



INSTITUT NATIONAL  
DE L'INFORMATION  
GÉOGRAPHIQUE  
ET FORESTIÈRE

# NMCAS ROLE IN PROMOTING INNOVATION

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The background of the lower half of the slide is a satellite map of a landscape with green fields, blue water bodies, and a winding river. Overlaid on this map is the text 'IGNfab' in a large, white, sans-serif font. The 'IGN' part is in a bold, uppercase font, while 'fab' is in a lowercase, italicized font. The text is positioned centrally, with the 'fab' part extending towards the right edge of the slide.

IGNfab

# WHAT IS **IGNfab** ?



## AN ACCELERATION PROGRAMME FOR INNOVATIVE PROJECTS

Projects owned by existing  
SMEs / start-up

Aiming at developing innovative  
digital services

Projects need data and/or  
specific expertise from IGN

## SUPPORT THROUGH CO-DEVELOPMENT

Possible also through a simple  
technical assistance

Not a full business incubation,  
no permanent hosting of  
companies, no funding

## DON'T REINVENT THE WHEEL!

Seeking complementarity  
with existing organisations  
supporting innovation

# WHY **IGNfab**? AN ANSWER TO:

## IGN's side: strong willingness for openness and innovation

- 📍 Accelerate the pace of innovation in order to cope with a fast-moving context → open innovation
- 📍 Accompany the development of innovative usages of IGN's data → co-development of services
- 📍 Develop industrial partnerships

## SME's side: helps fulfil their needs while developing advanced geo-services:

- 📍 The need for reliable data and for high level expertise to exploit them (with support from IGN)
- 📍 The need of an access to the market (possible support from IGN, at least for the public sector)
- 📍 The need for an access to funding (support from partners)

# IGNfab GENESIS

## April to August 2013: Preparation phase

Look at the other side of the Channel: Ordnance Survey-UK 's Geovation

Exchanges with the digital sphere in France (contract with Cap Digital, business clusters for digital services)

### Adaptation to IGN's needs & capabilities:

Two levels: an internal structure (prototyping facility for our employees projects) and an external one (for start-up & SMEs)

## Sept. 2013 Validation by IGN's management board

## February 2014 Launch of IGNfab' internal part: call for ideas "services IGN could provide to local authorities"

## July 2014 Official start of IGNfab (external part): 1<sup>st</sup> call for proposals "urban and land planning"

# THE OFFER

## Technical expertise

Support from developers but also more  
Specific expertise, capacity, building



## Access to IGN's resources:

Data, home-made software &  
hardware

+ dedicated co-working space (~200 m2)



## Access to IGN's institutional and partners network

Public bodies (ministries, local  
authorities...)

Business clusters for digital  
transformation, innovation  
agencies...

Other public bodies with a  
complementary expertise  
(partnerships developed for  
IGNfab calls for proposals)

IGN's distribution network

« IGN labelling »

# SELECTION CRITERIA

**Request IGN's** data and/or specific expertise

Being an **SME**  
(1 to 250 people)

**Project in the scope** of the call for proposals theme



**Innovative** project in terms of technology, customers' approach, business model...

Have a **business plan**

**Proven technical feasibility** at short to medium term: at least being ready for prototyping

# PRELIMINARY RESULTS

## 4 calls for proposals have been conducted

- 📍 1<sup>st</sup> call July 2014 : Urban and land planning
- 📍 2<sup>nd</sup> call April 2015 : Climate change and risk prevention
- 📍 3<sup>rd</sup> call January 2016 : Tourism, outdoor activities, promotion of territories
- 📍 4<sup>th</sup> call February 2017 : The city of tomorrow

## 106 projects submitted / 20 selected

## Many partnerships set up

- 📍 With organisations supporting innovation
- 📍 With public bodies providing a specific expertise for a call
- 📍 With local authorities willing to provide experiment territories and complementary local data sets



# SOME EXAMPLES OF PROJECTS



- Industrialization of the Ultra light Camera developed by IGN and integration on their UAV (Unmanned Aerial Vehicle)



- Internet platform connecting logging companies and the thousands of small forest owners (through detailed and accurate information on wood resource location)



