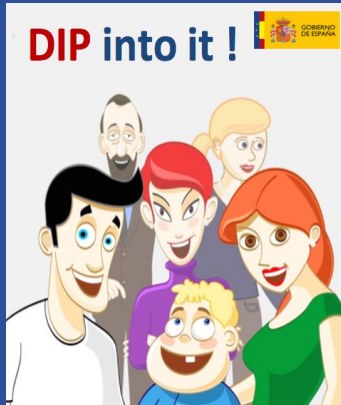# DATA INTERMEDIATION PLATFORM

Achieving a totally electronic administration
for the citizens

The IT support for the implementation of the once only principle in Spanish Government

State

Autonomous Communities (Regional level)

Local Entities

- 13 Departments
- 138 Autonomous Agencies

- 17 Autonomous Communities (Regions)
- 2 Autonomous cities

- 8.116 municipalities
- 41 County councils
- 10 Chapters and Councils (islands)

General Secretariat of Digital Administration responsible for ICT coordination

COMPLEXITY AND COOPERATION

Some competencies are specific of each authority others are shared.

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Context: Our Target the Citizen Rights

- Provide a trusted, standardised and secure service to verify personal DATA

- Reduce direct links between Public Bodies (Clients Vs Servers)

- Simplify Management and Administrative Burden enabling on-line processing

- Reducing volume of paper to Manage & Store

- Increase collaboration and interoperability among Public Bodies
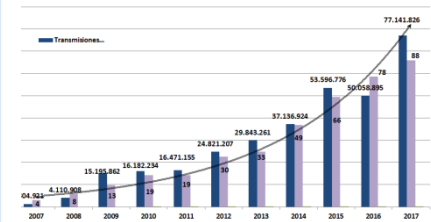
Context and Steps evolution

