GOBIERNO DE ESPAÑA

cl@ve

# Cl@ve
# A new step in eID for Government

# eID for Government in Spain


Legal framework: **LAW 11/2007**, of 22th June, on electronic access to Public Services for members of the public.

Article 13. Forms of identification and authentication.

2. Members of the public may use **the following electronic signature systems** in their relations with Public Administration bodies, **in accordance with whatever is determined by each Public Administration body**:

a) In **all cases**, the electronic signature systems incorporated into the **National Identity Card** for physical persons.

b) **Advanced electronic signature systems**, including those based on recognised electronic certificates accepted by Public Administration bodies.

c) **Other electronic signature systems**, such as the **use of passwords previously established in a register of users**, the provision of information known by both parties and other non-encrypted systems under the terms and conditions established for each case.

# eID for Government in Spain



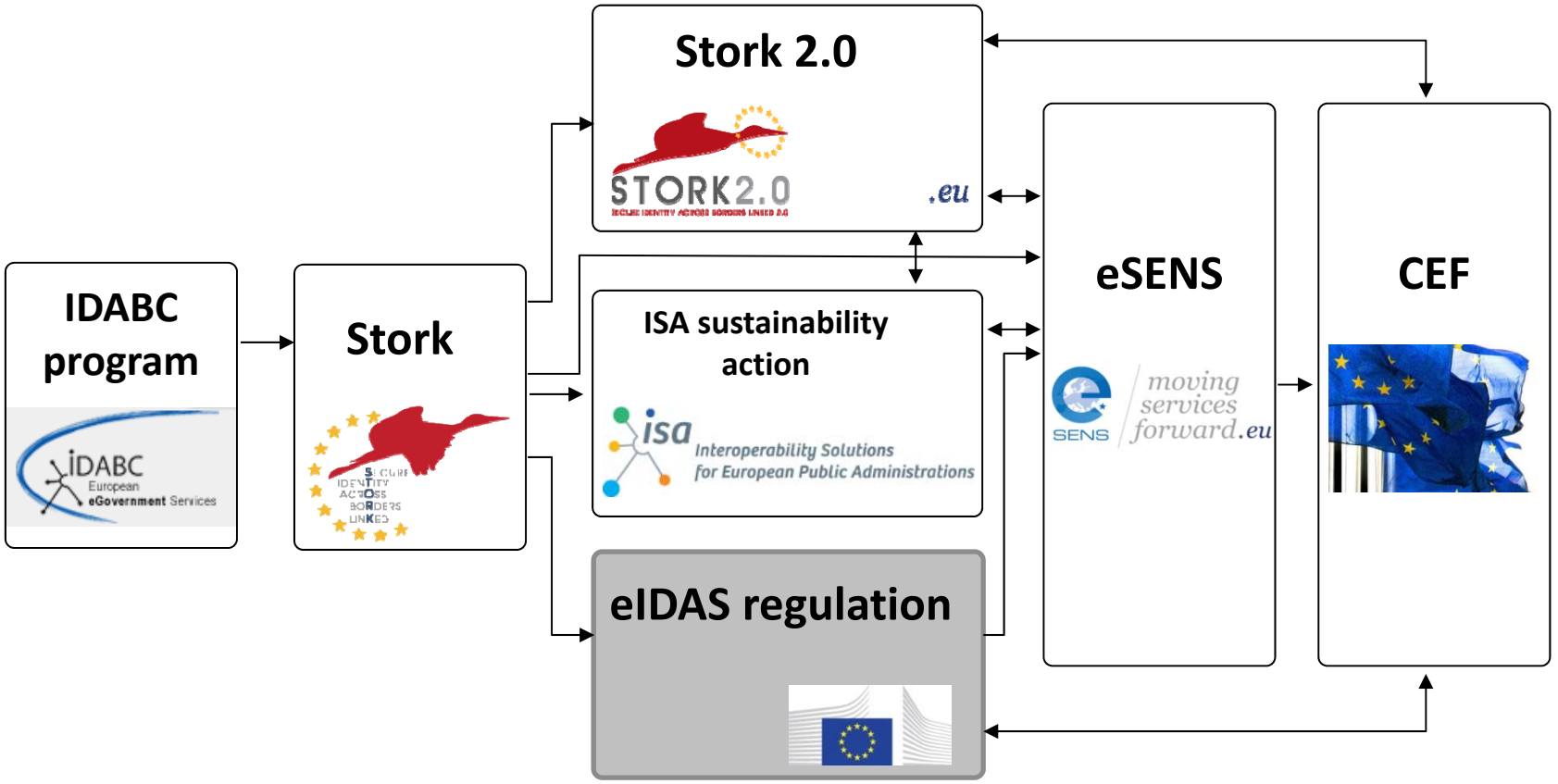
- **Different systems for identification and authentication** of citizens when accessing to digital public services
  - DNI-e (National Identity Card)

