



ASIN

AGENCE DES SYSTÈMES
D'INFORMATION ET DU
NUMÉRIQUE

RÉPUBLIQUE DU BÉNIN

MAY 2025

THE BENINESE EXPERIENCE WITH DATA SHARING PLATFORMS

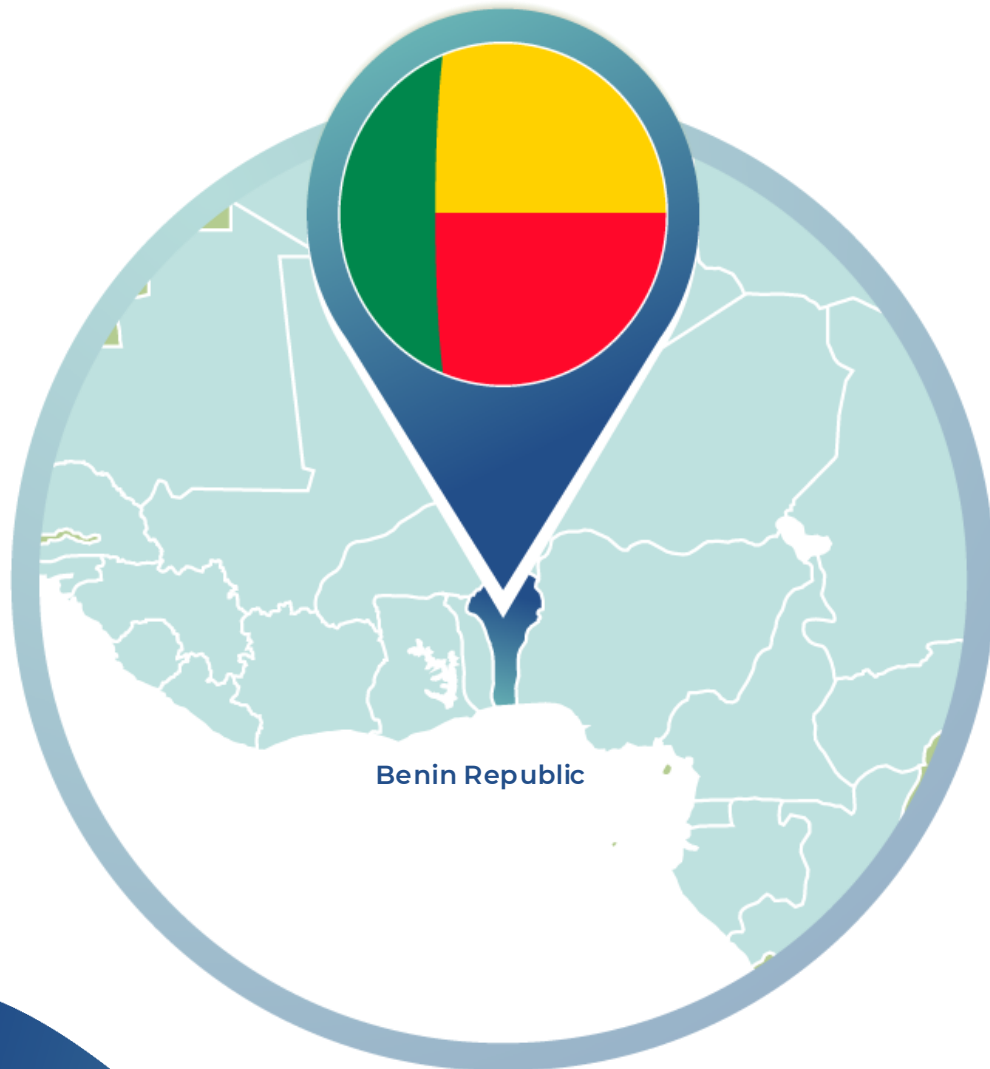


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THE DIGITAL FUTURE OF BENIN



« Leveraging technology to transform Benin into a continental leader in Digital Services, accelerating economic growth and social inclusion.»

COMMITMENT & ADOPTION

Expand digital tools for **community engagement**.

DATA DRIVEN

Invest in **customer-centric and data-driven** for service

INNOVATION

Strengthen **partnerships** for long-term growth and innovation.