2006
ID and Residence Data interchange services

2007
Law 11/2007 Public Adm. Obligation to consult data

2017
77.14 Millions TX
88 Services

1992
Law 30/1992 administrative

SCSP Cloud

2015
Cloud4EELL
Law 39/2015
Law 40/2015

1992 | 1996…2007 | 2010…2013 | 2014…2016 | 2017 | 2018 | 2020

SCSP
SUSTITUCIÓN DE CERTIFICADOS EN SOPORTE PAPEL

2003
SCSP standard for Data Certificate interchange

2010
PID is born
SCSPv3 Updated
New Services

2016
CCAA first Services

2018
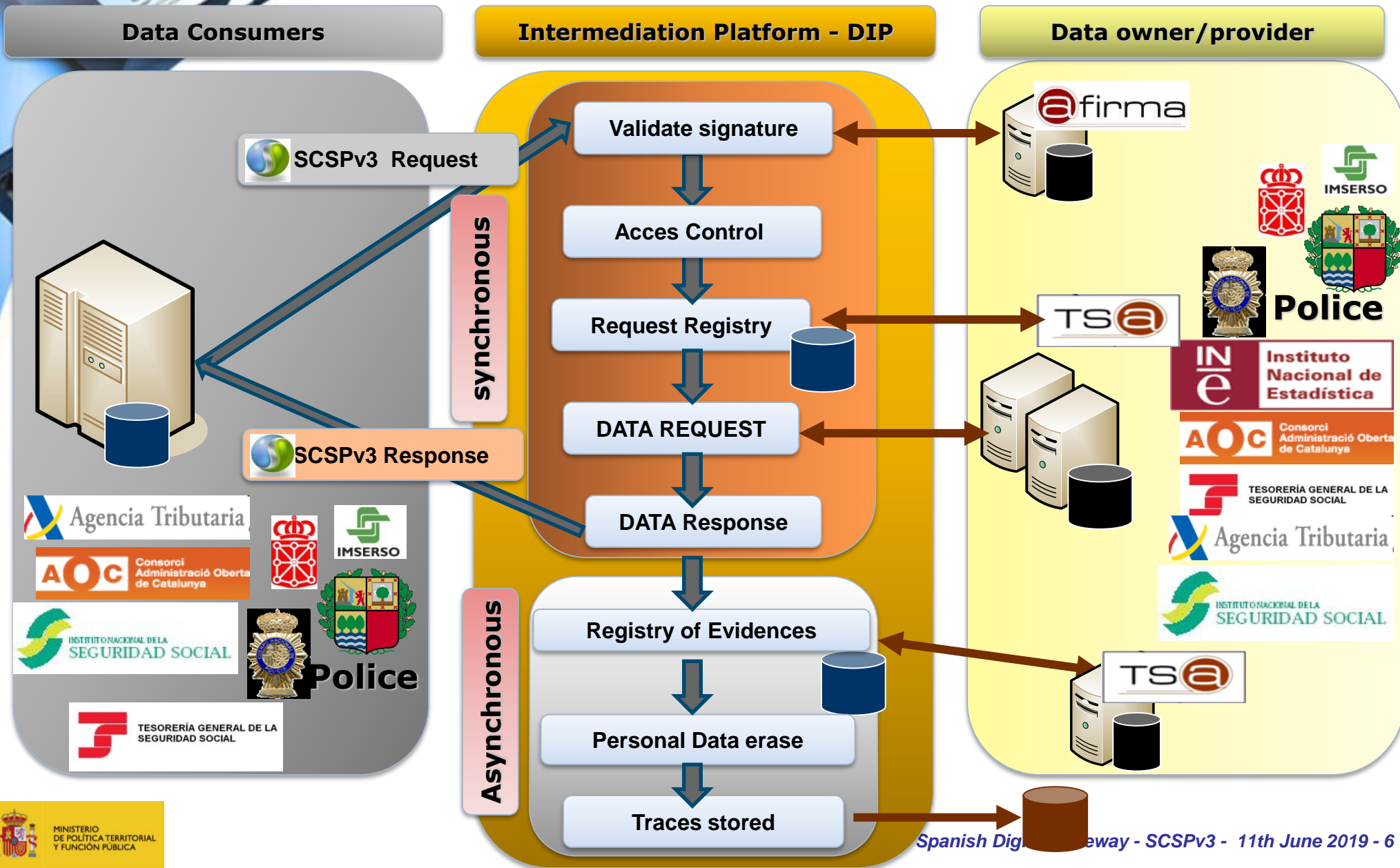120 Services
1191 «users»
80.96 Mill. Tx

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DIP & SCSPv3 Solution design

