

Liberté Égalité Fraternité







Future geospatial ecosystem stakeholders and their role in national development : Future Users Perspective

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# **IGN FRANCE TODAY**

#### **3 AMBITIONS FOR IGN FRANCE**

- IGN, continuous observer of the national territory: the Institute will refocus and develop its
  production and development activities on mapping the Anthropocene;
- **2. IGN, a digital "commons" player:** in addition to its production activities, the Institute must fully play its role of bringing together stakeholders around challenges of common interest;
- **3. IGN, cartographer and companion of discoveries and representations**: maps are tools for education, mediation and debates and IGN intends to participate in this dynamic as a leading national public institute.

#### **ACHIEVING THE AMBITIONS**

- A growing budget
- Recruitment of 150 new talents
- Roadmaps for key technologies





# **URGENT NEEDS, FUTURE USERS**

Context : climate change and  $6^{th}$  mass extinction  $\rightarrow$  urgent need for new society models

Geospatial information is needed to design and manage **proper public policies and public services** in all domains (energy, mobility, circular economy, biodiversity, air, water & soil management, sustainable agriculture...)

### → Needs for

- reliable & continuous land monitoring
- simulation capacities
- convincing and reliable representations
- sovereignty

towards a France-wide digital twin

digital (geo)commons







Ambition for 2027: produce and set up a France-wide digital twin to help the State and local authorities plan the green transition France-wide digital twin = dynamic digital replica of the whole territory + online services to interact with (visualization, immersive navigation, interaction, simulation)

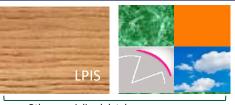
### dynamic digital replica of the territory







Semantic enrichment, rendering



Other specialised databases

## **Future Users Perspective**

#### **GIS** specialists **Entrepreneurs Politicians NGOs Journalists** Citizen Reliable Digital twin = basement to Land management & Convincing & reliable impact Knowledge Decision makers Modular natural risks Confidence easily plug new representation Scalable tools downstream services to simulation Immersive experience speed up the green Collaborative experience Asset = digital transition commons Asset = many existing data & Asset = geovis potential projects to federate into a video games + metavers Institut national de l'information géographique et forestière systemic approach MAY 4, 2023