



RÉPUBLIQUE
FRANÇAISE

*Liberté
Égalité
Fraternité*



Cerema

CLIMAT & TERRITOIRES DE DEMAIN

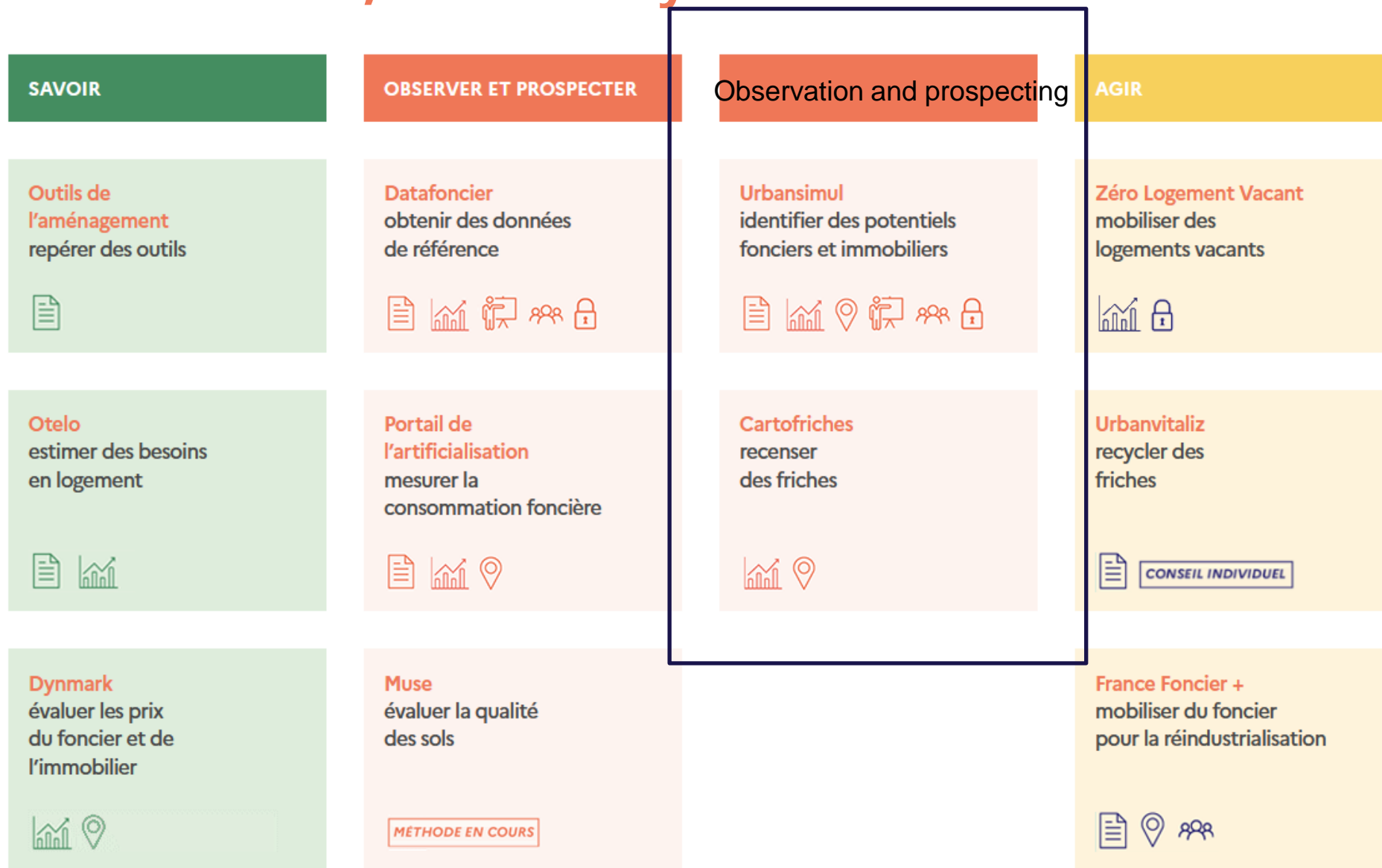
Cerema's tools to help building land use frugality