Data Intermediation Plataform
Data Verification Services

Data Consumers

Certificate Validation Authority

Data Providers
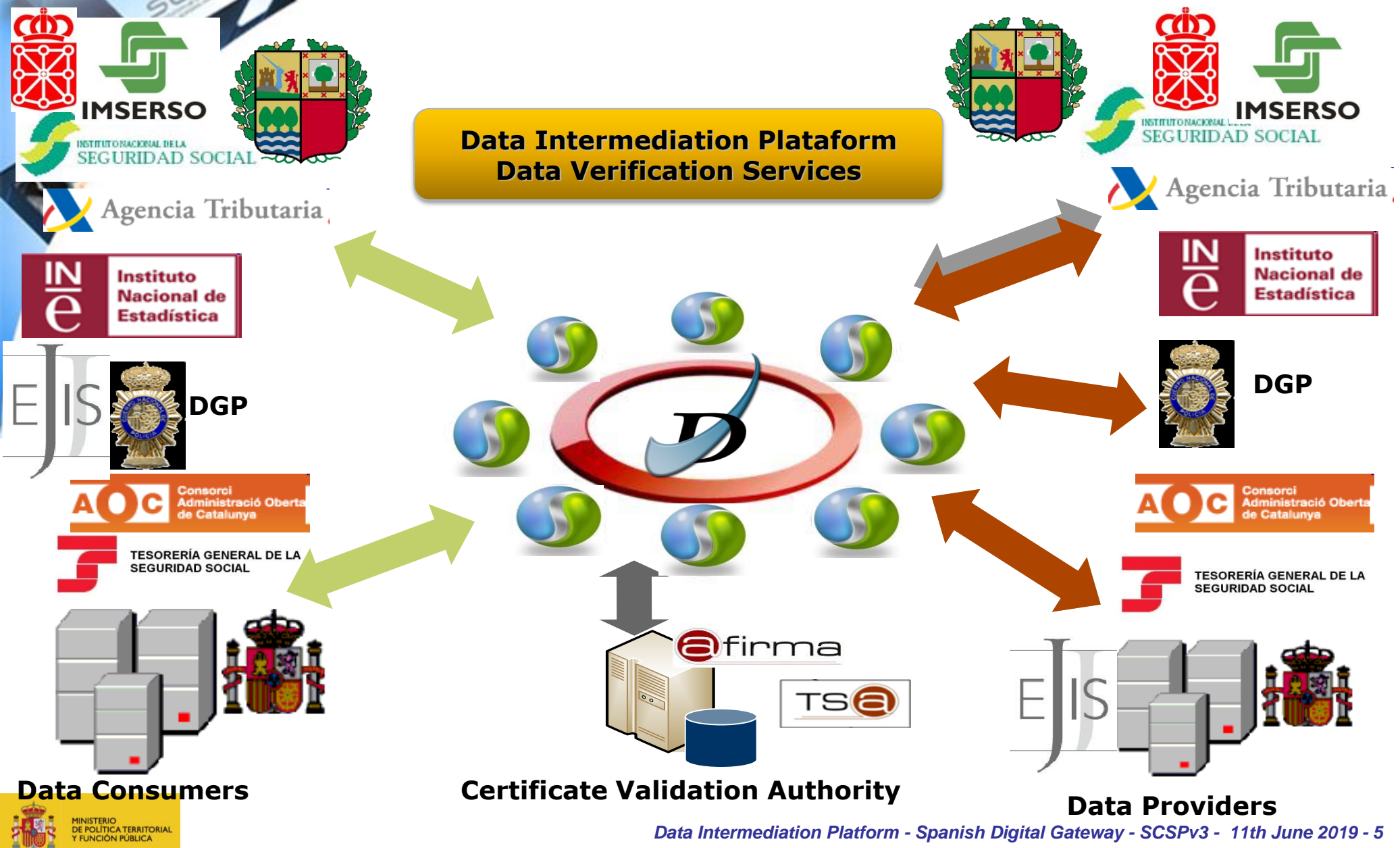
System Description

DIP as Service Oriented Architecture

- Web Services specifications based on WSDL

- Open national standard for data interchange "SCSPv3". Use of XML documents to exchange data among different services involved in the system. XSD compliant with SCSPv3 Protocol

- Web Services electronically signature through XMLDsig, WS-Security or XADEs-B

- Secure communication channels through SSL protocol

- Electronic and recognized certificates

- Time Stamping Services (TSA)

