



TOOP

Introducing The Once-Only Principle project



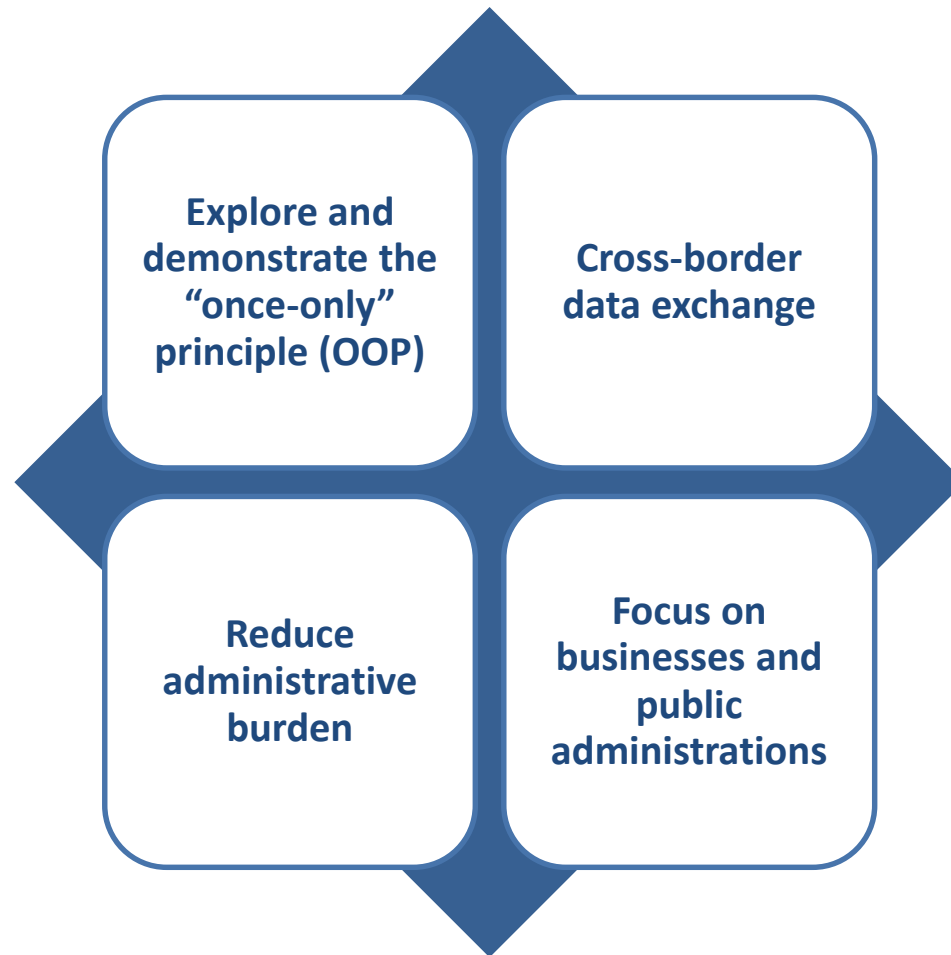
Tallinn e-Governance Conference
SCOOP4C Stakeholder Workshop