<https://urbansimul-app.cerema.fr/>



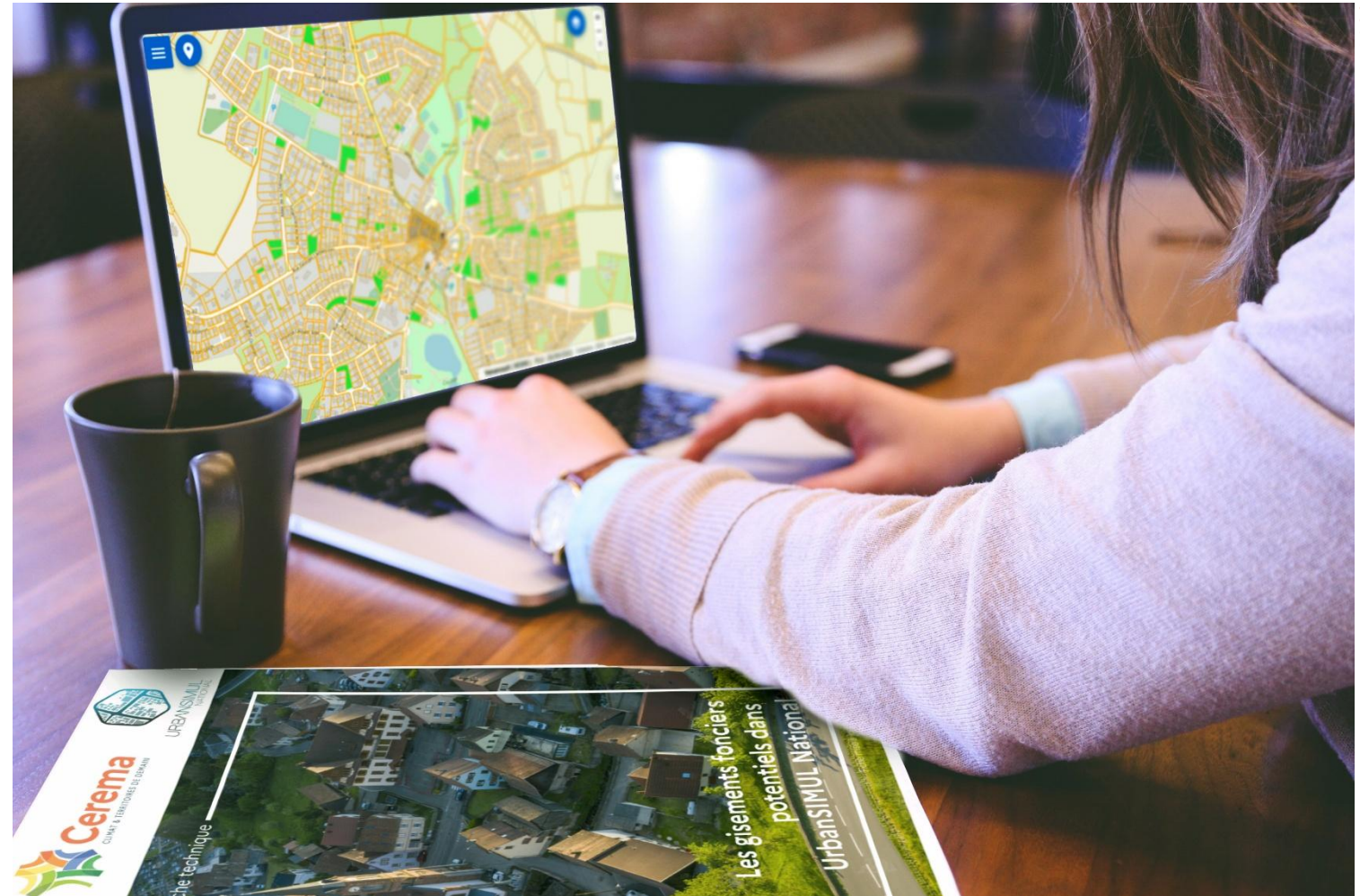
13 mai 2026

Cerema local actions, services by Cerema



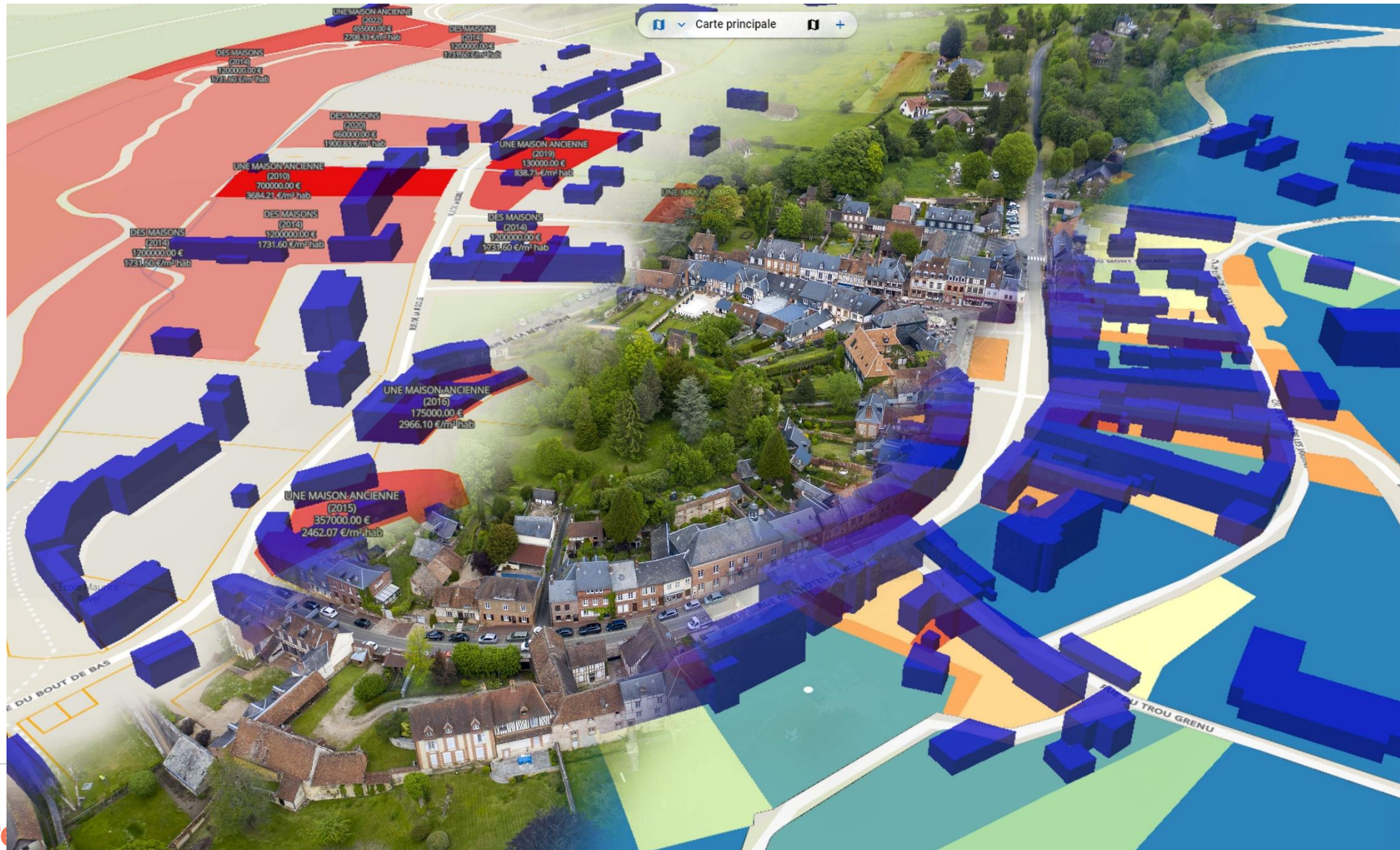
Cerema local actions, some services : Urbansimul and Cartofriches

- Cerema's tools and outputs help address a minimum technical support need across territories and also provide a basis for local technical capacity.
- They offer a common framework for all, while allowing territories to build on their own data and tools.



Focus on UrbanSimul

- An innovation analysis and decision support to support communities towards land use frugality



URBANSIMUL

A digital software for public land actors

Connect ton an online mapping app



A work resulting from ten years of research and innovation



**Free access - Login required
More than 6000 users :**

- Municipalities, inter-municipal bodies, departments
- Planning public agency
- State services
- Public land establishment