- Orchestration of services simplifying data consumption
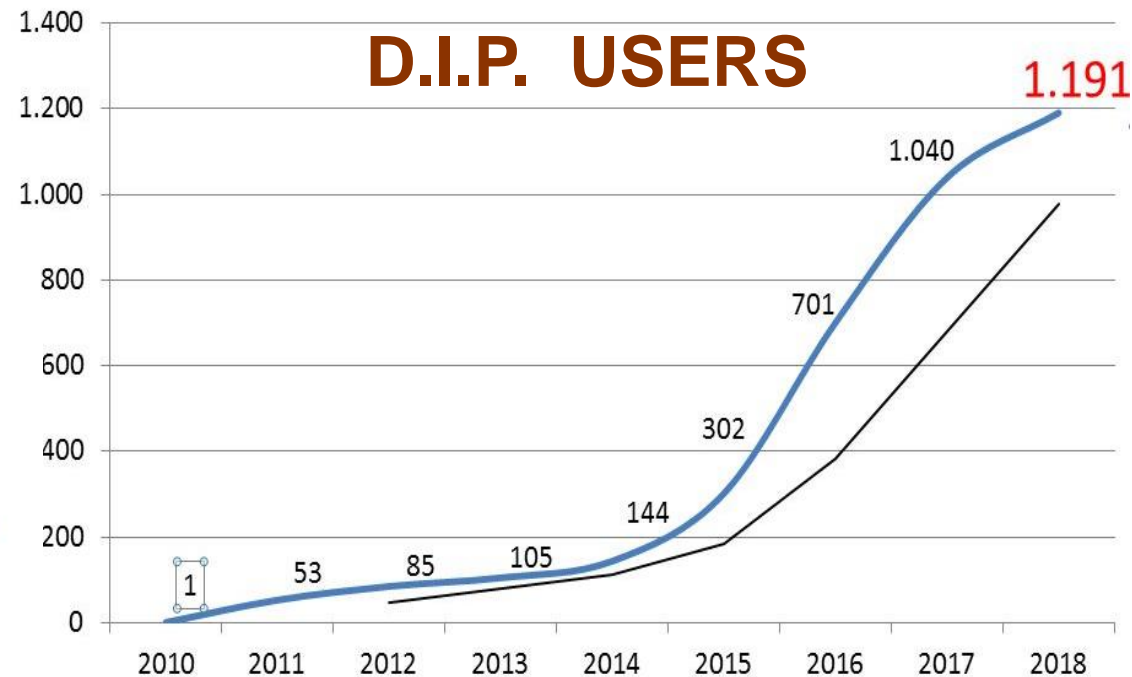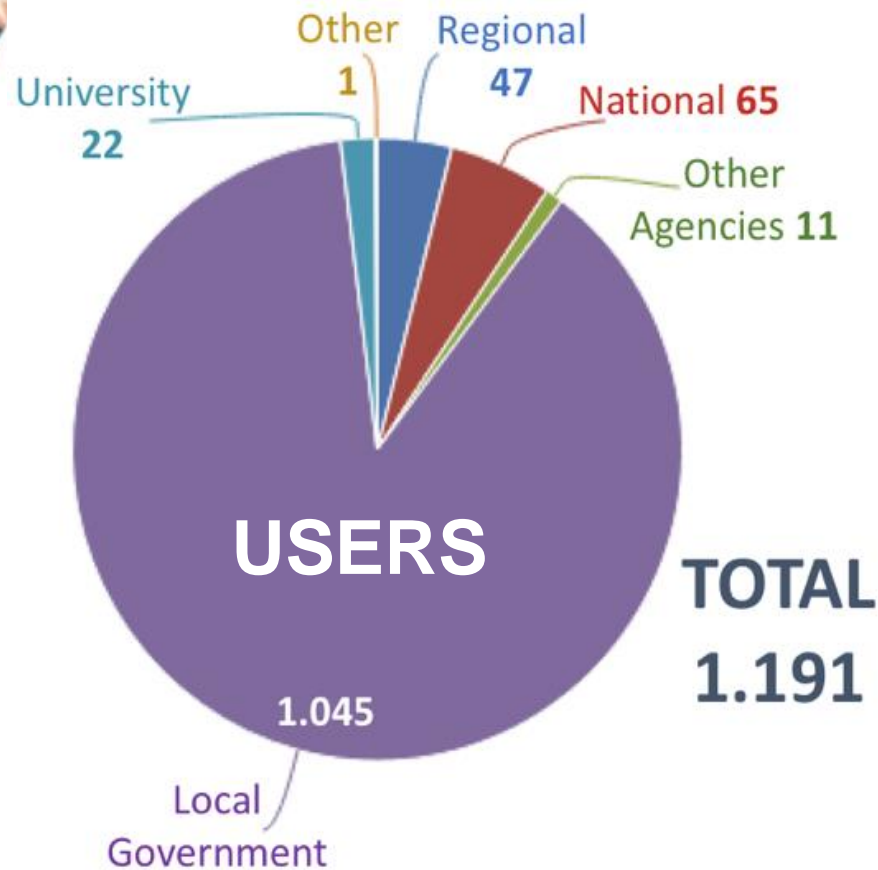
Which issue does our solution address?

- The legal obligation to verify and obtain data by the Administration making effective the "**Once only principle**".

- **End to End business Approach for "OOP"**
    - SW component And Data Sharing Protocol (SCSPv3)
    - End User Application
    - Cloud Services – Software as a Service

- Expandable, Scalable, Efficient, colaborative and sustainable overcoming a very complex organizational model.

INTEROPERABILITY · ONCE ONLY PRINCIPLE · DATA VERIFICATION · ADMINISTRATIVE MODERNISATION · E-GOVERNMENT · CLOUD · OPEN SOURCE SOFTWARE · DATA PROVIDERS · DATA CONSUMERS · PUBLIC SERVICE · CERTIFICATE VALIDATION · PROCEDURES · SCALABILITY · DATA CONSISTENCY · LIGHT CLIENT · PUBLIC-PRIVATE COLLABORATION · DATA EXCHANGE · SOLUTIONS PORTFOLIO · LOCAL ENTITIES · SCSPv3 LIBRARIES · FRAUD TACKLING · DATA IDENTITY · TIME STAMPING · RETURN-OF-INVESTMENT · UNIVERSITIES · SERVICE REUSE · SUSTAINABILITY