Robert Krimmer/ 31 May 2017 / Tallinn

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 737460



Aim





Definition of OOP

Collecting & storing data only once

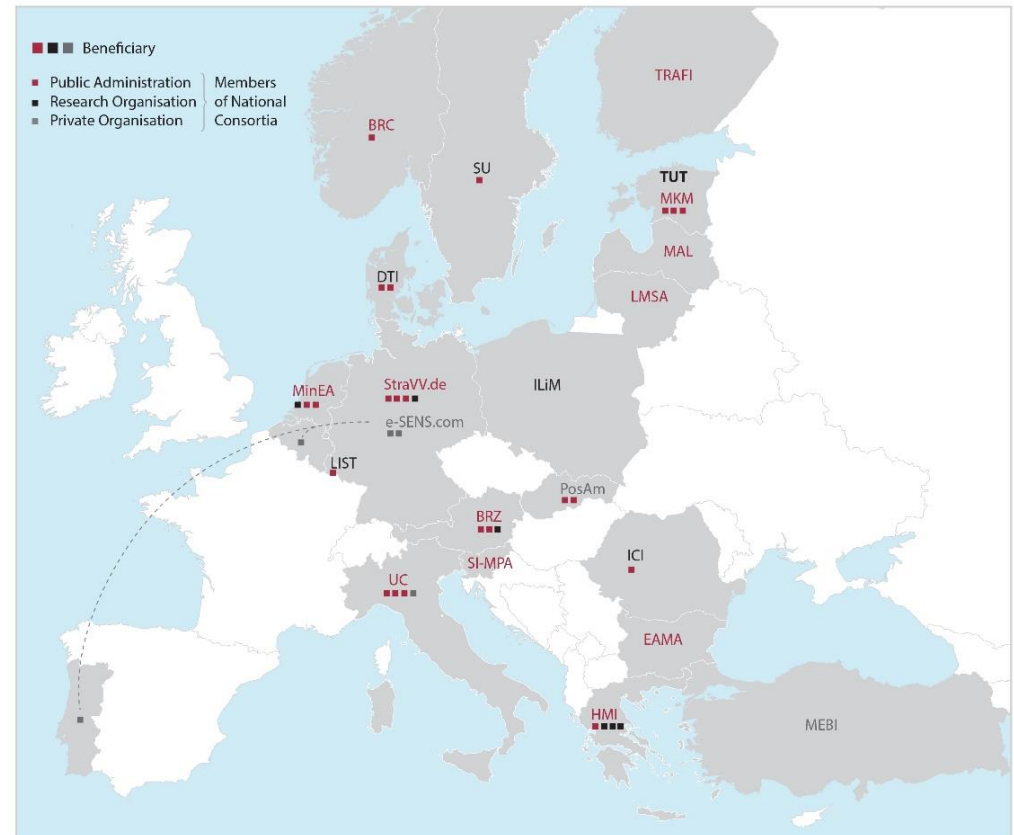
Streamlining processes by:

- Enabling automated data sharing
- Replacing redundant data collection with information requests from original source
- Improving data reliability



Participants

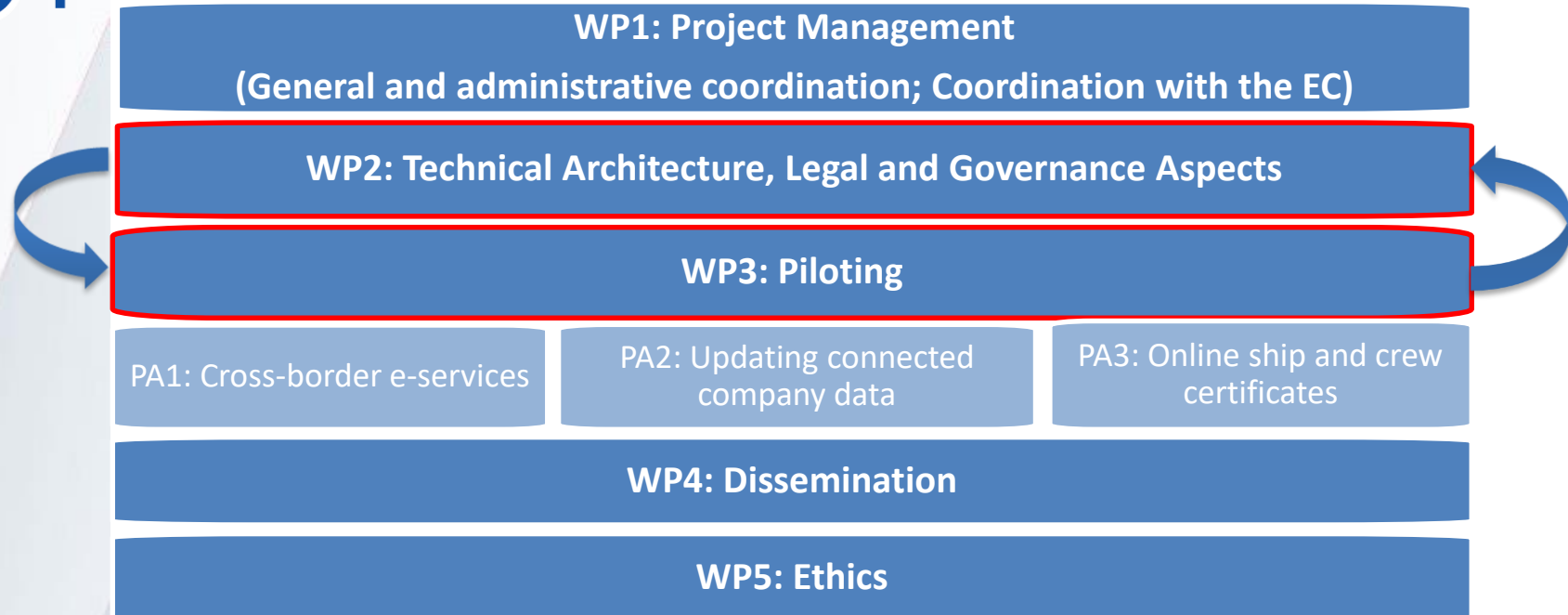
- 21 Beneficiaries from 21 countries
- 50+ Partners
 - Public Administrations
 - Universities
 - Companies