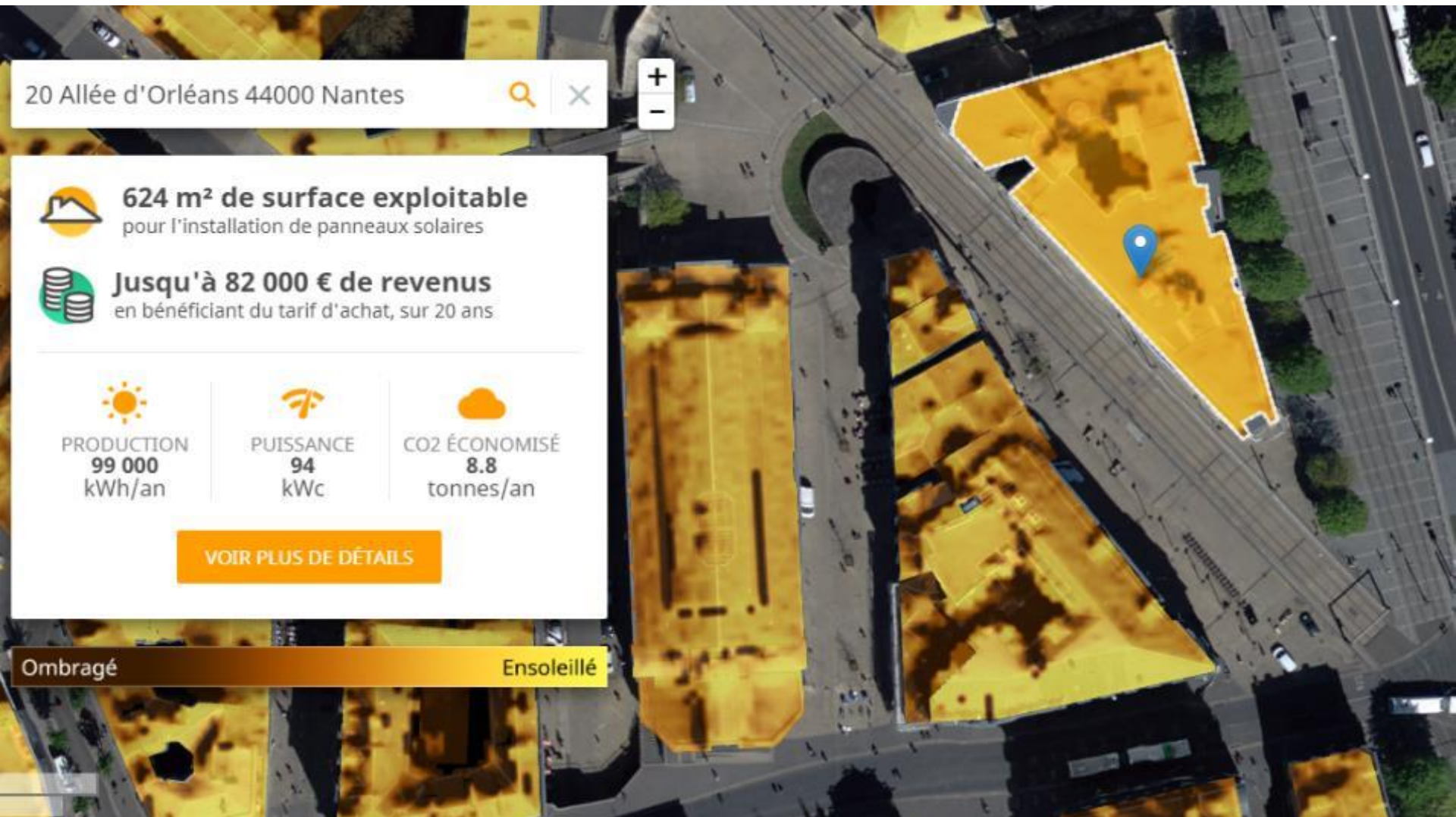
- Internet platform aiming at providing an easy access to photovoltaic energy for each citizen through a sharp and instantaneous evaluation of their rooftops' potential (<https://nantes-metropole.insunwetrust.solar/>)



- Connects its modelling tools applied to hydrology and hydraulics on an open platform aiming at improving real time flood forecasting



# IN SUN WE TRUST



# Résultat détaillé

[Télécharger le résultat](#)

Choisissez votre surface de pose

0 m<sup>2</sup>

60m<sup>2</sup>



Minimal

Optimal

La métropole de Nantes s'est donnée pour objectif de doubler d'ici 2020 la production d'énergie renouvelable sur son territoire, et de la tripler d'ici 2030. Vous pouvez, vous aussi, y contribuer en passant à l'énergie solaire !

VENTE TOTALE

AUTOCONSOMMATION

THERMIQUE  
EAU CHAUDE



Economies d'énergie réalisées sur 25 ans



ECONOMIE SUR LA  
FACTURE

23 350 €



INVESTISSEMENT  
INITIAL

20 100 €



GAINS SUR LA VENTE  
DE SURPLUS

12 000 €

Votre habitation est située dans la limite de 500m autour d'une installation classée. Sachez que votre projet demandera un accompagnement particulier et sera soumis à un avis consultatif d'un architecte des Bâtiments de France. N'hésitez pas à **nous contacter**, nos experts vous accompagneront de près dans ces démarches.

