

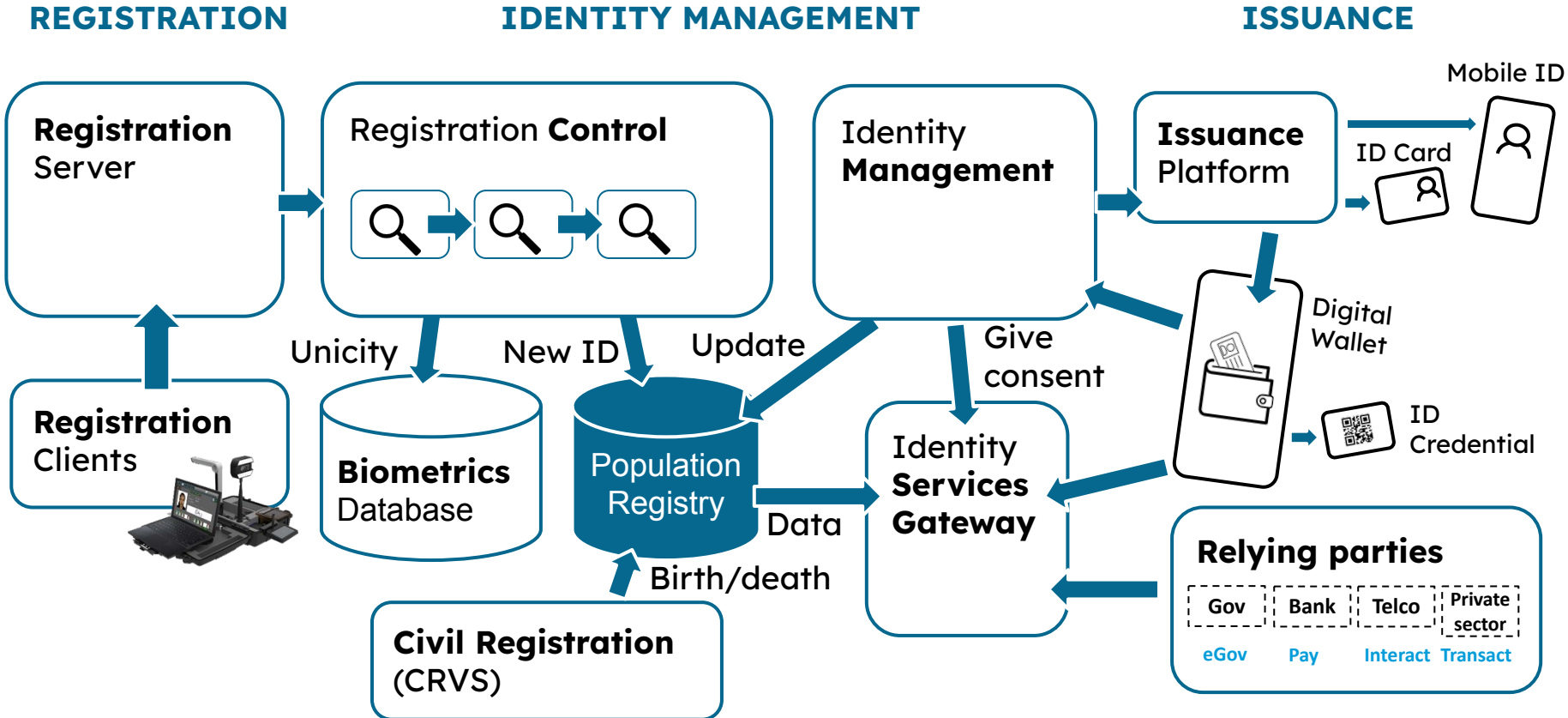
National Identity Platforms

**Building blocks and interactions for enabling
National Digital Identity**

Introduction

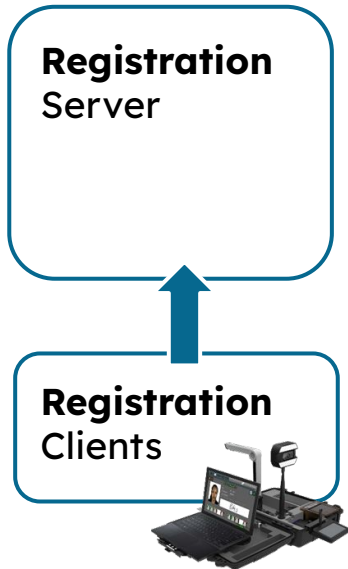
- This document describes the generic structure of an identity system, its different components and their role.
- It is to be noted the importance to build such system according the end usage of identity and notably take into account the context and capability of individuals when designing the ID Credentials and the Services .

Building Blocks of a National Identity Platform