AT	BG	DE	DK	EE	FI	GR	IT	LT	LU	LV	NL
BRZ ■ BKA ■ BMF ■ DUK	EAMA	StraVV.de ■ BVA ■ MRN ■ UKL	DTI ■ DMA ■ DBA	TUT ■ MKM ■ EMA ■ RIA ■ RIK	TRAfi	HMI ■ GS CCP ■ CERTH ■ UA ■ UPRC	UC ■ ANAC ■ UC Europa ■ IC ■ C906	LMSA	LIST ■ CAM	MAL	MinEA ■ TNO ■ KvK ■ Logius
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BRC ■ NMA	ILiM	e-SENS.com ■ Time.lex ■ Vortal	ICI ■ ONRC	SU ■ Bolag-sverket	SI-MPA ■ PosAm ■ MFSR ■ SOSR	MEBI					

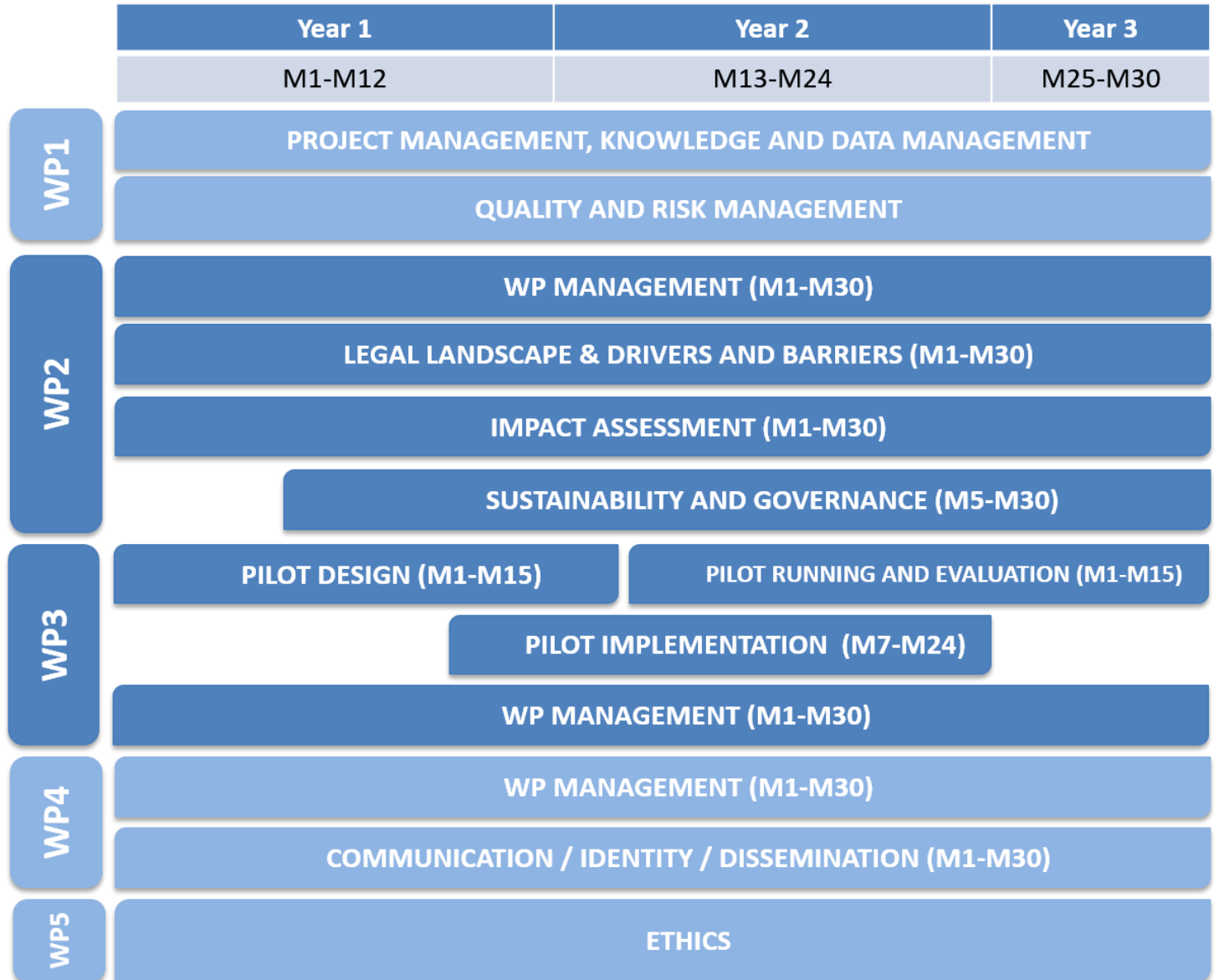


Project Structure