☐ J'ai un chauffage électrique

☐ J'ai une climatisation

☐ J'ai une piscine

FACTURE D'ELECTRICITE  
ANNUELLE

1 600 €

Nous utilisons des profils de consommation pour mieux estimer votre consommation mois par mois.

Aujourd'hui, **nous ne recommandons pas le stockage** mais n'hésitez pas à **nous contacter** pour en discuter.

# SOME IMPACTS AND LESSONS LEARNED

## Impacts for start-up

- 📍 Real acceleration of their project
- 📍 Creation of business and employment (as at now 10 new employees have been hired)

## Expected (and observed) impacts for IGN

- 📍 Enhancing of IGN's data and technologies (including results from its R&D)
- 📍 Consolidation of IGN's image in the digital community
- 📍 In the medium term, constitution of a network of innovative SMEs strongly linked with IGN

## Unexpected (but welcome) impacts for IGN

- 📍 Contribution to the qualification of its data / technologies in a really operational context
- 📍 Reinforcement of IGN visibility on some topics (e.g. : climate change)
- 📍 Acceleration of development of some products / services

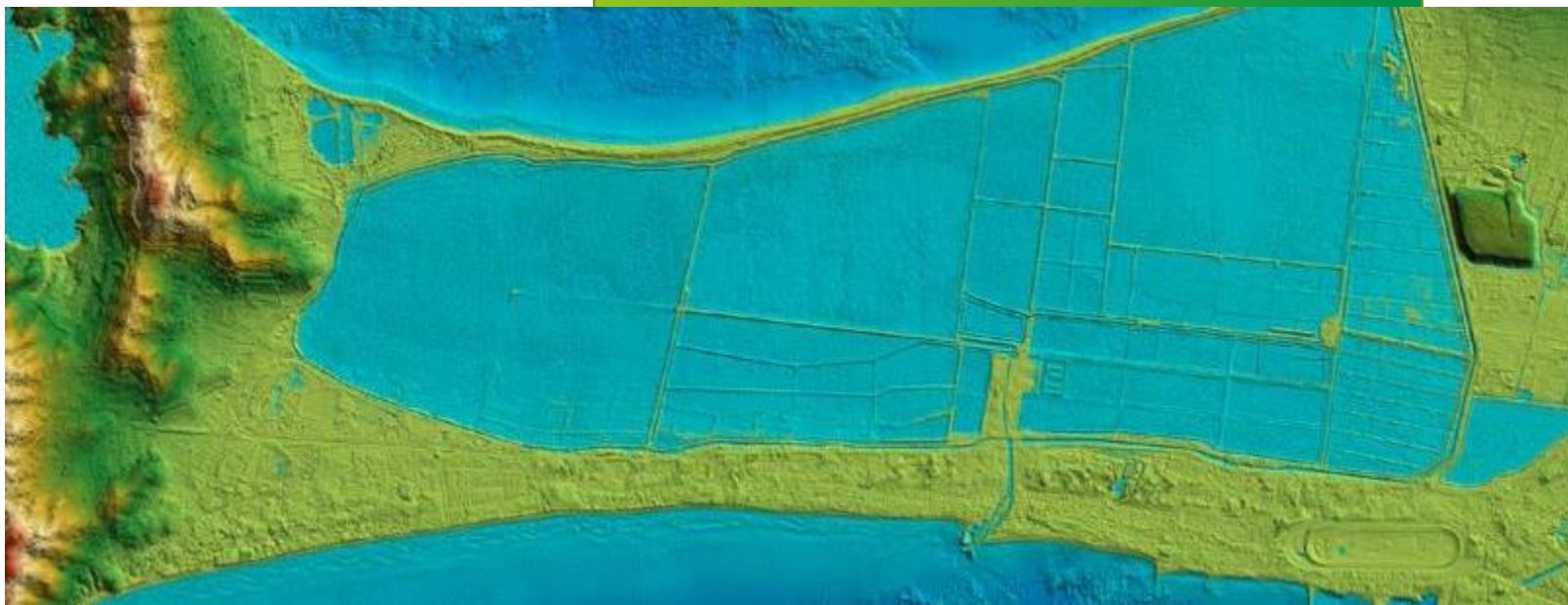
**Main lesson : a huge need for available & harmonised data at European level!**





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THANK YOU FOR  
YOUR ATTENTION!  
ANY QUESTION?



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