



**DIGIT D3**  
Directorate-General for Informatics

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# TESTA - 20 years of history

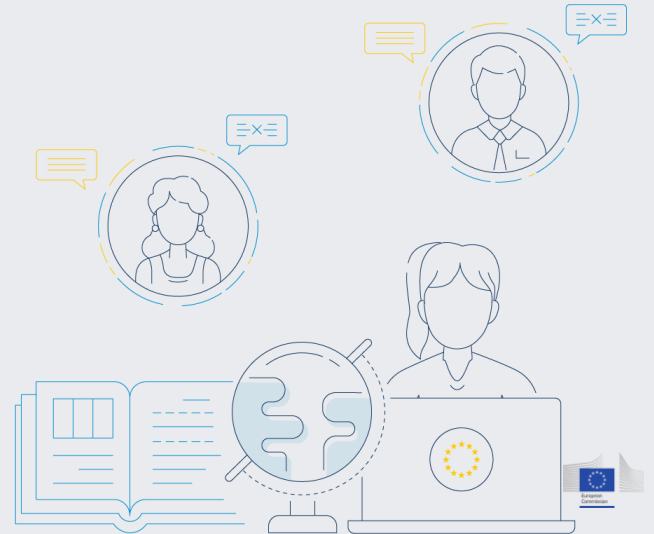
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September 2019



# Agenda

1. Brief introduction to TESTA
  - a) Objectives & Mission
  - b) A brief history
  - c) Who is connected today ?
    - a) Multiple communities of interests
    - b) Current Eurodomain Clients / Profiles
  - d) Why using TESTA today ?
  - e) Benefits for You
  - f) TESTA Success Stories?
2. Basics on TESTA Eurodomain Network
3. Where to find information over TESTA?



# Brief introduction to TESTA



# Brief introduction - TESTA Objectives & Mission

## TESTA Objectives

The TESTA network born on the initiative the Member States in the context of IDA programme and is now a solution supported by the ISA<sup>2</sup> programme as key and generic interoperability enablers.

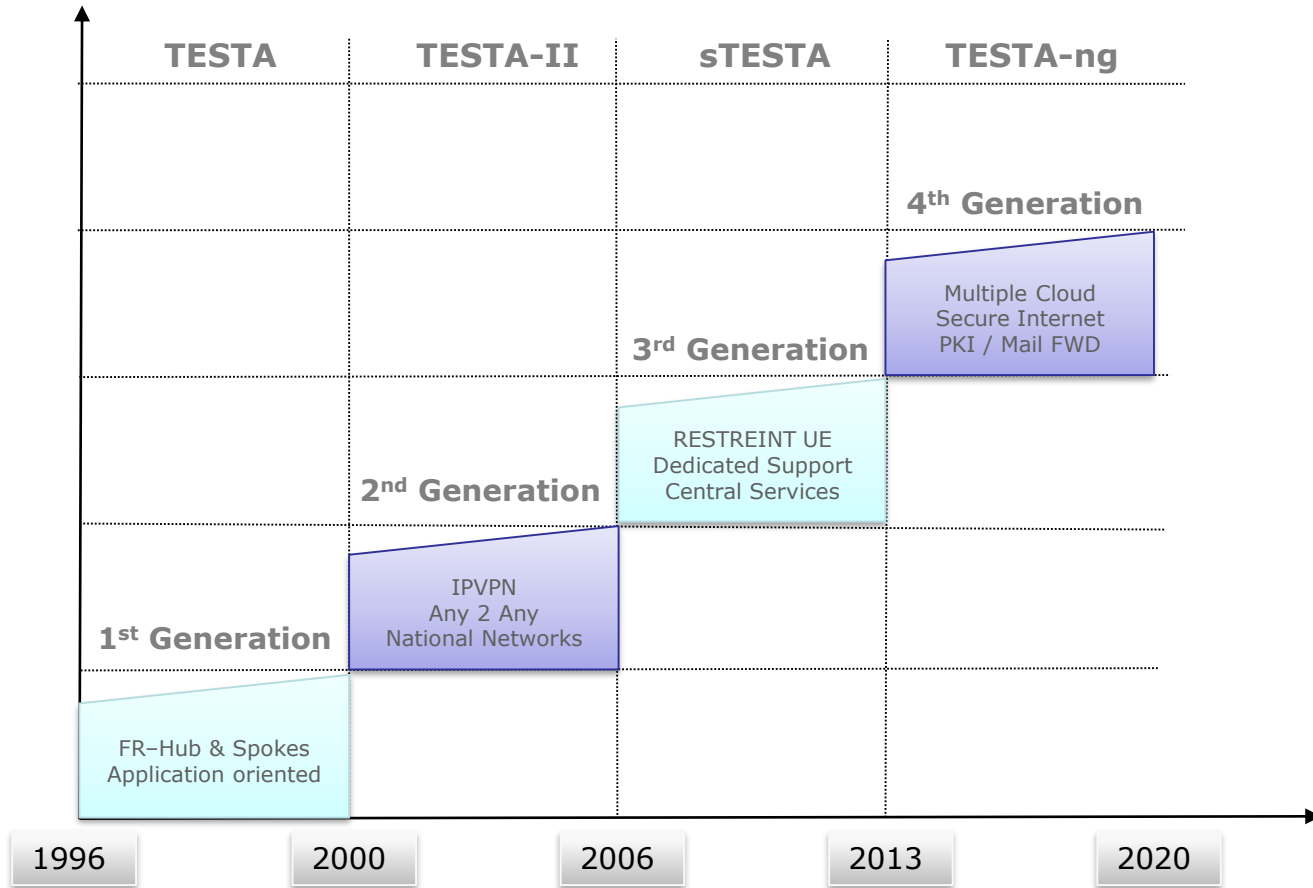
TESTA (**Trans European Services for Telematics between Administrations**) is a communication platform to exchange electronic data between European and Member States administrations in a secure, reliable and efficient way.