Overall Project Plan



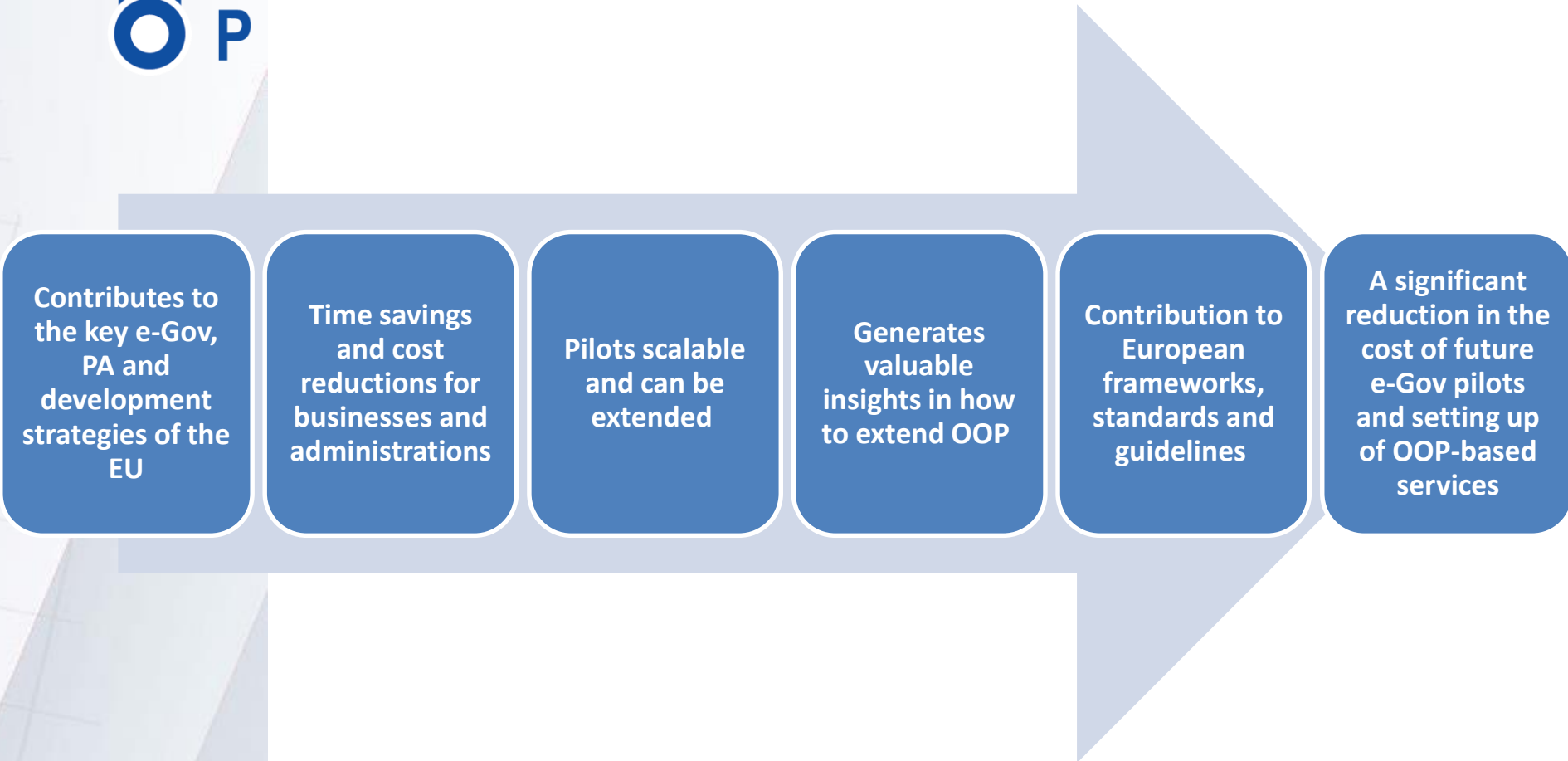


Outcomes

- Demonstrate feasibility of OOP
- Re-use of existing building blocks
- Based on
 - Analysis of legal landscape
 - Identification of drivers & barriers
 - Cost-benefit analysis
 - Evaluation of pilots
- Propose a federated architecture for OOP

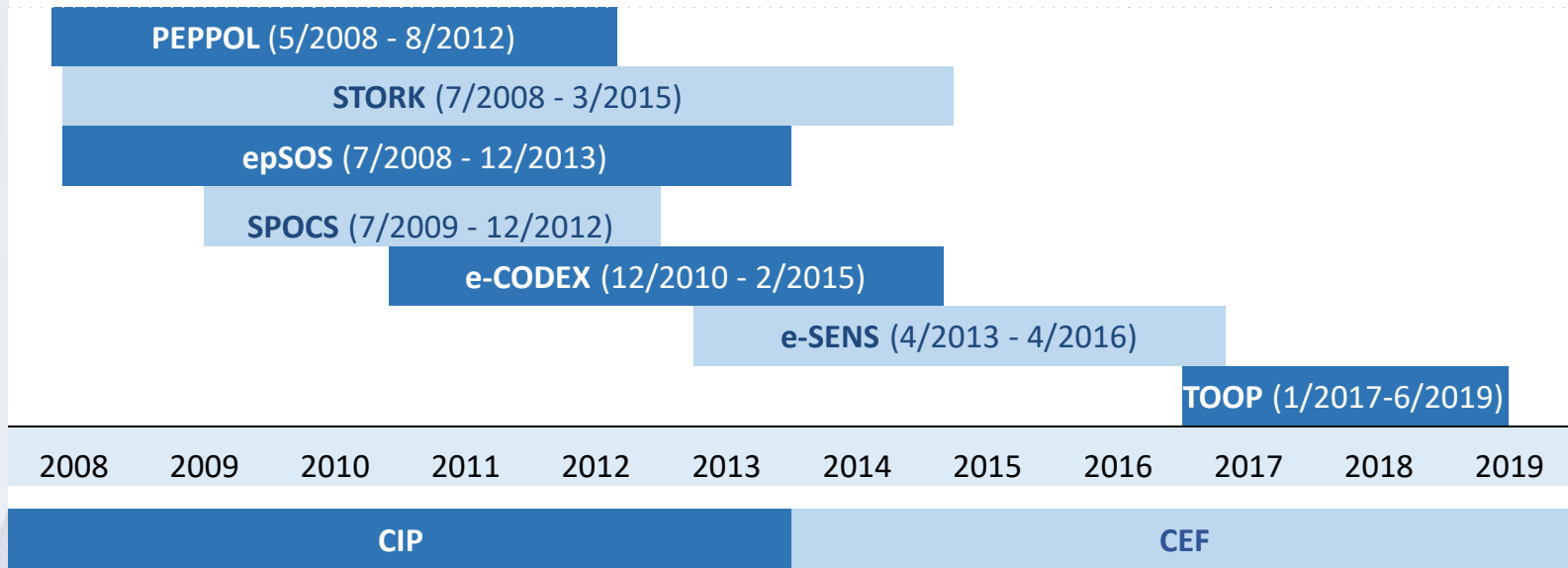


Expected Impact





Large Scale Pilots





Generic Federated Architecture

TOOP aims to develop a **Generic Federated OOP Architecture** in line with existing EU frameworks (EIRA, EIF), based on the CEF DSIs, the building blocks consolidated by the e-SENS project and possibly new building blocks.



Architecture: Main Steps

Defining a **Generic, Federated OOP Architecture**

Proposing a **framework for development** of specific architectures and applications for OOP

Profiling of the common building blocks on specification level

In close cooperation with Pilots and other WP2 tasks.