KEY PRIORITIES FOR BENIN'S DIGITAL SECTOR



BRINGING BROADBAND AND VERY HIGH-SPEED BROADBAND CLOSER TO PEOPLE AND BUSINESSES

Mobilize public and private investment for the densification of networks in order to bring broadband and very high-speed broadband closer to people and businesses in Benin



SMART GOV – DIGITAL SERVICES TO CITIZENS AND BUSINESSES

Accelerating the digitalization of public administration to improve service to citizens and businesses through the generalization of e-services



STRENGTHENING THE ATTRACTIVENESS OF LOCAL AUTHORITIES

To offer the same level and quality of digital services, both in cities and in local authorities throughout the national territory



DIGITAL TRUST TO ENABLE THE TRANSFORMATION OF ALL SECTORS OF ECONOMIC AND SOCIAL LIFE

Stimulating innovative digital uses and promoting digital trust for the transformation of all sectors of economic and social life

ADVANTAGES OF BENIN'S DIGITAL TRANSFORMATION MODEL

Benin has:



- a strong **leadership** that fosters strategic alignment
- a modern **and stable** regulatory framework (**Code du Numérique**)
- a national AI and big data strategy
- a **policy for the security** of the State's information systems (PSSIE)
- a Critical Information Infrastructure Protection Policy (CIIP)

Benin has secured information assets



- **National Interoperability Platform (PNI) => XROAD BJ**
- National Tier 3 Datacenter and MEF Datacenter
- Public Key Infrastructure (PKI) + National CERT
- Payment platform / aggregator for the collection of financial resources
- **Reference registers for people (citizens), legal persons and cadastre**
- eProcurement Platform (Project in Scope)
- Governance Transparency and open data (Benin has joined the OGP)

Public entities have :



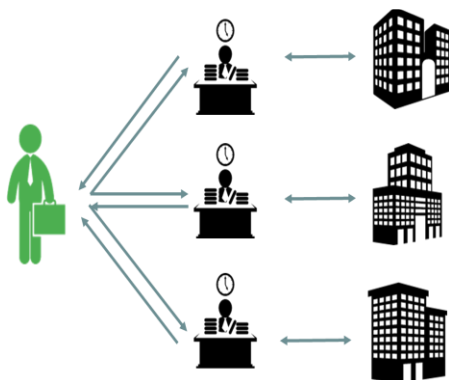
- **Increasingly qualified human resources**
- Information System Master Plans
- Connectivity plan
- Architecture Framework

WHY IS DATA SHARING CRITICAL, ESPECIALLY FOR IDENTITY ?

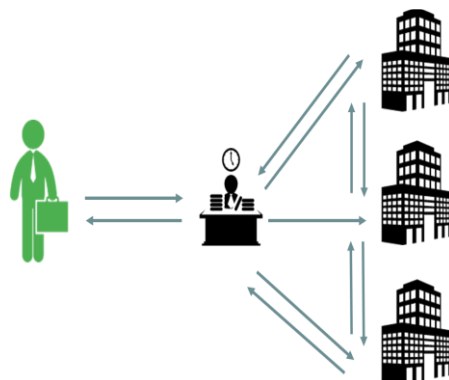
- ✓ To have more **efficient, inclusive and interoperable public services**.
- ✓ **Fight against duplication, fraud** and exclusion in social and administrative services
- ✓ Issues related to **the unique identification of citizens** for public policies: health, education, social protection, taxation.
- ✓ Generalization of the **<ask once> principle** so that citizens no longer communicate the same information to administrations several times.
- ✓ Legal framework strengthened with the **law on the protection of personal data** and the national digitalization strategy.