The **mission** of TESTA  
is to

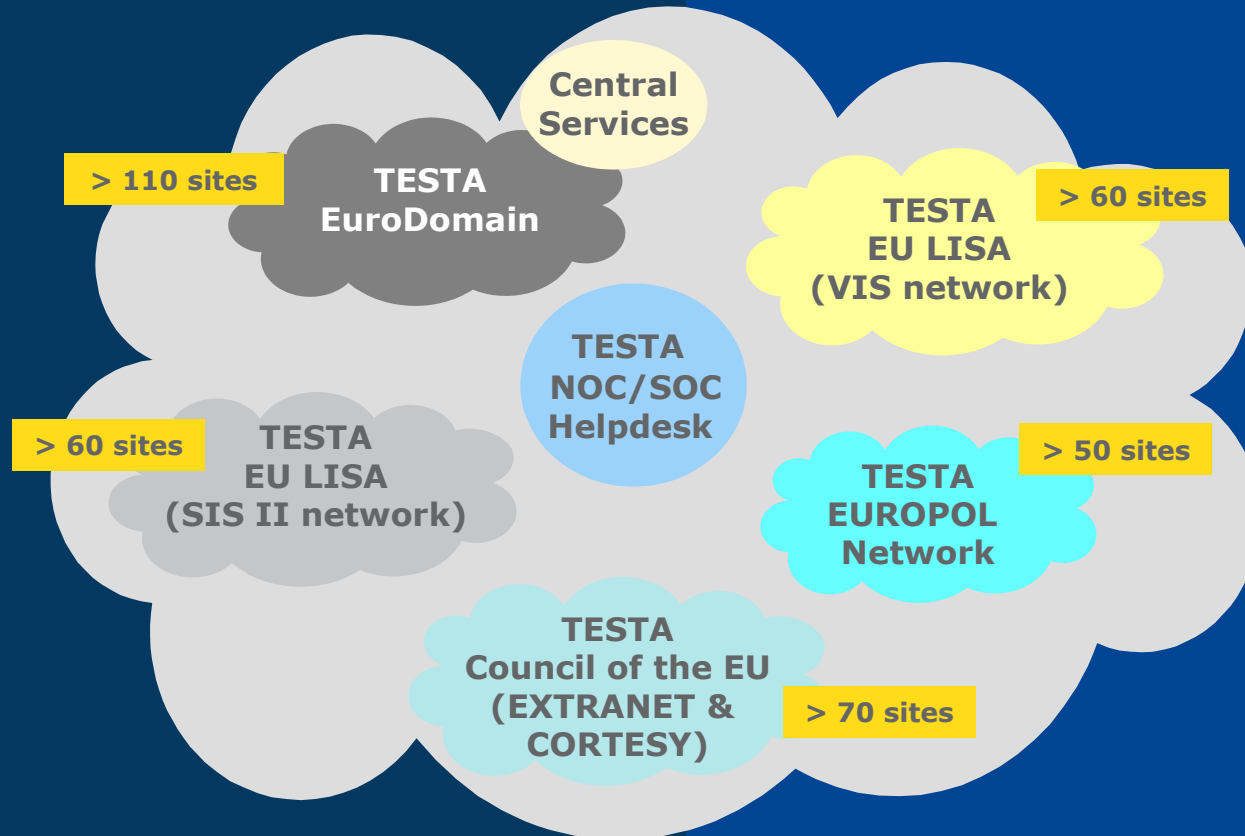
**Facilitate cooperation  
between public  
administrations in various  
policy areas**