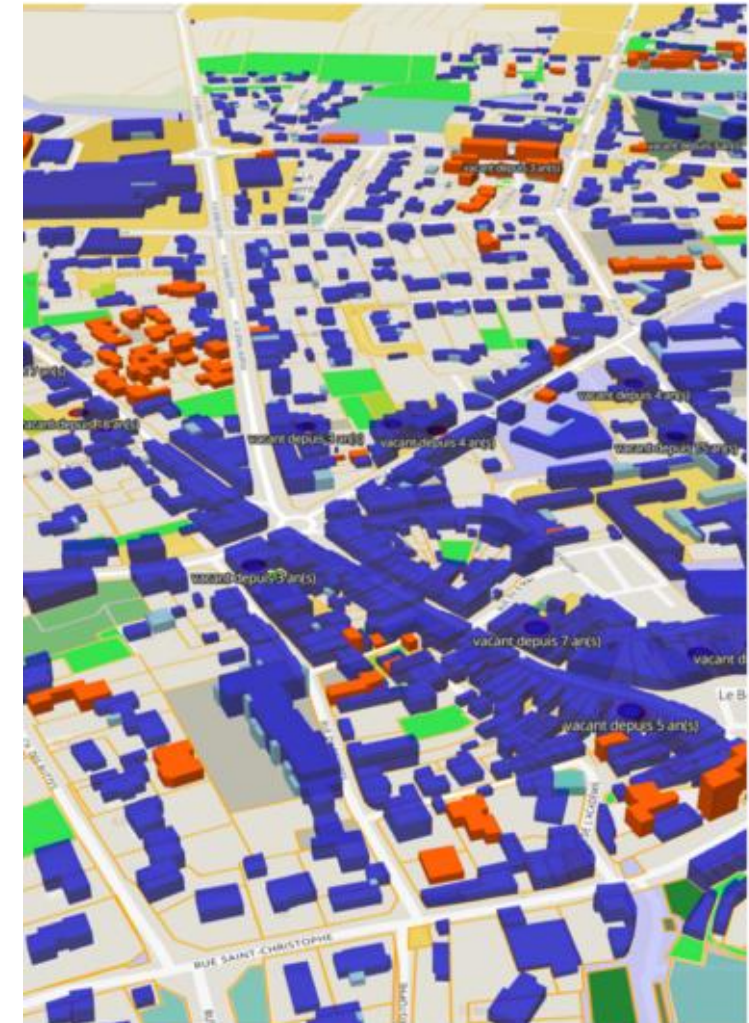
National coverage since 2022



Integrated data access and updating



Online support and user autonomy



URBANSIMUL

A digital software for public land actors

*Try an analysis and decision support tool
for your land sobriety strategies*



View land data on your own
territory



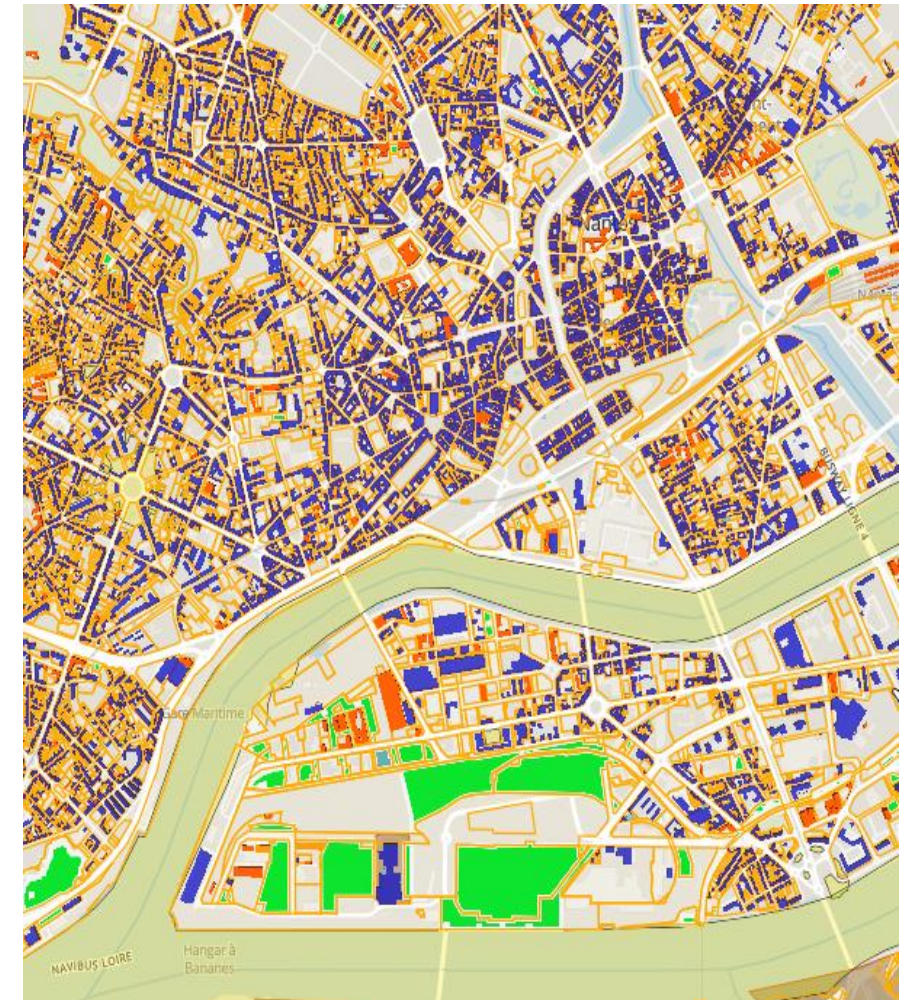
Asses land and real estate dynamics
and build your land diagnostics