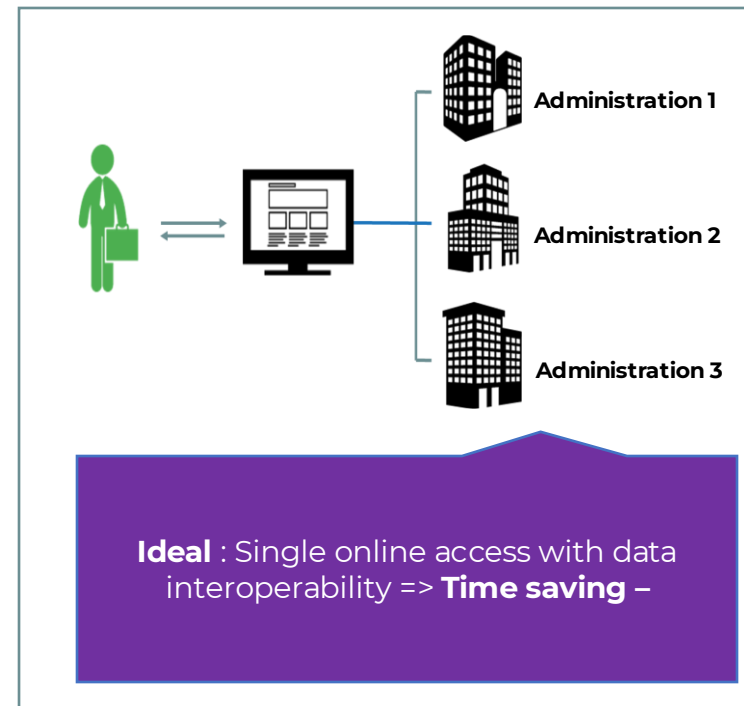
OUR INTEROPERABILITY APPROACH



Previously: Several physical counters for administrative procedures => **Waste of time for citizens**



Alternative : A physical one-stop shop for all administrative procedures => **Congestion of single points**



Ideal : Single online access with data interoperability => **Time saving -**

Objective: the automatic and secure exchange of administrative data

Automatic and secure data exchange or interoperability is the ability of organizations to collaborate effectively towards shared goals, involving the sharing of information and knowledge between organizations, through the business processes they support, and the exchange of data between their information systems

