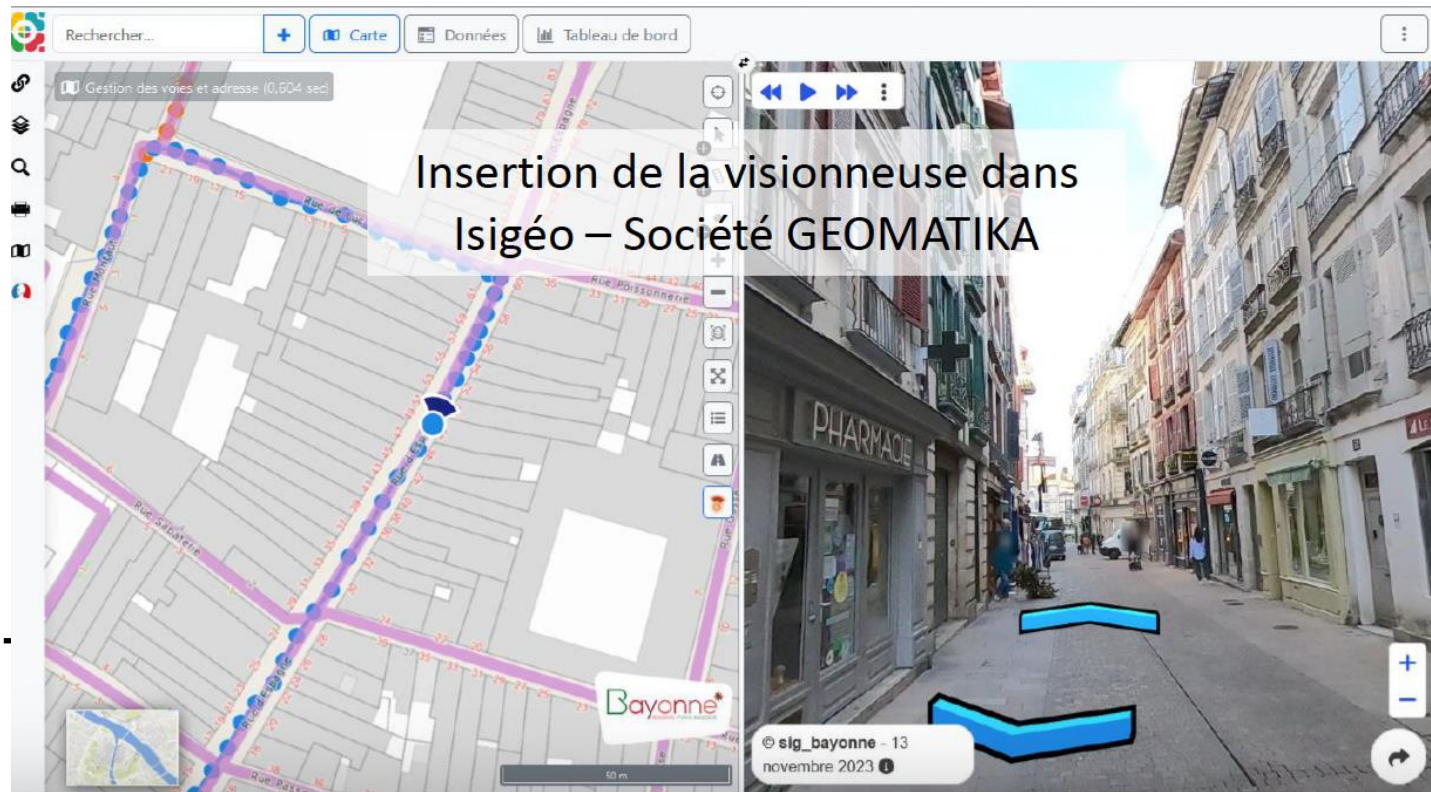
Accelerate contribution



- Mobile app
- Tutorials
- Helping, training civil servants
- Communication

+ community management, future governance, legislation

Panoramax in Bayonne's GIS tool :
housing, urban furniture, street lighting,
stoplights, ...



Panoramax

vs.



Google

In a nutshell

- Panoramax, on the road of success ?



- Let's deploy more public instances

- Research opportunities : imagery, photogrammetry, 3D modeling, digital twins, AI detections, opendata resources, crowdsourcing ... ?

Contact

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