Identify the potential
for buiding land



Analyse your urban development
solutions



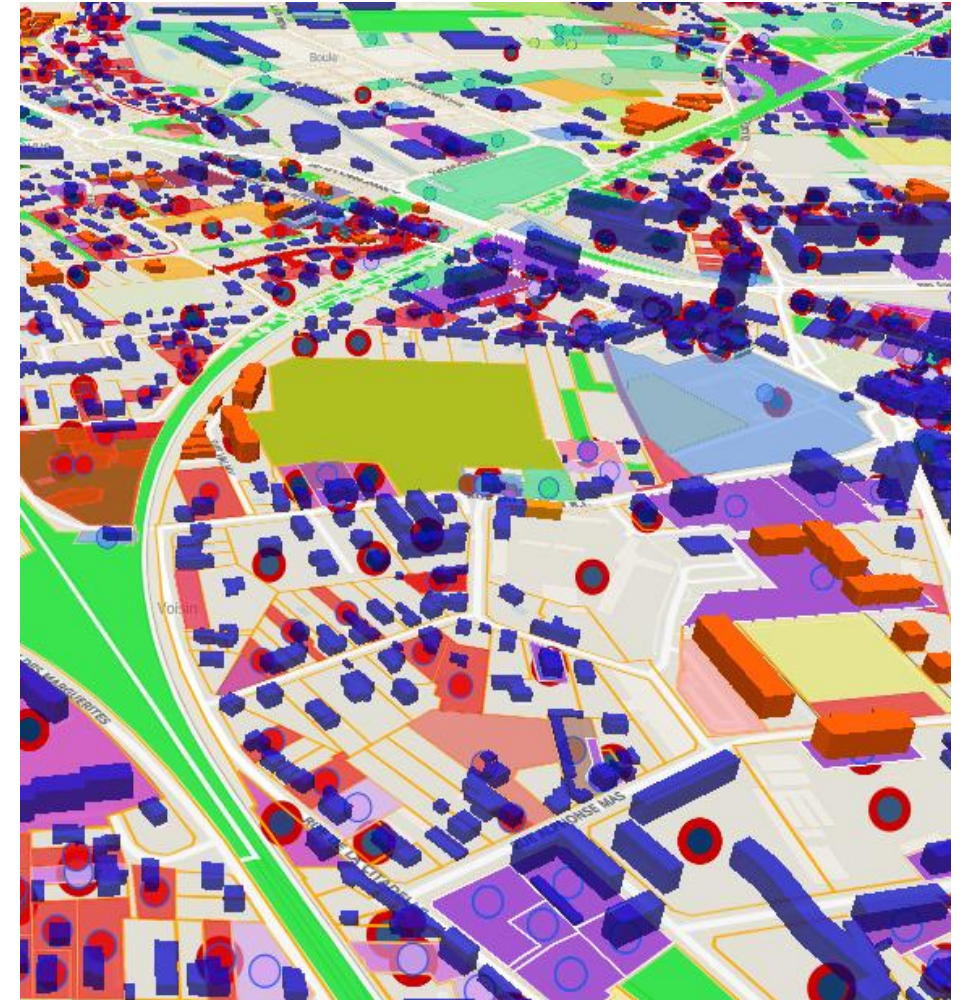
URBANSIMUL

A digital software for public land actors

Explore many national data sources

- Land files from tax informations
- Vacant housing
- Sale and price land and real estate
- Potential constructible land
- Local urban plan
- Level of issues and constraints