**Consolidate existing  
networks by providing a  
secure, reliable and  
flexible communication  
service layer**

# Brief introduction – A brief history...



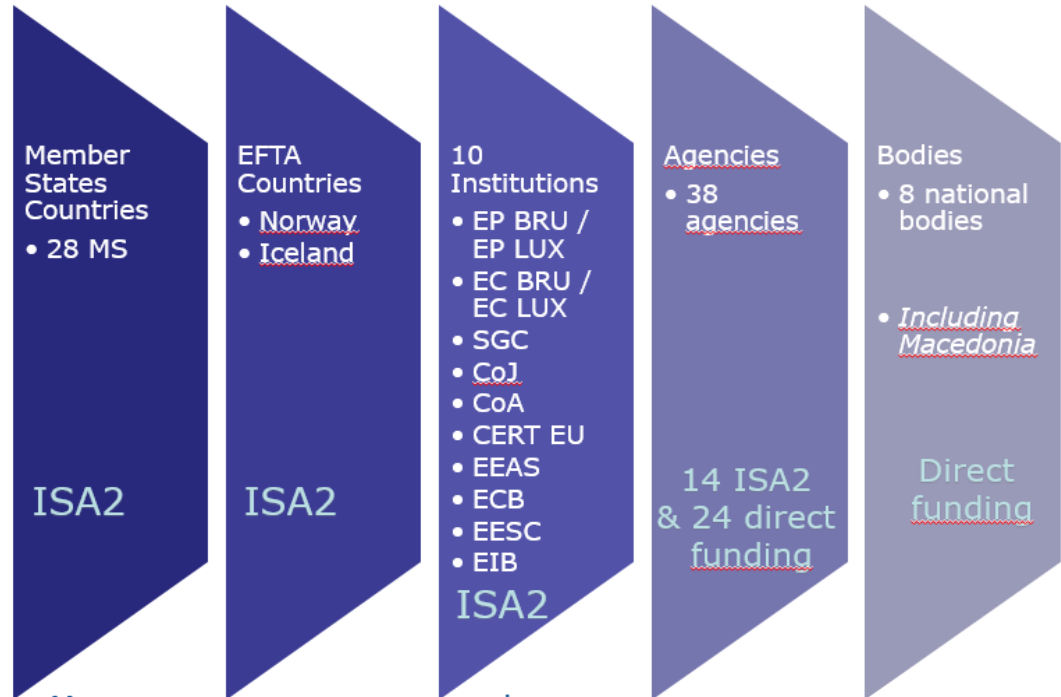
# Brief introduction – Multiple communities of interests



# Brief introduction –

# Current EURODOMAIN Clients / Profiles

TESTA supports many clients...