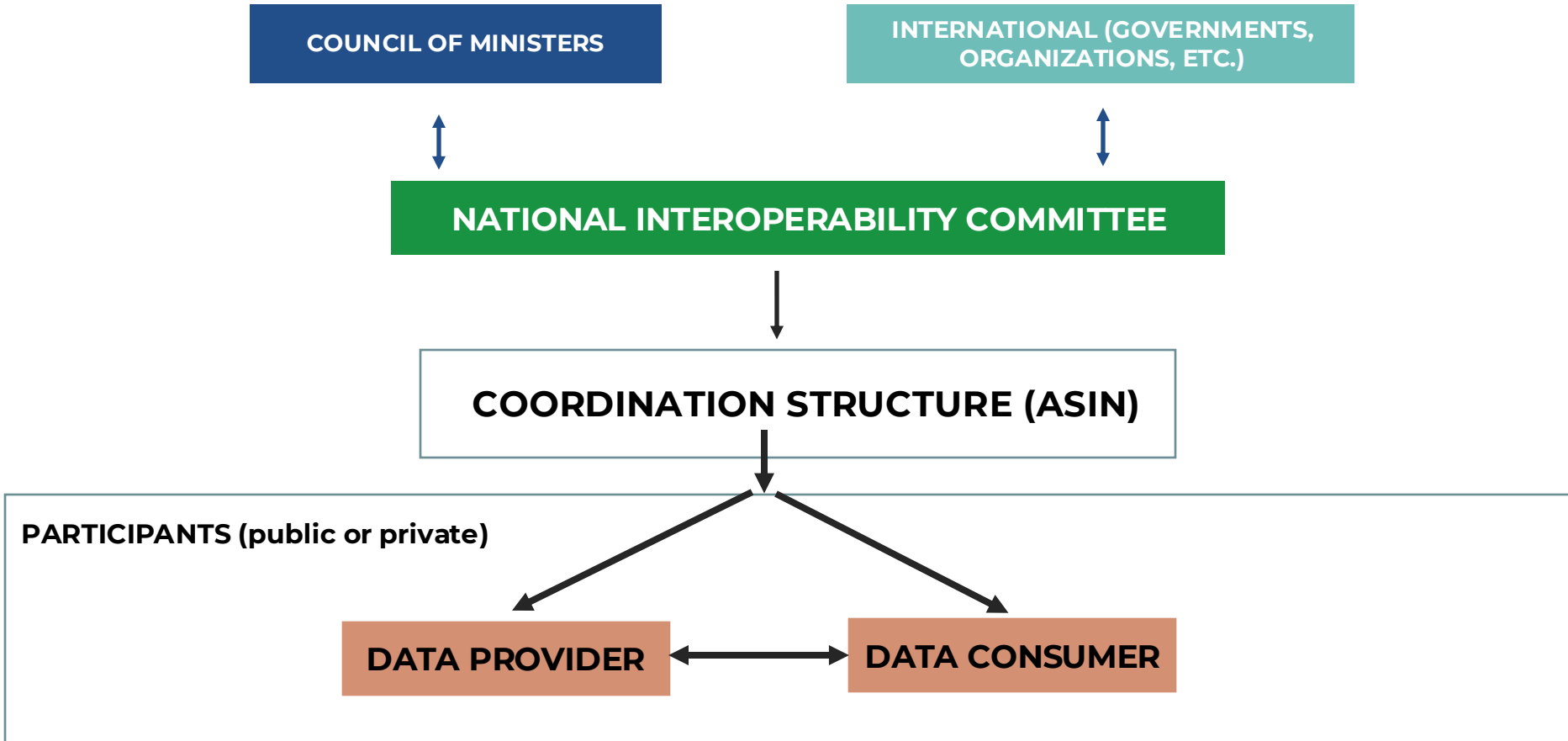
TARGET ARCHITECTURE AND SELECTED SOLUTIONS

- Implementation of a **National Interoperability Platform (PNI)** based on an ESB already known XROAD
- Identity services exposed as secure APIs to