Identity Registration

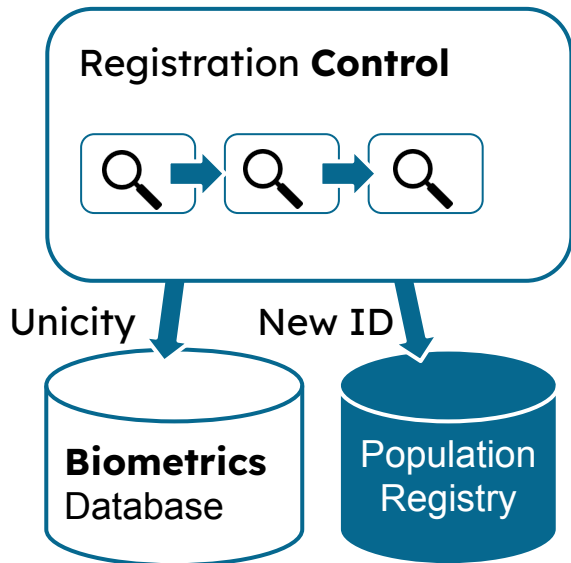
REGISTRATION



- Individual's **biometrics** are captured
- **Demographic data** are filled
- **Identity evidences** are scanned
- Data are transported to **Central System**

Registration Control

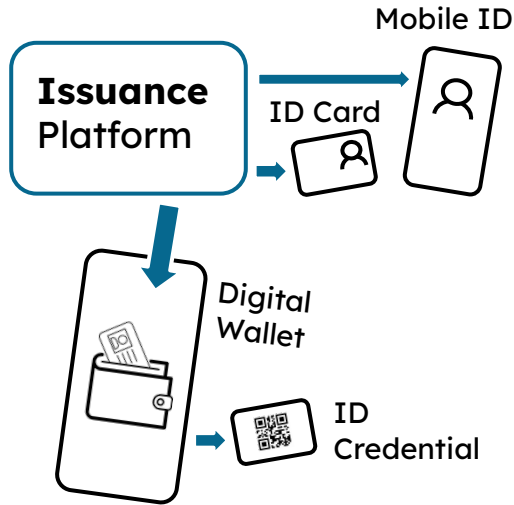
IDENTITY MANAGEMENT



- **Authenticity of data** is controlled
- **Unicity of Biometrics** is checked
- **Unique Identity Number** is created
- Identity is stored in **Population registry**
- This identity is called **Foundational ID**