Montenegro: not yet connected

## Brief introduction – Why using TESTA today?



TESTA is the **TRUSTED** solution endorsed by the Member States.  
*Member States are mutually confident to develop and support digital public services using TESTA.*



TESTA is meant for **sensitive pan-European** information exchange between public authorities requiring guaranteed service levels for network availability, performance and/or security (confidentiality, integrity, authentication, availability).



TESTA allows **multi domain policies** cross-border trusted exchange of information between Member States and EU Institutions.



TESTA infrastructure has been built to be subject to a security accreditation process to allow the exchange of EU classified information up to the "RESTREINT UE" level.



# Brief introduction – Benefits for you, as...

Allows the Member States to **work together** more effectively through **effective & better cooperation** between national authorities.

**Facilitates** cross-border and cross-sectoral **cooperation** between public administrations in **various policy domains** and in the context of **non-Community projects**.

Creates interoperability at the EU level through shared **generic solutions** and **consolidates** existing parallel networks by providing a secure, reliable and flexible building block.

Offers **significant reduction in complexity** in terms of setup, infrastructure and service management for the Member States.

**Guarantees the same overall service level** between all administrations thanks to the mandatory signature of a **Memorandum of Understanding (MoU)** with the Commission DIGIT.

Offers a contractual advantage as contractual arrangements are **centrally regulated by the Commission** which manages TESTA Framework Contract.

A public authority

## A user you have access to:

a **dedicated and private infrastructure – separated from the Internet**, available to all EU Institutions, EU Agencies and National and European public administrations.

a **proven and mature secured infrastructure** for the exchange of non-classified information or for **highly sensitive data in terms of confidentiality and integrity classification**.

a central **helpdesk** located on the European Union territory that can be reached on a **24/7 basis, 365 days** a year via phone, mail and web portal and offering a dedicated service approach, with personalised communication, handling incident and reporting.

project management and service management facilitating a **quicker go-to-market** as no need to build know-how with teams.

## Brief introduction – IS/Applications using TESTA Eurodomain today

**> 120 policies projects  
& services**

26 Applications  
in various EU  
policy domains  
mostly  
supporting  
exchanges  
between all EU  
MS

9 Services at  
EU Member  
State level

90 Services  
for  
European  
Bodies

# Brief introduction – TESTA EuroDomain is contributing the Union's high political priorities ...

## 1. Justice and fundamental rights by providing secured and reliable communication infrastructure to information systems in the context of Fight against organised crime:

- ✓ European Criminal Records Information Systems (**ECRIS**),
- ✓ Cross border Police Cooperation combating terrorism and cross border crime (**Prüm**),
- ✓ System of Control of Explosives for the Prevention and Fights against the terrorism (**SCEPYLT**).

## 2. Migration by providing secured and reliable communication infrastructure to information systems in the context of Asylum:

- ✓ **EURODAC / DUBLINET** for the comparison of finger Prints of asylum applications.

## 3. The Internal Market by providing secured and reliable communication infrastructure to information systems in the context of:

- ✓ Money laundering (Financial Intelligence Network - **FIUNET**),
- ✓ Free movement of people by supporting the electronic exchange of social security Information (**EESSI**).

# Brief introduction – Eurodomain Success Stories

## ECRIS: European Criminal Record Information System

WHAT OUR USERS SAY

### TESTA

A solution by ISA<sup>2</sup> Programme

"The European Criminal Record Information System (ECRIS) was established in 2012 to facilitate the exchange of information on criminal records throughout the European Union. It enables the electronic interconnections between EU countries and puts rules into place to ensure that information on convictions contained in the national criminal records systems can be exchanged through an electronic standardised format, in a uniform and speedy way, and within short legal deadlines. Currently all EU countries are connected to the ECRIS and the exchanges reached in 2016 around the 2 million messages over the TESTA network. The ECRIS users are also using the secured TESTA FTP service which was recently migrated to TESTA-next generation."