- **General Law recognition for "OOP"**
- **Specific Technical Regulation**
  - **Roles & Responsibilities**
  - **Platform Behavior**
  - **Authorization Policy**
  - **Security Means**
  - **Service Catalog & Details (SLA)**
  - **Grant, Blockage, and management of services and authorizations**
  - **Audit policies**
  - **Service cut-off mechanisms**

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D.I.P. USERS

USERS

University 22	Other 1
	Regional 47
	National 65
	Other Agencies 11
Local Government	1.045

TOTAL 1.191

- Constant & accelerated Growth
- All type of agencies covered

- Expandable Protocol for Data Interchange
- Reusable Client Libraries or Base Sw Component
  - Client Side (Data Consumer)
  - Server Side (Data provider)
- **Thin Client (Fully compliant with GDPR)**
- **Cloud Client for low resources Organisms**

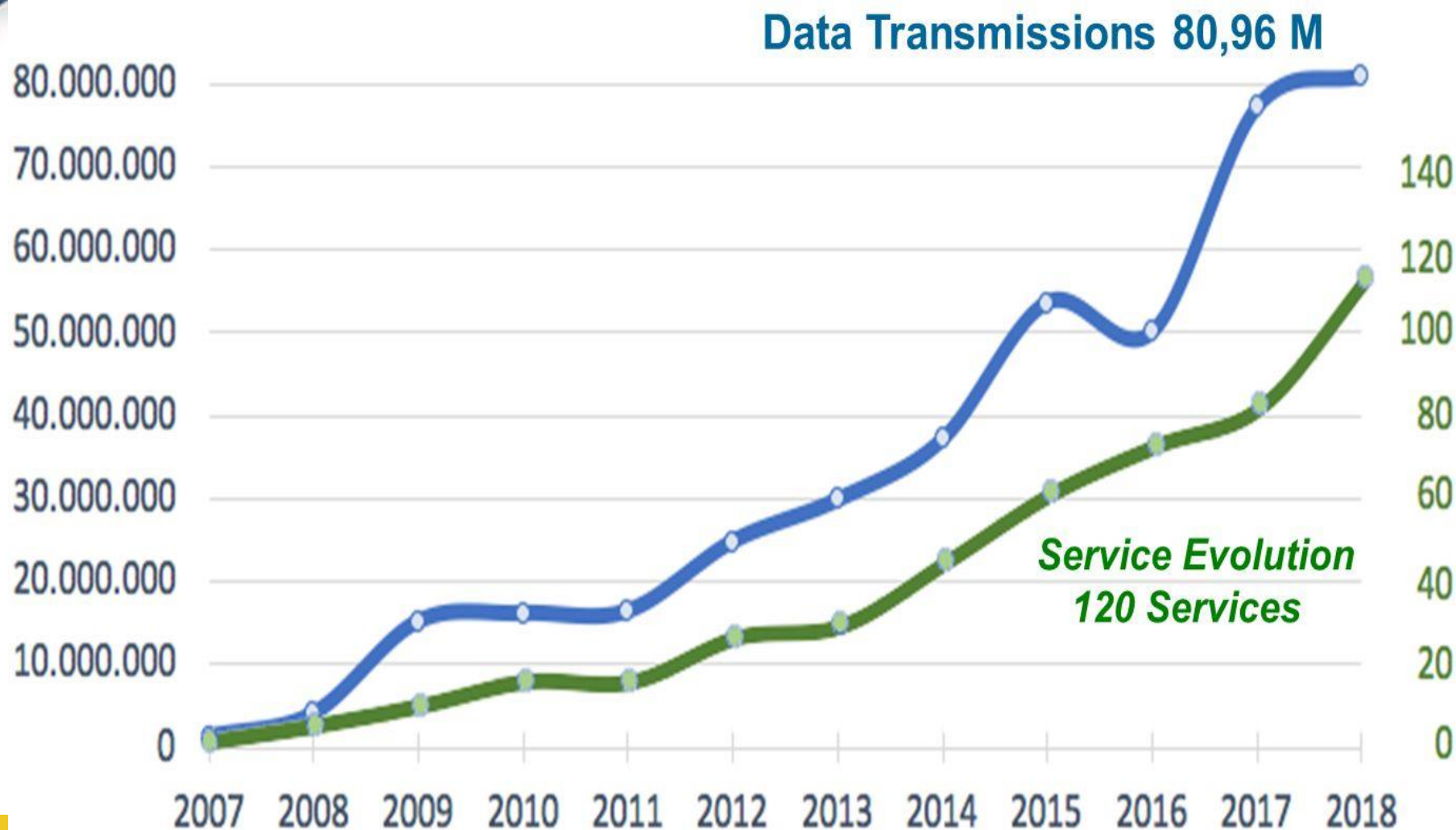| Type of Administration	Thin Client	Libraries	Data Provider	Total
National	30	12	7	49
Local no Municipality	1			1
Regional	11	2	7	20
Municipality	56	6		62
Other	1		1	2
Provincial	7	1		8
University	1	1	1	3
CLOUD SGAD	690			690
Total general	797	22	16	835