Issuance

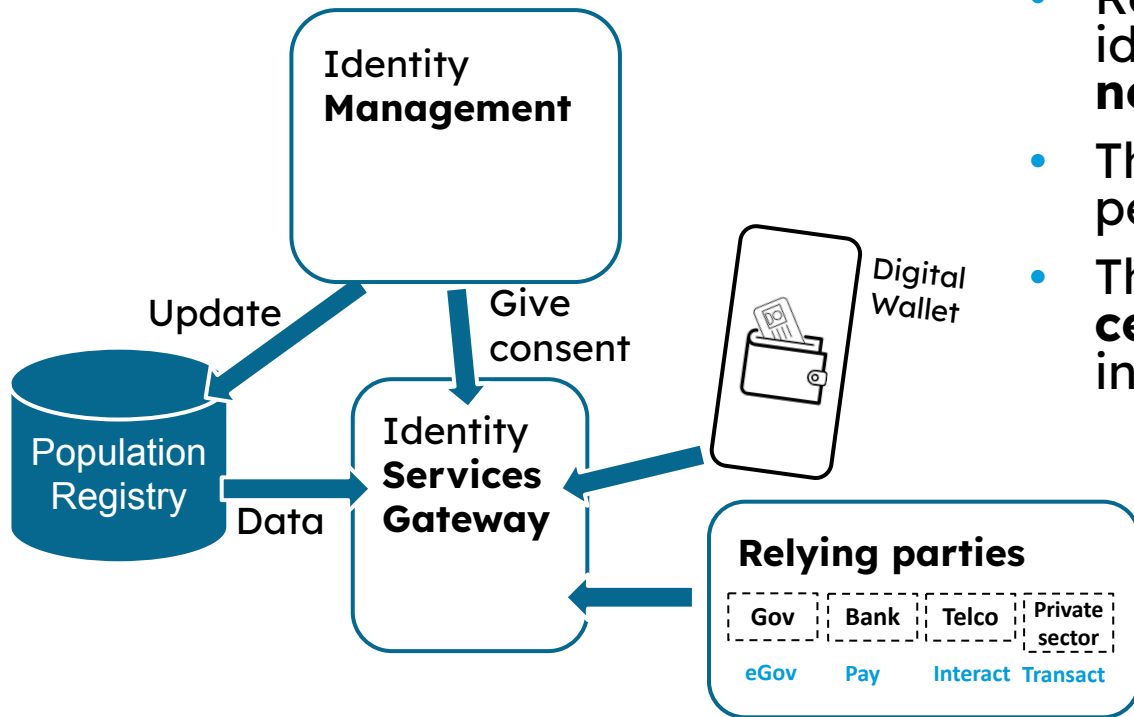
ISSUANCE



- An **ID Card** is issued
- A **Virtual ID version** can be issued on phone
- An **ID Credential** (Verifiable Credential or Claim) can be stored in a **Digital Wallet** or in **Personal data safe** in a **Cloud**

Identity Services Gateway

IDENTITY MANAGEMENT

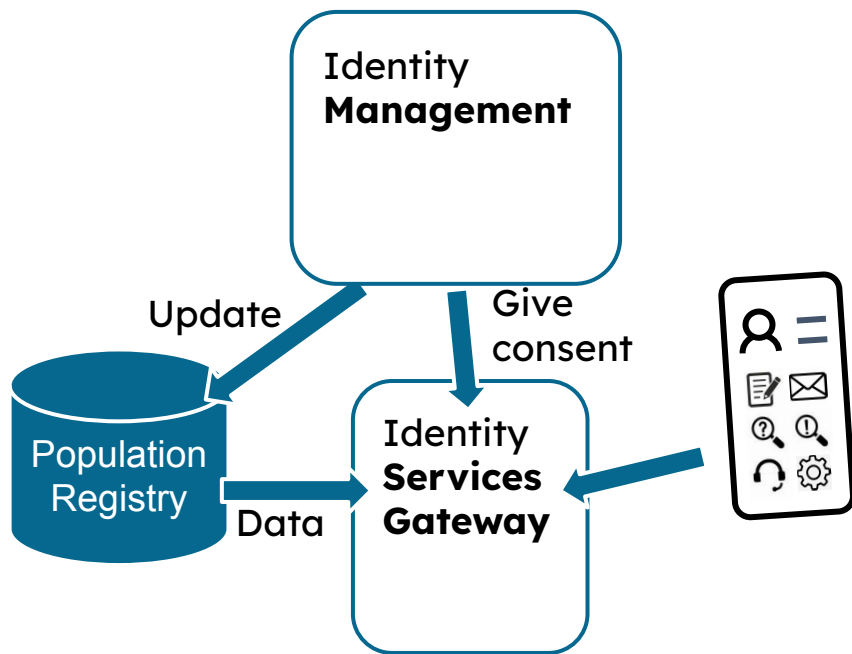


- Relying parties can verify identities when **onboarding new users**
- They can **authenticate** the persons
- They can also **collect certified identity data** after individuals gave their **consent**