**Jaime Lopez Loosvelt**  
General Criminal Law Unit,  
DG Justice and Consumers,  
European Commission

## CECIS: Common Emergency Communication and Information System

WHAT OUR USERS SAY

### TESTA

A solution by ISA<sup>2</sup> Programme

"The Common Emergency Communication and Information System (CECIS) has been developed and enhanced by the Commission under the EU Civil Protection Mechanism since 2005. CECIS facilitates communication between the Emergency Response Coordination Centre (ERCC) and the National Authorities, making response to disasters faster and more effective. Its main task is to host a database on potentially available assets for assistance, to handle requests for assistance on the basis of these data, to exchange information and to document all action and message traffic."

"From the beginning, TESTA was selected to ensure the appropriate level of data confidentiality and integrity. The high availability of the TESTA network gives to the CECIS application a very good reliability, in a secure context. This collaboration ensures to our users at EU countries a very good level of service."



**Etienne MARCHAND**  
CECIS Project Manager  
DG ECHO, European Commission

## DUES, Dual Use System

USER TESTIMONIAL

### TESTA

A solution by ISA<sup>2</sup> Programme

"Dual use items are goods and technologies that can be used for both civilian and military applications and/or can contribute to the proliferation of Weapons of Mass Destruction (WMD). The trade of such items is subject to controls to prevent the inherent risks they may represent to international security. The controls derive from international obligations (in particular UN Security Council Resolution 1540, the Chemical Weapons Convention and the Biological Weapons Convention) and are in line with commitments agreed upon in multilateral export control regimes."

The Dual Use System (DUES) offered by the Commission is used by all the Member States in order to share information on Dual Use export transactions and enforce the controls at European level. The information available in the DUES system is highly sensitive, this is why all DUES communications are exchanged over the secured TESTA network thereby ensuring the appropriate level of data confidentiality and integrity."

Thanks to the DUES system and TESTA network, the EU is able to control the export, transit and brokering of dual-use items and are both key instruments in contributing towards international peace and security."



**Jean-Marc REYNDERS**  
Director General for Trade of the European  
Commission, Information Technology and IT  
systems unit (DG TRADE.A4)

WHAT OUR USERS SAY

### CERT-EU - Computer Emergency Response Team for the European Union institutions, bodies and agencies

is a permanent team providing cybersecurity and incident response services to all of its constituents. It cooperates closely with other CERTs in the Member States and beyond as well as with specialised IT security companies.

In order to deliver some of its services, CERT-EU relies on a number of software, hardware and network components. Among these is the private, more secure TESTA network. The network enables constituents having subscribed to full network access to connect to CERT-EU TESTA-NG servers. Moreover, the TESTA Public Key Infrastructure allows CERT-EU to benefit from S/MIME encryption certificates to protect further e-mail exchanges with constituents, peers and partners who are similarly equipped.

For more information, please visit CERT-EU's web site at <http://cert.europa.eu>.



## EUCARIS: European Car & Driving License Information System

WHAT OUR USERS SAY

"EUCARIS, the European Car & Driving License Information System, is a system that enables countries to enable them to share vehicle and driving license information and other important related data. EUCARIS is merely an exchange mechanism that connects the Vehicle and Driving License Registration Authorities in Europe and has no database of its own. It is designed by and for governmental authorities and supports:

- the exchange of vehicle data and the fight against car theft and registration fraud at registration of car-of-the-import;
- the fight against crime and terrorism based on Council Decision 2008/R1530/NA and 2008/R1531/NA;
- the exchange of driving license information within the EU system RESOLVE;
- the exchange of non-holder data for the enforcement of road-safety related traffic offences (CRIS).

Currently all EU and EFTA Member States are connected to EUCARIS and exchange an estimated 50 million messages per year. As from 2007, all data exchange is over the secured TESTA network, guaranteeing a high level of security on top of the S/MIME signing offered by the EUCARIS system, which is essential as sensitive data are exchanged. TESTA has proven to be highly reliable and to deal with and load without any problems. Next steps we consider are the TESTA PKI and DNS services, to further enhance our service level."