third-party systems (public at first and then private)
- Use of an **interoperability framework** based on open standards (REST, JSON, OAuth2...)



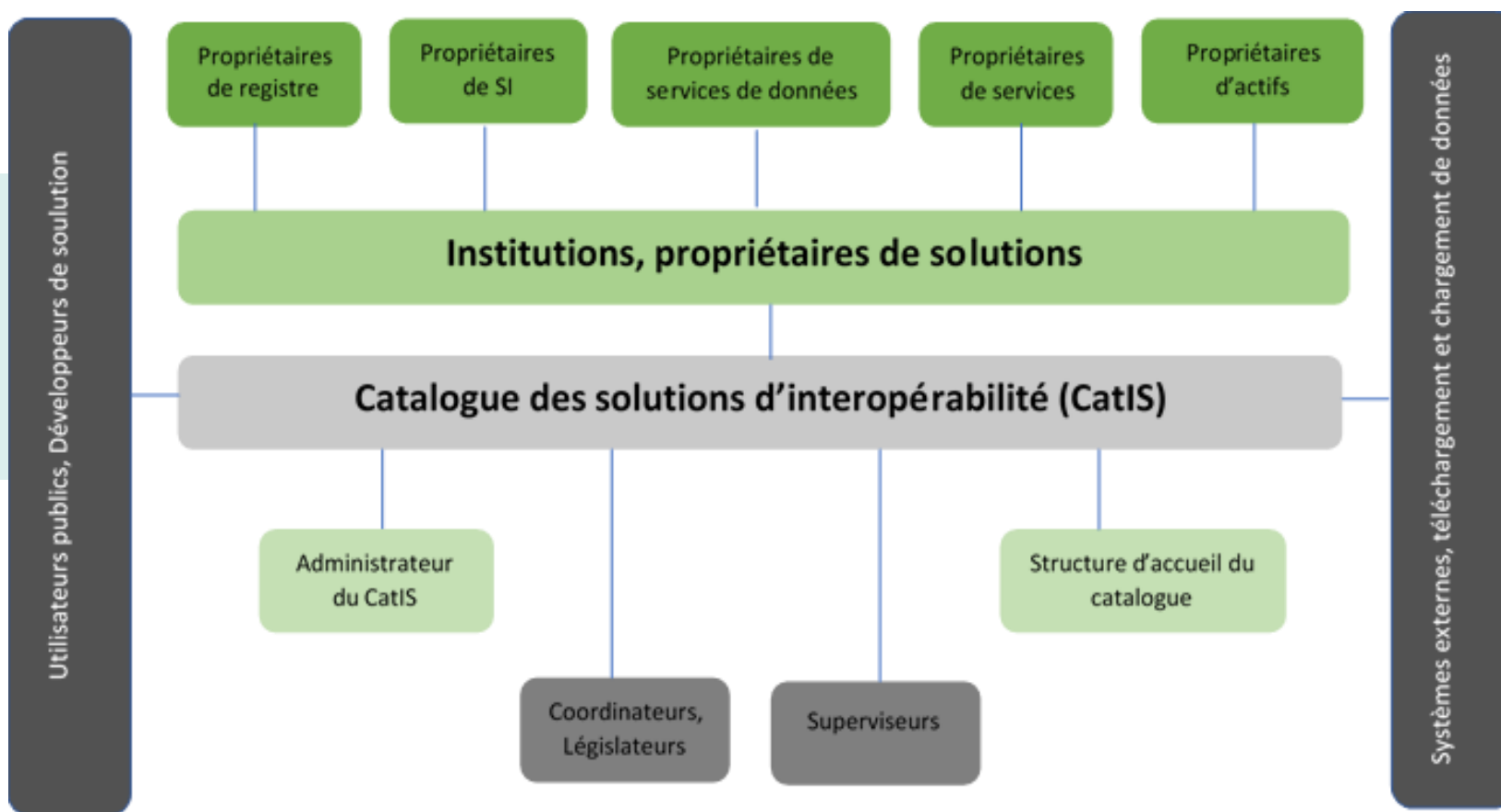
PNI – NATIONAL INTEROPERABILITY PLATFORM (GOVERNANCE)

