DIGITAL IDENTITY
PRIVACY THREATS AND BUSINESS OPPORTUNITY, WILL THE TECHNOLOGY FIX EVERYTHING?

Horizon 2020 – PoSeID-on Public Launch Event
Thursday October 25th 2018, Rome
Ministry of Economy and Finance
Via Pastrengo,1
HORIZON 2020

NOIPA is the largest payroll service in the world.

FRANCESCO PAOLO SCHIAVO
Director of the Directorate of Informative Systems and Innovation (DSII) of DAG and PoSeIDon project coordinator, MEF

MESSENGER

DIRECTORATE OF INFORMATIVE SYSTEMS AND INNOVATION

MINISTRY OF ECONOMY AND FINANCE

ITALY
DIGITAL IDENTITY

opportunities

DATA PROTECTION

NEW SCENARIO

CHALLENGES

POSEIDON

NOIPA

APPLICATIONS

USERS

PERSONAL INFORMATION

PRIVATE AND PUBLIC ORGANIZATIONS

GDPR PRINCIPLES

PROTECTION

CONTROL

INTEGRATION

TOOLS

IMPROVED SERVICES

EASY ACCESS

SUPPORT

RENATO CATALANO

HEAD OF DEPARTMENT OF GENERAL ADMINISTRATION OF PERSONNEL AND SERVICES (DAG)

ITALIAN MINISTRY OF ECONOMY AND FINANCE - MEF

PUBLIC UNIVERSITY

PRIVATE

THREATS FACTORS

MORE DIGITAL SERVICES

ISSUES

HORIZON 2020

DAG AND INNOVATION PATH
DIGITAL DATA and PERSONAL IDENTITY

IDENTITY

BEHIND DATA

HUMAN

PEOPLE

BEHAVIOUR

REPUTATION

INTERACTION IN A SOCIAL ENVIRONMENT

WHAT WE ARE

WHAT IS OUR REPRESENTATION?

WHAT KIND OF CONTROL?

DIGITAL CONTEXT

COLLECTING DATA

KEY

COMMODITY FOR CRIMINALS

VULNERABILITIES

HUMAN PROBLEM

HUMAN CENTRED APPROACH

AWARENESS

EDUCATION

TRAINING

SOLUTIONS

COMMUNICATION

BALANCE

ATTITUDE / BEHAVIOUR

DICHOTOMY

GIVE ANSWERS

ISABELLA CORRADINI

SCIENTIFIC DIRECTOR

SPECIALIST IN CYBER SAFETY AND SECURITY WITH A HUMAN BASED APPROACH

THEMIS RESEARCH CENTRE
FUTURE

DIGITAL LIFE

TRANSACTION

DATA

PUBLIC

PRIVATE

PLATFORM

INTERACT

EU

ELECTRONIC IDENTIFICATION AND E-PRIVACY: EU

ROBERTO VIOLA

GENERAL DIRECTOR OF DG CONNECT

EUROPEAN COMMISSION

POSEIDON PROJECT

BLOCKCHAIN TECHNOLOGY

FINANCIAL COMMERCE

SERVICES

FULLY COMPLIANT

PROTECTION

SERVICES

SOLUTIONS

IDENTITY SYSTEMS

REFORM PRIVACY

POLICY

REGULATORY ASSETS

TRUST
**PoSeID-on Project Experience**

- **Digital Identity**
- **Growing Importance**
  - **Tools**
  - **Trust**
  - **Control**
  - **Consensus**
  - **Awareness**

- **Blockchain**
  - **Technology**
  - **Support**
  - **Security**
  - **Easy**
  - **Simplify**
  - **Integration**
  - **Transparency**
  - **Interact**
  - **User = Actor**

- **Opportunities**
  - **New Business Profiles**

- **Architecture**
  - **Web Dashboard**
  - **Manage**
  - **Risk Management Module**
  - **Personal Data Analyser**
  - **Blockchain Smart Contracts**

- **Data Journey**

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**PoSeID-on**

**Technical Director**

Alessia Valentini

Accenture

**Supports the delivery of digital public services**

**Helps Europe develop a public blockchain**

**Accepted by the EU Blockchain Observatory**
PAPAYA (platform for privacy preserving data analytics)

Fix some issues

Learn from data

Advantage

Public organizations

Prediction

Future

Data analytics as a service

Value information

Minimize risks

Monitoring

Alerting

Model

Query

Data

Protection

From whom

Cloud server querier

Data collector

User control

Anonymisation

Encryption

How

How

Privacy by design

Integrated platform collaboration

Adapt

Project experience

Data breaches

Health services

Financial services

GDP since May 2018

Integrating platform

Melek Öken

Papaya project coordinator Eurecom
ID 2020: a Global Alliance to Improve Lives

Complexity
Public Services Need to Embrace a Platform Approach

Digital Transformation

Challenges

Collaboration

Building Trust Security

Ecosystem

Transition to a Sustainable World

Digital Economy

Positive Contribution to Society

1 Billion People – No Identity

Education

Poverty

Refugees

Homeless

Biometric Technology

Blockchain Technology

Distributed Identification

Personal Persistent Portable

Make It Real

ID 2020

Finance

Healthcare

Social Services

2020

2030

Accelerate!

Bernard Le Masson
Managing Director Health & Public Service Management Consulting Global LED Accenture
DATA MANAGEMENT
INFORMATION SECURITY
DATA PROTECTION
TRANSPARENT DIGITAL MARKET
BEST TECHNOLOGY
BLOCKCHAIN PARTNERSHIPS
OPPORTUNITIES

MASSIMO GARAVAGLIA
UNDERSECRETARY FOR THE MINISTRY OF ECONOMY AND FINANCE

CHANGE!

DIGITAL TRANSFORMATION

DIFFUSION IN PEOPLE EVERYDAY LIFE
The PoSelD-on Project (Protection and control of Secured Information by means of a privacy enhanced Dashboard), funded by Horizon2020, aims to address the new challenges posed by the protection of personal data.

The work will be spread in a time span of 30 months (05/2018 - 10/2020).

A Consortium of ten partners (private and public) from seven European countries is involved.

The scope is the realization of a Personal Enhanced Dashboard (PED).

The solution allows the Users to manage their Personal Data, in order to let them actually benefit all the rights covered by the European General Data Protection Regulation (GDPR).
**POSEID-ON GOALS & EXPECTED IMPACTS**

**Strategic Goals**

<table>
<thead>
<tr>
<th>Data Management</th>
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<tr>
<td>Provide to stakeholders easy, concise, transparent and intelligible access to their personal data processed by public and private organizations</td>
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<table>
<thead>
<tr>
<th>Data Protection</th>
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<td>Support the compliance of technological services and products with the GDPR regulation</td>
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**Expected Impacts**

1. **Foster the relationships between users and private and public organizations**

2. **Developments in the digital market thanks to the reduction of users’ skepticism**

3. **Integration of existing IT protocols, practices and technologies in a innovative platform to increase transparency and reliability**
WHAT DOES THE NEXT FEW YEARS HOLD?

2018
Project kick-off
• December 2018
System and architecture requirements

2019
Technical Developments
• September 2019
First version of PoSeID-on platform

2020
Final version PoSeID-on platform
• November 2020
Project closure and test on 4 use cases