Reusing the solution- Savings and ROI

- Estimated 50.000€ per user
- 15% Annual maintenance fee (Savings)

SW development Savings - ROI (Goal - 50.000 €)				
Type of Administration	**Thin Client**	**Libraries**	**Data Provider**	**Total**
National	1.500.000 €	600.000 €	350.000 €	2.450.000 €
Local no Municipality	50.000 €	- €	- €	50.000 €
Regional	550.000 €	100.000 €	350.000 €	1.000.000 €
Municipality	2.800.000 €	300.000 €	- €	3.100.000 €
Other	50.000 €	- €	50.000 €	100.000 €
Provincial	350.000 €	50.000 €	- €	400.000 €
University	50.000 €	50.000 €	50.000 €	150.000 €
CLOUD SGAD	34.500.000 €	- €	- €	34.500.000 €
Total general	**39.850.000 €**	**1.100.000 €**	**800.000 €**	**41.750.000 €**

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Service Evolution and KPI's

Continuously Growing and expanding

Data Transmissions 80,96 M

Service Evolution
120 Services

- **Productivity Increase**
- **Money Savings … & Time Savings**
- **Value Added Services …**

TOTAL SAVINGS According to SCM

2.028.851.485 €

DATA TX

405.770.297

Year	Value
2007	1.304.921
2008	5.415.829
2009	20.611.691
2010	36.793.925
2011	53.265.080
2012	78.086.287
2013	107.929.548
2014	145.066.472
2015	198.663.248
2016	248.722.143
2017	325.863.969
2018	405.770.297
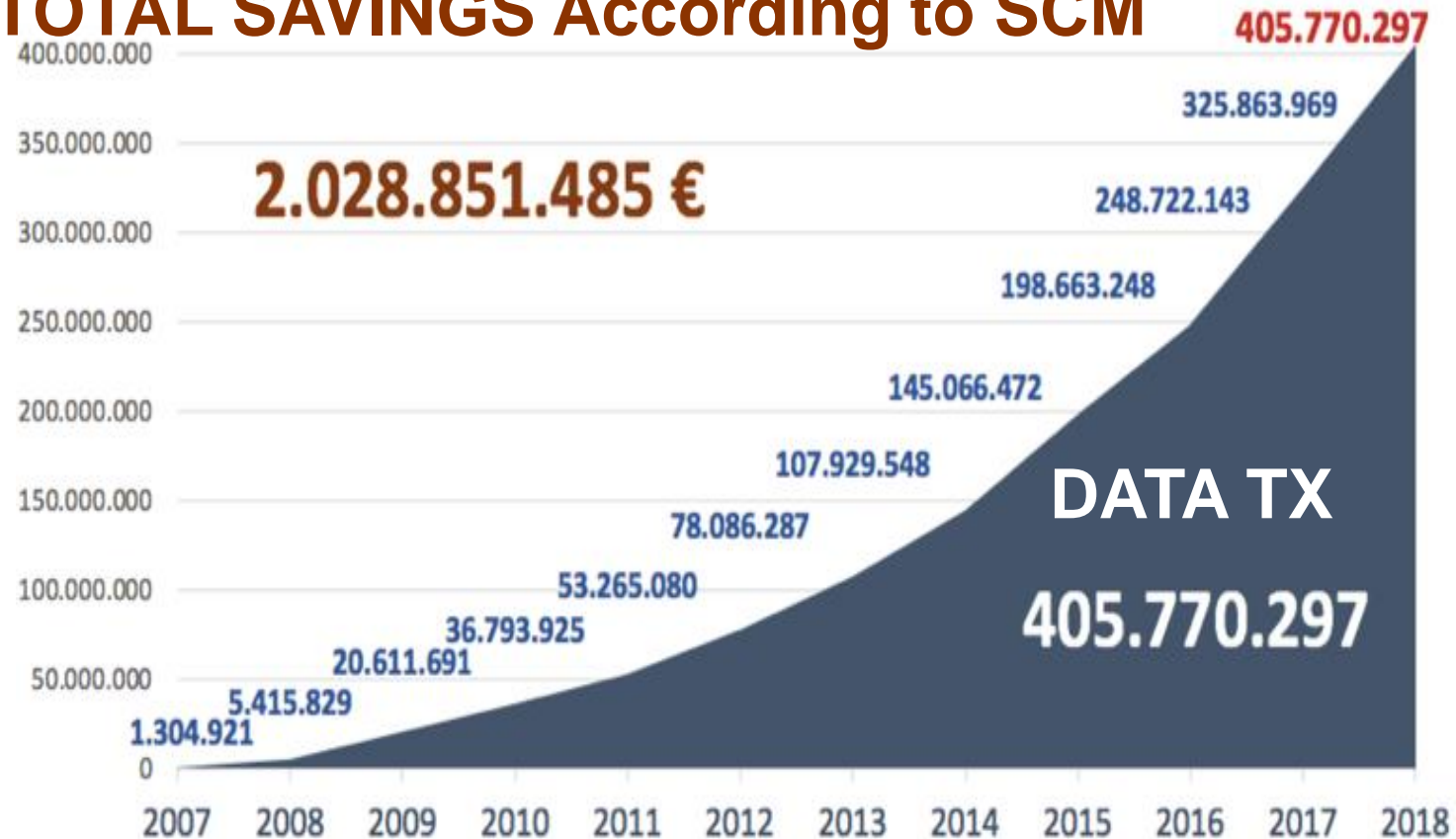
End Users benefit's - Examples