XROAD Interoperability Framework

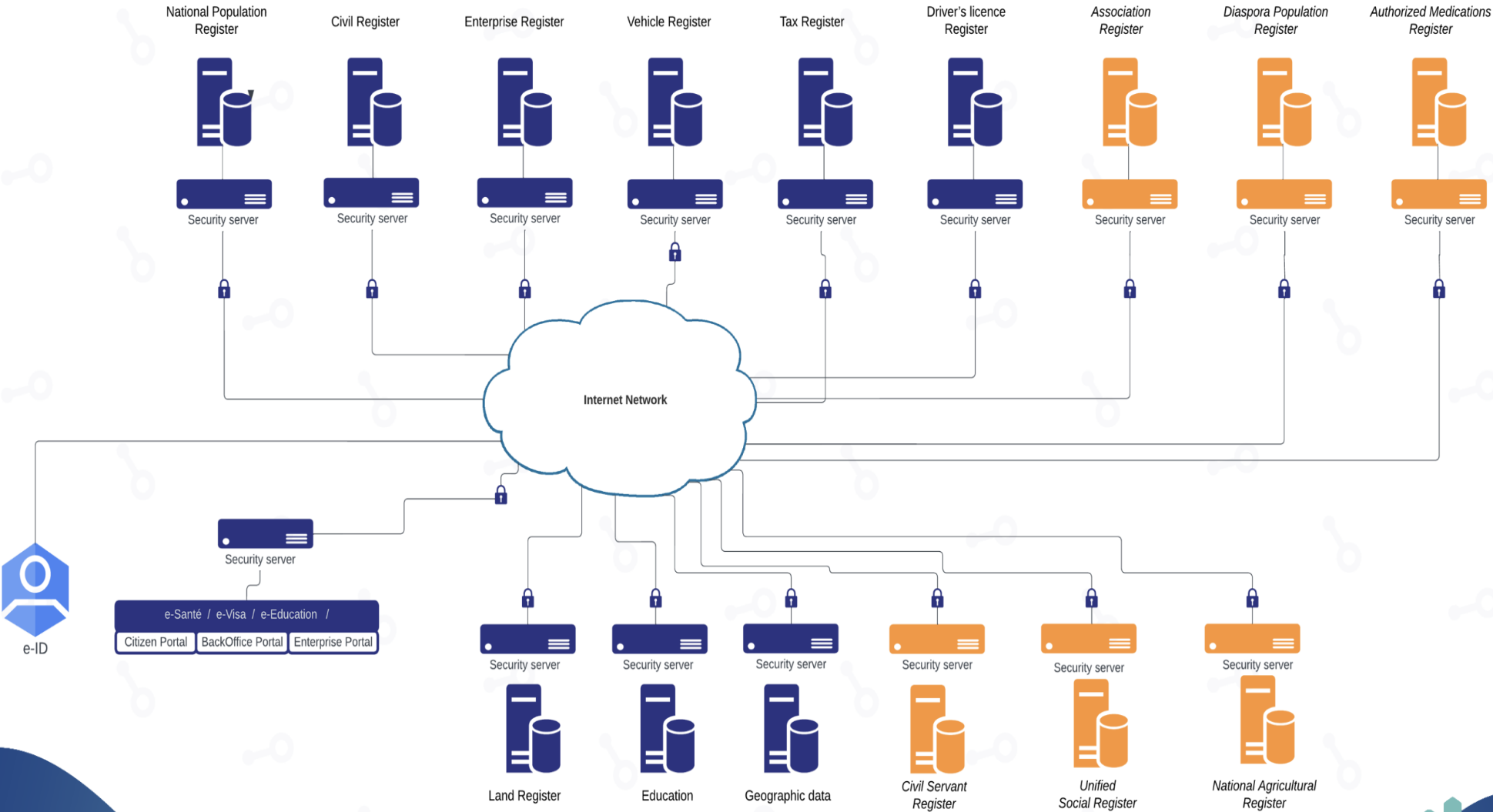


CATIS

- ✓ Implementation of an Interoperability Services Catalogue (CatIS) accessible to administrations



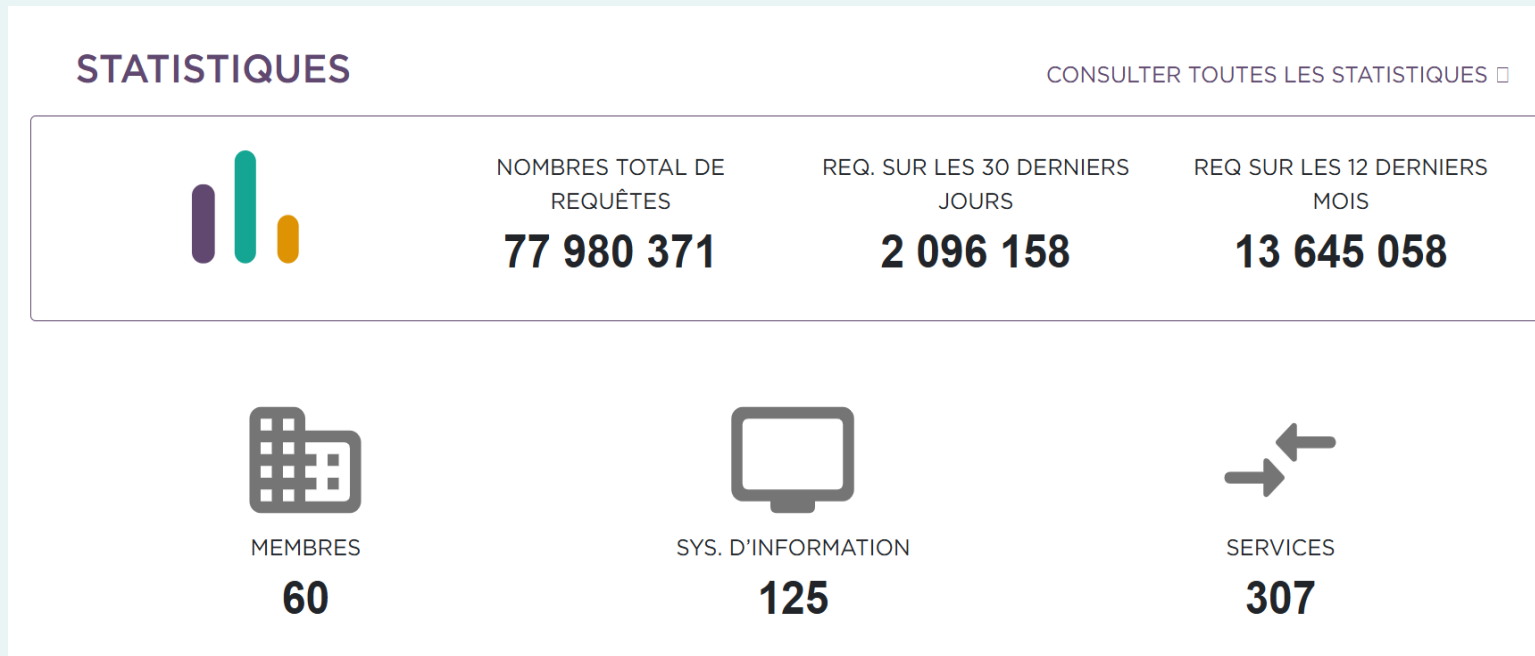
PNI (XROAD-BJ)



CONCRETE ACHIEVEMENTS BASED ON “PNI” (XROAD BJ)

- ✓ Successful integration of more than 120 systems => Public Services Portal, the registry of natural persons with ANIP? e-Tax, Insurance for the Poor, etc.
- ✓ Improvement of the user experience (e.g., pre-filling of online forms via digital identity).