*Export your analysis
and import your own data*



URBANSIMUL

A digital software for public land actors

DATA
DIGITAL APP
SUPPORT

Une question ? Vous souhaitez être accompagné pour découvrir Urbansimul ?
Contacter l'équipe : assistance.urbansimul@cerema.fr



Rejoignez la dynamique sur la plateforme
Expertises.Territoires



URBANSIMUL NATIONAL

Présentation Données Module Support Inscription Connexion

URBANSIMUL, OUTIL COLLABORATIF D'ANALYSE ET DE PROSPECTIVE SUR LE FONCIER

Analyser les dynamiques immobilières & identifier les gisements fonciers

S'inscrire Se connecter

Déjà utilisateur (avant 2022) ? Accédez à la version « territoires »

Application UrbanSIMUL National

De l'échelle de la parcelle au territoire métropolitain, UrbanSIMUL outille les collectivités pour définir une stratégie de sobriété foncière de territoire.

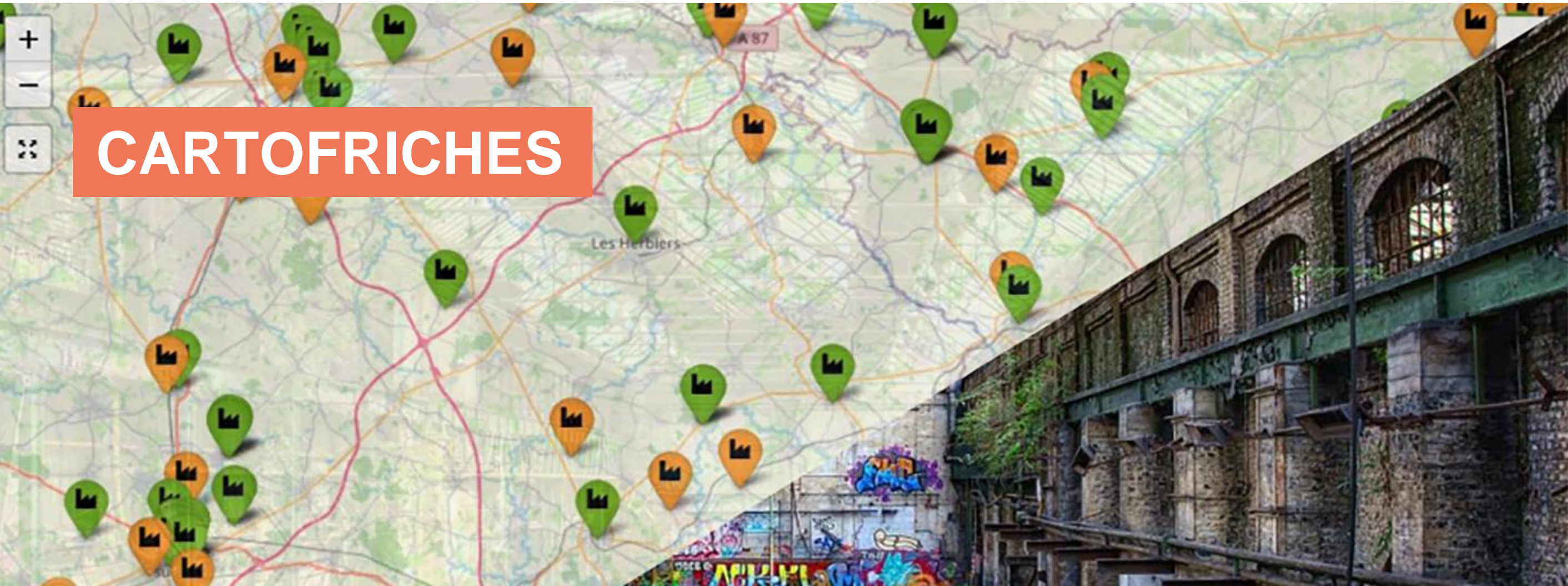
UrbanSIMUL, c'est le croisement de nombreuses sources de données foncières pour les rendre facilement interprétables sous une forme de cartographie.

Télécharger la présentation



www.urbansimul.cerema.fr

CARTOFRICHES



Why inventory brownfield sites?

