H2020 Project Clustering
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The consortium

- Large Industry: 3
- SME: 1
- Online Service Provider: 1
- Law Enforcement: 3
- Research: 1
- Technical coordinator

Atos
Project coordinator

aries-project.eu
FCT-09-2015 Law Enforcement capabilities topic 5:
Identity Management

- Set up an e-ID ecosystem
  - Security
  - Efficiency
  - User friendliness
  - Trust
  - Privacy
  - Data protection
Outline

- Introduction
  - Objectives
  - Consortium
  - Use cases
- Aries Ecosystem Overview
- Architecture
1. Reliable **identity ecosystem**

- technologies to ensure highest levels of quality in secure credentials
- privacy-respecting IdM processes
2. Strengthen link between **physical and virtual** worlds

- breeder documents ↔ online and mobile identities
- High assurance elements (biometric verification)
- involvement of key security stakeholders
3. Address aspects of **identity-related crimes:**

- legal, ethical, socio-economic, technological
  and organisational aspects of identity-related crimes
4. Validate ARIES' results
Introduction – Aries Ecosystem Overview
Registration - ID Proofing

Create Account
Get your ID and Start your online self registration to create your safe Mobile ID!

Proceed
Place the MRZ of your document inside the target area

Cancel
Passport chip reading in progress
Biometric enrolment

GONZALEZ REAL
EDUARDO
01/01/1970
Sex Male
Nationality France

Set Verification Method
Choose a method to authenticate:

- Your Verification
- Your ID
- Your Cloud
- Tutorial

Draw Pattern
Define the Pattern you will use to authenticate.

Pattern recorded

Continue

Please confirm the creation of your authenticator handler with face recognition.
Manage access to personalized online service with a convenient authentication from here!
Access to SONAE e-shop
Identity Virtualization

Use cases
ARIES Innovation

- Link physical and digital credentials
  - Identity derivation from breeder documents
- Privacy by design. Anonymous Credential systems
  - Minimal disclosure through Cryptography proofs
- Support Identity-fraud investigation by LEAs (secure vault)
- Secure wallet
- Two factor strong authentication
  - Biometrics (face, voice,...)
- User centric and device centric solution
  - Mobile PKI, OpenID
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