    - Mandatory acceptance by all public administrations
    - +34.000.000 DNI-e issued
    - Low use: activation, card reader, technical issues, PIN code
  - Systems based on electronic certificates

    - Universally used in e-government services
    - Balance between security and usability
      - It may imply some burden for accessing simple or non-critical services
  - Other systems (shared keys)
    - Heterogeneity
    - Specific for each public body



# eID in Europe



# CORA initiative and DTIC

## Commission for the Public Administration Reform

- Created in October 2012
- Goal: Improve efficiency and effectiveness of public activity, reducing its costs without decreasing the quality of the services provided
- Measures aimed to the rationalization of the ICT function in the national government
  - Infrastructures consolidation
  - Shared services
  - New organizational framework: CIO of the national government (DTIC)

- DTIC: Directorate of ICT
  - Created in September 2013
    - Responsible for coordinating the ICT rationalization process in the national government
  - Integrated with the DG for fostering e-government in September 2014
    - Assuming its resources and services: Red SARA, @firma, Plataforma de Intermediación, etc.

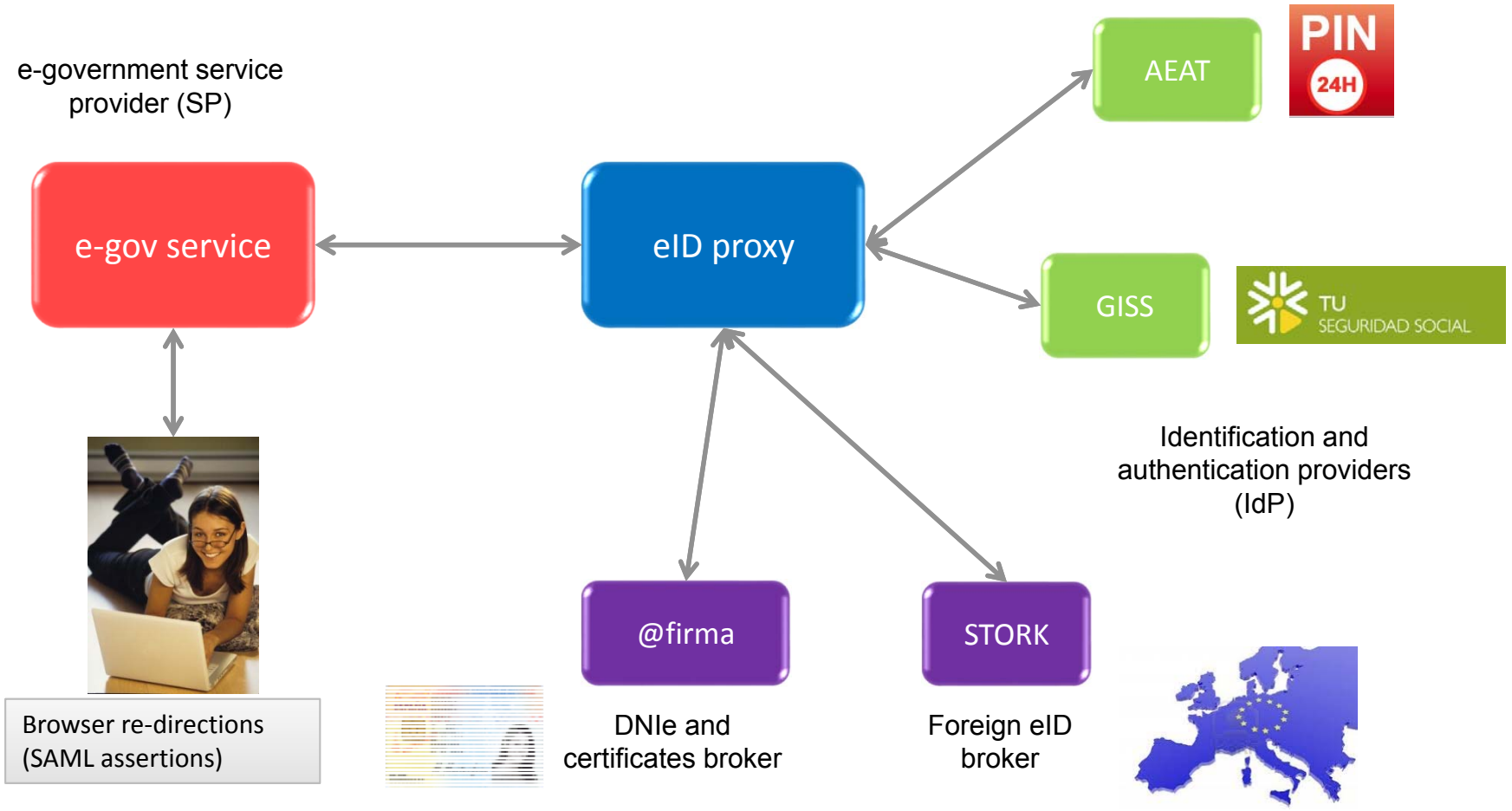
# The Cl@ve project

- **Collaborative project** promoted by the DTIC aligned with the CORA measures
- Governance
  - Reduced work group: Entities responsible for the system (DTIC, Tax Agency, Social Security, DG Police) + DG Traffic
