EVOLUTION OF IGN-FRANCE’S BUSINESS AND FUNDING MODEL WITH THE INTRODUCTION OF OPEN DATA

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EuroGeographics-EuroSDR workshop on sustainable open data business models for NMCAs
2 February 2022
1

WHAT IGN DOES AND HOW IT USED TO DO
CORE BUSINESS OF IGN

Type of organisation of “Institut national de l’information géographique et forestière” (National Institute of Geographic and Forest Information - IGN)

A government agency

- Tutelage of the ministry in charge of sustainable development and the ministry in charge of forest

Core business of IGN

Mission: maintain multi-thematic description of the national territory

- Ensure all necessary representations (digital or paper)

Initial “value proposition”: supply a reference description

- Authoritative
- Quality level standard
For a long time, IGN worked autonomously with significant partnerships.

Responsible for producing some kind of data.

Has its own fleet of aircrafts.

To meet the needs of the Ministry of Defence.

Outsourcing for acquiring source data.

From 2012, partnerships with local authorities.

Reference productions such as orthoimagery.

- Mutual funding
- Sharing tasks

First experiments for collaborative approaches with fire brigades.

From 2015, partnerships with start-ups and SMEs.

‘IGNfab’ incubator.

Developing services and applications.
EVOLUTION OF IGN FINANCIAL MODEL

**Cost** driven model

“Grant for public service charge”
- **not assigned** to specific activities
- balancing the IGN budget

From an **efficiency** focused model…
IGN required by government to do its best to carry out its mission

…to a **value** driven model
IGN expected to work on **specific data productions**
- Dedicated to needs of certain public policies
- Require to be mastered by the public decision makers (“sovereign data”)
- Technically complex

**Grants assigned** to such data productions
## HOW IGN WAS FINANCED, WHAT REVENUES

<table>
<thead>
<tr>
<th>IGN Budget ~160 M€ including:</th>
<th>Basic financing model</th>
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| Grant for public service charge: ~85 M€  
(note: less than personnel costs: ~110 M€) | Public service for which government agrees to finance using tax-payers money |
| - Works for Ministry of Defence: ~35 M€  
- Works for Min. of Agriculture (LPIS): ~12 M€  
- Grants from other public bodies: ~8 M€ | |
| Professional market: ~10 M€  
Including data licences: ~2.5 M€  
Open data → gradual decrease | Services for which some users (public and/or private sector) must pay |
| General Public (mainly sales of paper maps): ~8 M€ | Service for which the public are required to pay |
2 HOW IGN CHANGED AND WILL CONTINUE TO CHANGE
CONTEX: OPENING IGN DATA

2010
• Making all IGN data free for education & research sector

2011
• Making IGN’s RGE (large-scale repository) free for public service missions

2012-15
• Gradually making IGN’s small and medium-scale products free for everyone

2016
• Making all IGN data free for public bodies (by law)
• Impact on IGN: about 1 M€

2019
• PSI “Open Data” directive: notion of High Value Datasets
• Prime Minister decision: all IGN’s datasets shall be free from 2022 on

2021
• Opening all IGN data for everyone
• Except 3 databases protected by third-party rights (SCAN 25, SCAN 100, SCAN OACI)
IMMEDIATE CONSEQUENCE

Significant decrease of takings

2016 law making all IGN data free for public bodies $\rightarrow$ loss of about 1 M€

General decrease of licence-fees for reuse collected by IGN

$\Rightarrow$ The topic of opening IGN data became inevitable
IGN’S CURRENT SITUATION (IN 2021)

Opening all IGN data for everyone in 2021
One year in advance
Because IGN’s financial situation could allow it

Dedicated funding through **windows**
Funding windows allow IGN to receive **specific grants**
New **major projects** funded

- OCS GE (automatic production of a large-scale land cover product)
- Lidar HD: about 40 M€
- Géoplateforme

Launching the **Geo-commons** strategy
3 ambitions for IGN (observer, stakeholder, cartographer)
10 projects (including sharing places and programmes)
Objective: to gather IGN, potential partners, users around common (open) geospatial data and tools
IGN’S PREVIOUS STRATEGY

grant for public service charge

INSTITUT NATIONAL DE L’INFORMATION GÉOGRAPHIQUE ET FORESTIÈRE

produce

Authoritative national data

have access

Users

€

pay (fees...)

Evolution of IGN-France’s business and funding model
IGN’S NEW STRATEGY

specific grants

is in partnership with

contributes

Geo-communs, open data

contribute

are in partnership with

Users, stakeholders, partners
CONCLUSION

Evolution of IGN’s model

Supply not only useful data, but also **indispensable data**

Open data favouring the **partnerships** necessary for our economic balance

Thank you for your attention