Reduction of fraud (duplication) in social programs => ANIP register is accessible by all key government platform through the PNI (XROAD BJ)



NEXT STEPS



- ❑ Strengthen **data governance strategy** with the implementation of new functionalities around “**Ask once**”
- ❑ Extend **interoperability to all public communities**
- ❑ Accelerate the **integration of private structures** so that any interaction with the public sector is done through the **PNI**
- ❑ Put “**Consent**” feature at the heart of all our platforms architecture (Ethic by design) => Awareness campaigns on the **protection of personal data**.
- ❑ Accelerating Data Governance, Open Data, Responsible **AI** and **inclusivity**
- ❑ **Sub-regional cooperation** for cross-border exchanges => On going PoC with Ghana & Rwanda thanks to the **SATA project**

THANK YOU



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OUR LEGAL FRAMEWORK



Decree No. 2018-206 of 6 June 2018:
on the attributions, organization
and functioning of the National
Agency for the Identification of
Persons (ANIP)



**Decree No. 2018 - 530 of 14
November 2018:** on the institutional
framework for the governance of the
national system of public key
infrastructures

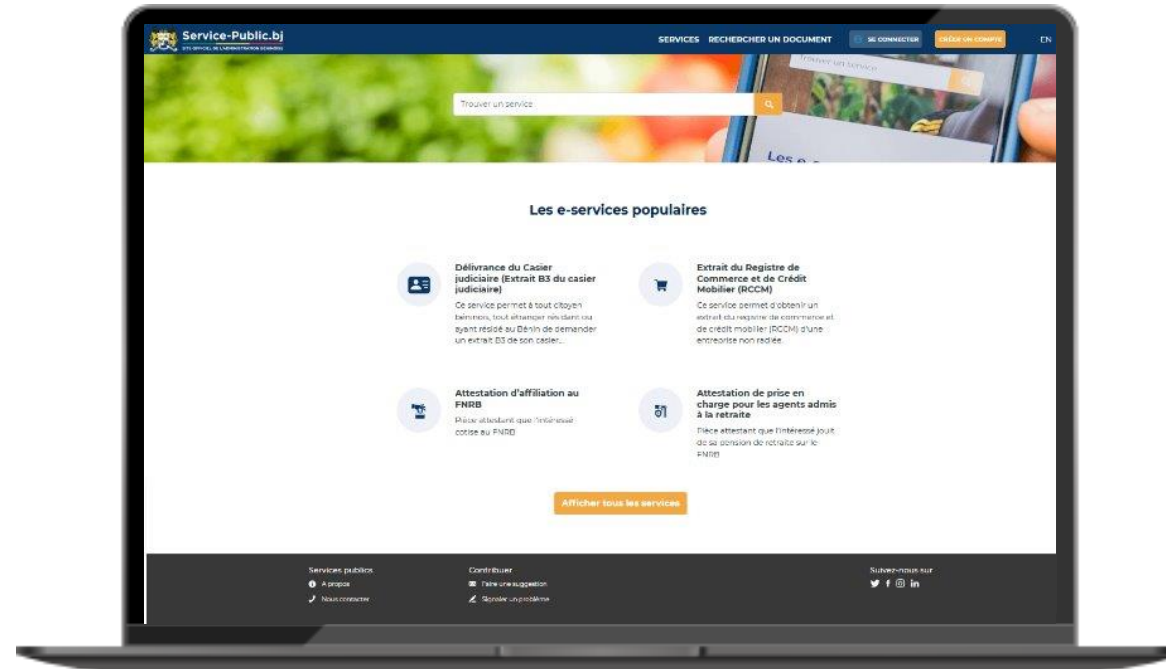


**Decree No. 2020-100 of 26 February
2020:**
implementing the National Registry of
Natural Persons;



**Decree No. 2020-099 of 26 February
2020:**
relating to the personal identification
number

NATIONAL PUBLIC SERVICES PORTAL



+ 230

E-services
(including 120 on PNS)

+ 1100

Trained agents

+ 1300

Utilities

+ 2 Million

Request per year