  - Extended work group
- Formalized by the **Council of Ministers Agreement** of September 19th , 2014
  - Cl@ve is the common platform of the National Administrative Public Sector for identification, authentication and electronic signature by using shared keys, open for use by all levels of government
  - Mandatory by the end of 2015
- It started operation on Nov, 17th
- Based on the results of STORK
  - Specifications: SAML 2.0 STORK profile
  - SW implementation (PEPS, integration packages)

# The Cl@ve system

- System aimed to **unify and simplify electronic access** by citizens to public services
  - Main goal: A citizen can identify and authenticate in front of a public body using shared keys, without remembering different keys for accessing different services
- It **complements the current systems** based on DNI-e and electronic certificates
- It requires **registration**
  - In person
  - Online: Electronic certificate / shared knowledge (tax information)
- **Two modalities** of electronic identification based on the use of shared keys:
  - **Cl@ve PIN**: User (NIF) + Password formed by two parts, one part chosen by the citizen; the other a code sent by SMS to her mobile phone with limited validity in time. It is intended for users accessing services sporadically.
  - **Cl@ve permanente**: User (NIF) + password defined and kept by the citizen, reinforced (if required) by a code sent by SMS to her mobile phone.
- It will offer the possibility of **signing in the cloud** with personal certificates kept in remote servers