Knowledge-related issues

- In the development of PLU(i) plans: potential for densification of already urbanized areas // urban renewal
- In the development of PLH plans: Housing and Land Observatory
- Strategic land resources that can be mobilized for:



housing and facilities



Réindustrialisation



Renewable energy



Land renaturation

What is CARTOFRICHES ?

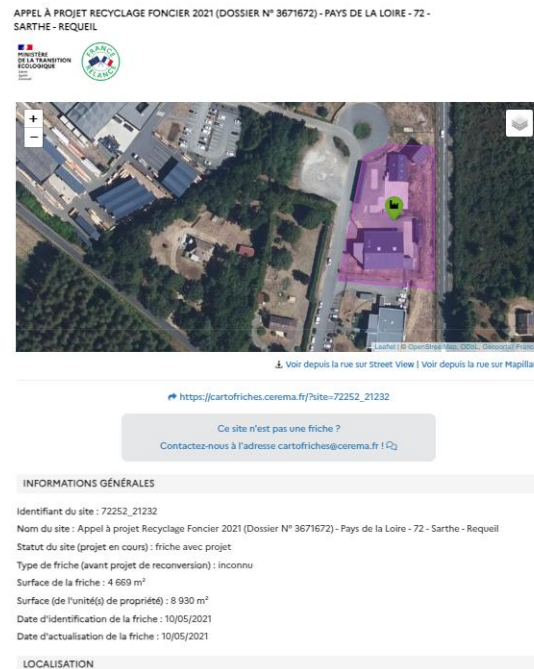
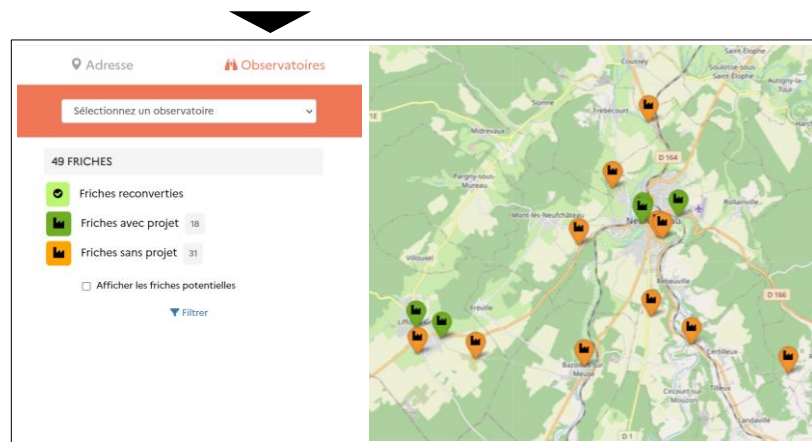


A unified national database built from enriched local data (urban zoning, land ownership, buildings, etc.), structured according to a data standard (CNIG).



A mapping portal to visualize and disseminate information on brownfield sites as open data.

<https://cartofriches.cerema.fr>



<https://www.data.gouv.fr/fr/datasets/sites-references-dans-cartofriches>



CARTOFRICHES : the dabase



Nearly 16 000 brownfield sites representing 600 km² (≈ 60,000 ha).

- More than half are provided by 29 local observatories contributing to CARTOFRICHES.
- More than 3 500 brownfield sites from « **appels à Projet Fond Friche ou mesure Recyclage urbain du Fond Vert** »
- More than 340 brownfield sites by **UrbanVitaliz service**
- More than 2 000 brownfield sites from national data on old industriel sites controled by Cerema (on photo)

Cartofriches : added value to data



- + Property data+3 *indicators*
- + Surface +2
- + Urban planning zoning+5
- + Presence on an economic site+2
- + Soil pollution+1
- + Buildings, land footprint and urbanized area rate+5
- + Environmental zoning +3
- + Historical monuments+2
- + Accessibility to transport +2
- + Presence of vacant housing+1
- + Risks (natural and technological)+2
- + *NEW* :
 - + Land take (with OCS-GE)
 - + Indicators of Brownfield Mutability

(+30 indicators)



free // digital & human

Why ?

Supporting local authorities to unlock their brownfield projects

How ?

Identification of relevant actors

Formulation of needs and studies to be carried out

Identifying funding sources

<https://urbanvitaliz.fr/>

Concretely?

Connect with urban planners

Receive personalized recommendations

Who ?

More than 600 sites supported!

75% of local authorities are taking action following UrbanVitaliz's recommendations.

Merci pour votre attention

www.cerema.fr