- *Digital presentation of the annual Scholarships Grants Easier and faster*
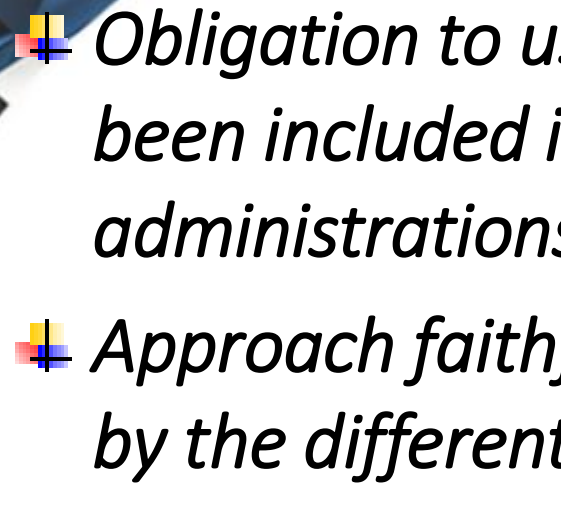- *Vital Events perfoming as Change of Address and Birth registration*
- *Telematics seizures of bank accounts*
- *Prevention of illegal gambling*

18+ JUEGO RESPONSABLE
jugarBIEN.es
juego seguro

- *Subsidy of air and maritime transport for residents of the Balearic and Canary Islands*

Sustainability of your solution

- *Obligation to use the Data Intermediation platform has been included in basic legislation that applies to all public administrations: Law 39/2015.*

- *Approach faithfully followed by the regulations approved by the different regions.*

- *Savings generated to the citizen and Public Bodies*

- *Public value & return on investment guarantees that there is no more profitable investment from the point of view of public management.*

- *Huge strength and capacity to grow*

- All Public Administrations Full coverage making the **"EU Once only principle" a reality.**

- Interoperate with "**EU-SINGLE DIGITAL GATEWAY"**

- **Life Event full coverage**: Birth, Change of Address.

- **Expand Public-Private COLLABORATION**

  - *Bank Account ID control, Age Control for beverages, ...*

- *Base Registries full interoperability*

  - **Total compliance with GDPR**

DATA

INTERMEDIATION

PLATFORM

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Data Intermediation Platform & SCSPv3 Portfolio (DIP)
General Secretariat for Digital Administration

http://administracionelectronica.gob.es/PAe/intermediacion

LIFE **M**ADE **E**ASY