IDENTITY USAGE

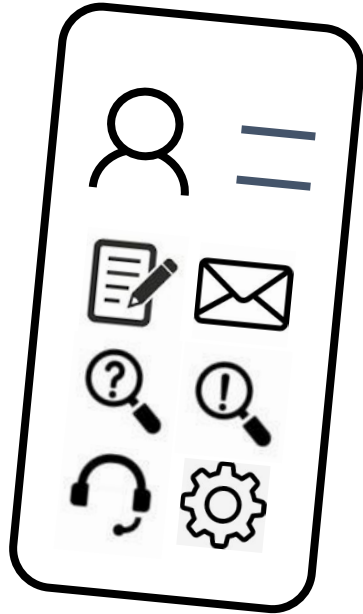
Identity management

IDENTITY MANAGEMENT



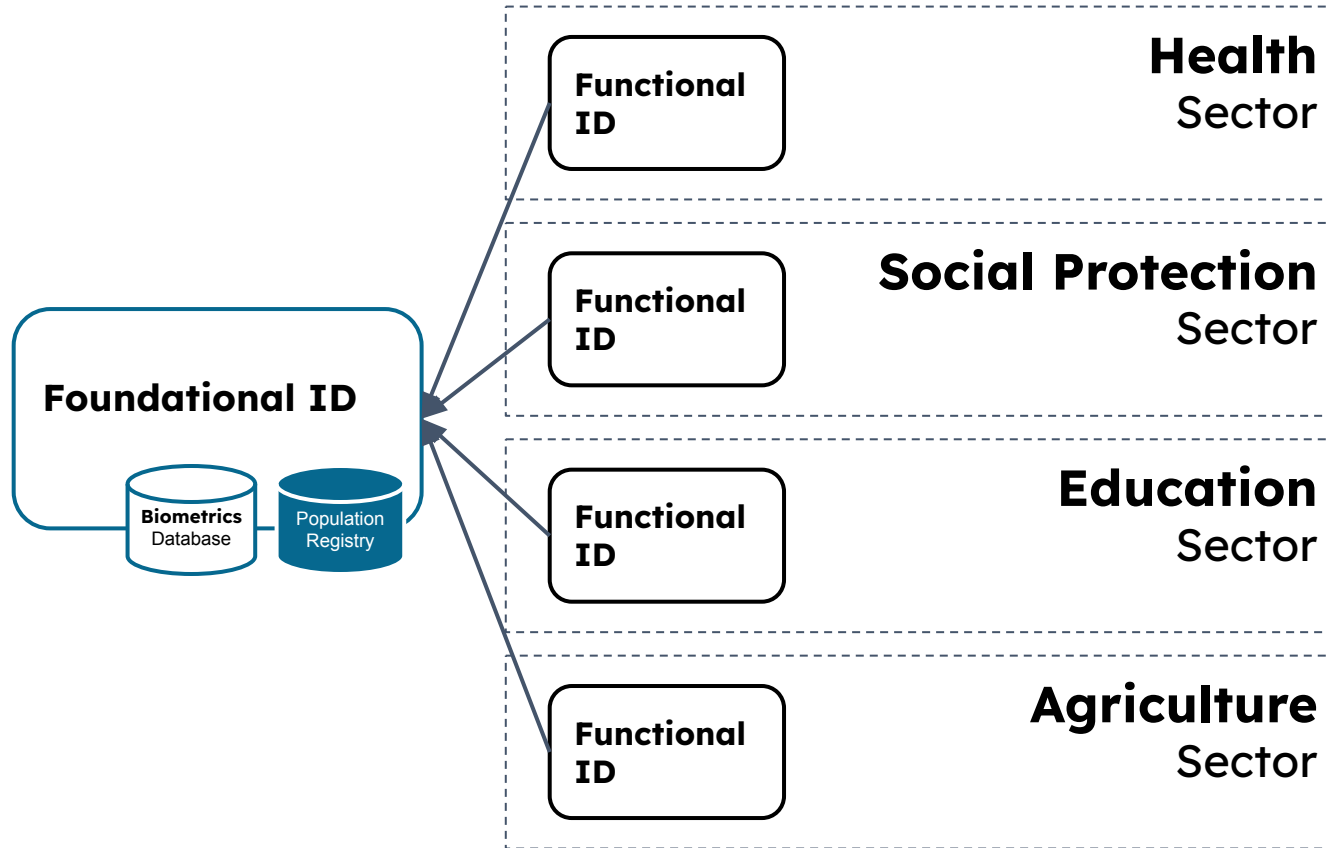
- **Identity Management** is required to **manage identity data** and offer required **privacy protection functions**