**Herman GROOTERS,**  
Manager Operations EUCARIS, on behalf of the participating Vehicle  
Authorities (EUCARIS)

# Basics on TESTA Eurodomain Network

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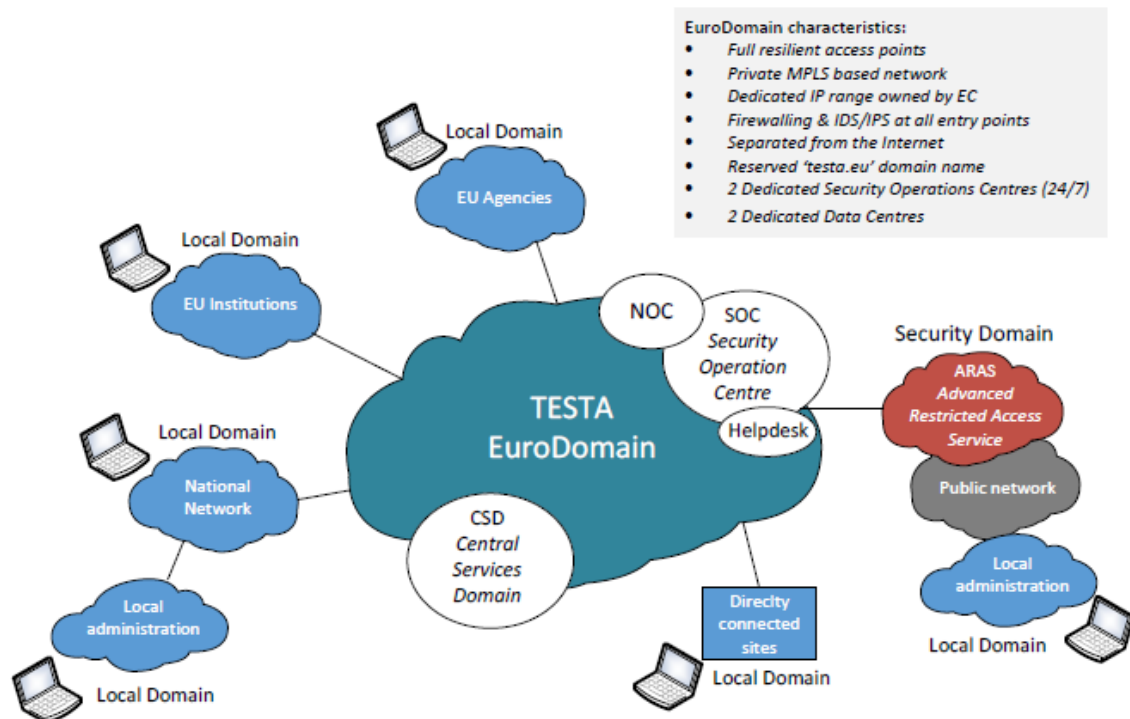
# Basics on TESTA Eurodomain Network - Infrastructure

**Security**  
=  
**End to end TRUST**

By implementing measures & policies

By auditing

By having bilateral & Legal agreements



# Basics on TESTA Eurodomain Network - Components



Composed of 4 main components:



**Primary** Services and Operations Centre in Kosice



**Backup** Services and Operations Centre in Berlin



**Primary** Central Service Domain in Munich



**Secondary** Central Service Domain in Vienna

## Services

**Managed  
Network**

**Support  
Services**

**Mail Relay  
Services**

**DNS  
Services**

**NTP  
Services**

**FTP & FTPS  
Services**

**PKI  
Services**

**Web Portal  
Services**

# Where to find information over TESTA ?

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# Where to find information over TESTA?

## Information Dissemination Points

If you want to know more about the TESTA programme and/or get connected, please contact:

**Mr. Philippe Schultz**  
[Philippe.Schultz@ec.europa.eu](mailto:Philippe.Schultz@ec.europa.eu)

**Mr. Aldo Grech**  
[Aldo.Grech@ec.europa.eu](mailto:Aldo.Grech@ec.europa.eu)

**Ms. Sophie Devleeschouwer**  
[DIGIT-TESTA@ec.europa.eu](mailto:DIGIT-TESTA@ec.europa.eu)

<https://portal.testa.eu>



Thank  
you!