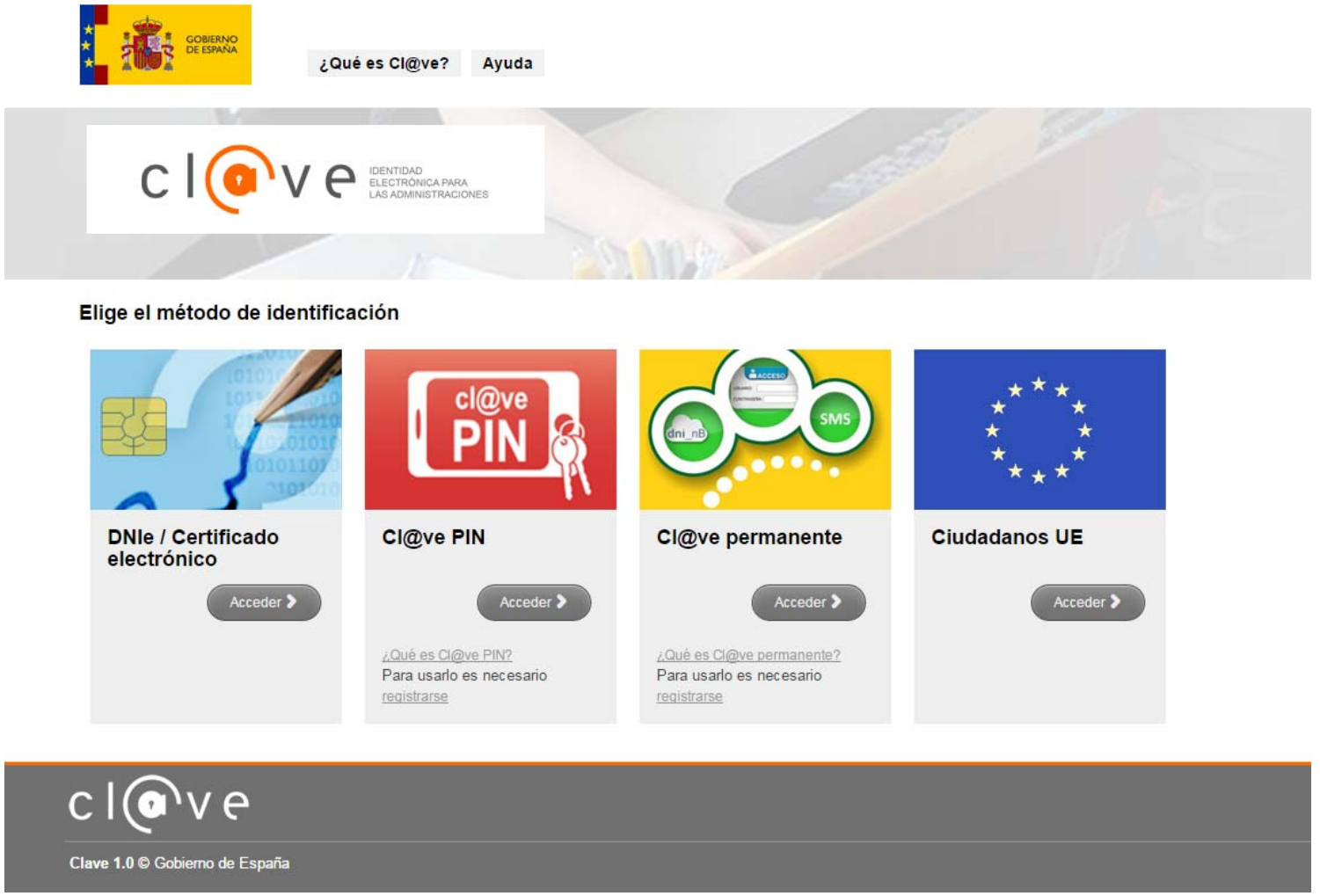
# Overall view



# eIDAS alignment

- Integration with **foreign eID**
  - Support for the future obligation of eID recognition
  - Now by means of STORK
- The service provider defines the **level of assurance** of the authentication that requests for accessing its service
- Levels of assurance based on
  - **Enrolment phase** (with shared knowledge, with certificate, in person)
  - **Authentication phase** (type of credential used)
- Levels matching those foreseen in eIDAS
  - **Low** (Clave PIN, Clave Permanente)
  - **Substantial** (reinforced Clave PIN and Clave Permanente, SW certificates)
  - **High** (DNI-e, HW certificates)
- Final assignment to levels depending on eIDAS implementing acts outcome

# eID proxy


GOBIERNO DE ESPAÑA
¿Qué es Cl@ve?
Ayuda
cl@ve
IDENTIDAD ELECTRÓNICA PARA LAS ADMINISTRACIONES
Elige el método de identificación
DNIe / Certificado electrónico
Acceder
cl@ve PIN
Cl@ve PIN
Acceder
¿Qué es Cl@ve PIN?
Para usarlo es necesario registrarse
SMS
Cl@ve permanente
Acceder
¿Qué es Cl@ve permanente?
Para usarlo es necesario registrarse
Ciudadanos UE
Acceder
cl@ve
Clave 1.0 © Gobierno de España

# Fostering adoption

- Support for **citizens**
  - Information portal: http://clave.gob.es
  - 060 phone number
- Integration of **public bodies**
  - Integration upon request and approval
    - Public body identification data
    - Public key of the electronic certificate
  - Goal: little effort to integrate
    - To achieve the objective of all services of national government integrated by the end of 2015
  - Support for integrators
    - Integration packages
      - Java, .Net y PHP
    - Testing environment and tools
    - Available at the Technology Transfer Centre http://administracionelectronica.gob.es/ctt/clave
  - Services already integrated
    - 3 Ministries with services integrated in production environment
    - 5 Ministries with services integrated in testing environment

# What next?

- Continue with eIDAS alignment
  - Evolution for supporting eIDAS interoperability framework
    - Integration with the CEF eID DSI
  - Adaptation of the levels of assurance
  - Adaptation to the minimum data set
- Server based e-signature
  - Planned for mid 2015
- Discussions about
  - Terms and conditions of use for public sector
  - Use by private sector
  - Integration of other IdP (public and private)
  - Identification of legal persons

# Thank you