Citizens portal & Mobile companion



- Individuals need **channels to interact with the Government**
- Most common is **Citizen Portal** and **email/SMS channels**
- As most interactions will happen on mobile, a **mobile companion** would be the most relevant
- Main features would be **Authentication & Signature, Consent** and **Data sharing, transactions management, Personal data management, Government Services** access and management, user **preferences** management, **grievance** management, **learning** management.
- Mobile companion should **leverage standards**, be **modular** and **vendor neutral**.
- **Inclusive forms** of it should be proposed to individuals not having a smartphone, **access free tablets, kiosks** with support of government operators.

Foundational ID within its ecosystem

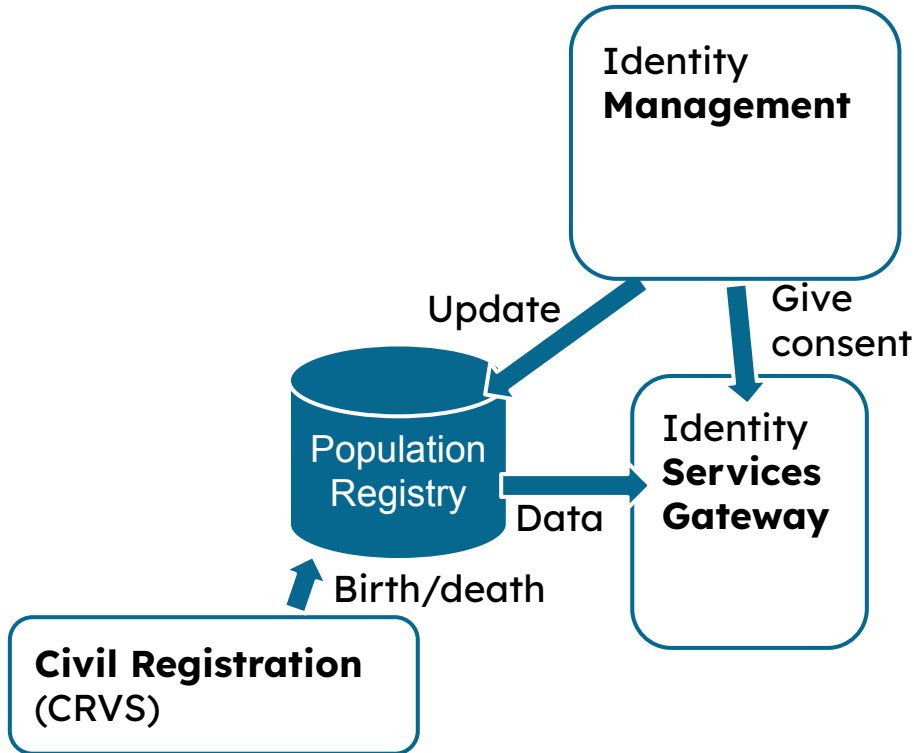


Each sector have its own **identifiers**

They are linked to the Foundational ID to ensure individuals are **authentic and unique.**

Civil Registry and Population Registry

IDENTITY MANAGEMENT



- Role of CRVS is to **record life events**
- It's the **trusted root source of demographic data**
- Each event has a **unique event identifier** (ie birth ID)
- A **birth ID** would **trigger creation of a Unique Identity Number (UIN)** in Population Registry
- A death notification would **deactivate a Unique Identity in the Population Registry** would notify it to its relying parties