Piloting

- The mission of WP3 is to establish, implement, operate and deliver **real-life pilots that validate OOP**, as understood by TOOP, and prove its feasibility at the EU-level.
- TOOP pilots are expected to contribute to the pan-European vision of open and collaborative government by interconnecting e-Services of administrations with data provision interfaces of other countries, promoting **cross-border cooperation among authorities** and offering control and transparency opportunities regarding business operations across borders.

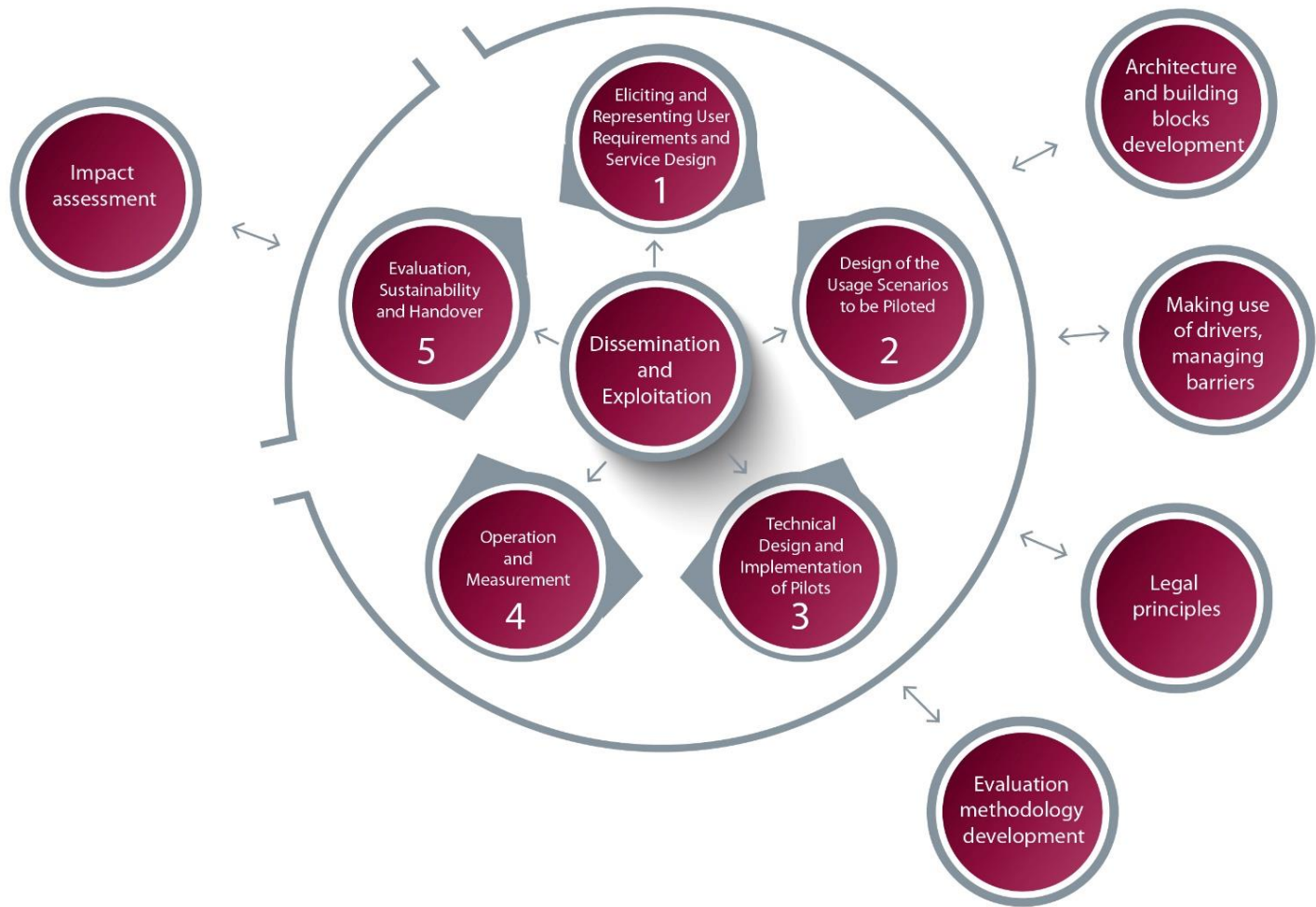


Piloting Objectives

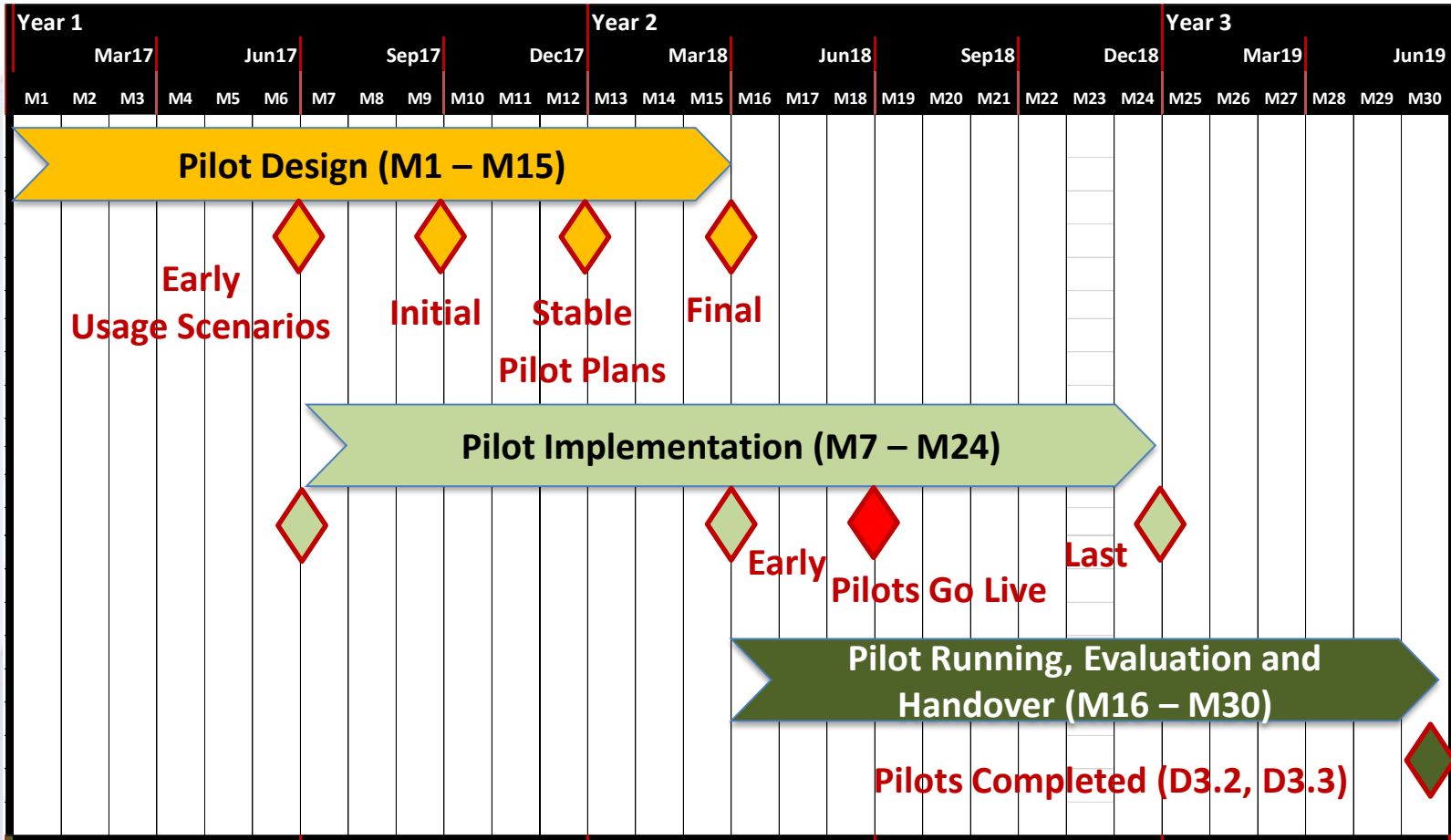
- Design, and implement real end-user services for administrations and businesses that provide real value by reducing administrative burden, speeding up service provision and enabling SMEs to operate across the entire Single Market in the EU;
- Validate the feasibility of a federated OOP architecture and begin building an OOP infrastructure across Europe;
- Interconnect MS systems by building bridges and tunnels between data consumer applications and data sources such as Business Registries, without interfering with national infrastructures and existing interfaces;
- Link existing services and enable the creation of new ones, following an agile, user-driven approach and avoiding duplication or overlap with national or European initiatives established or emerging.



Agile Pilot-life-cycle Approach



Piloting Timeline





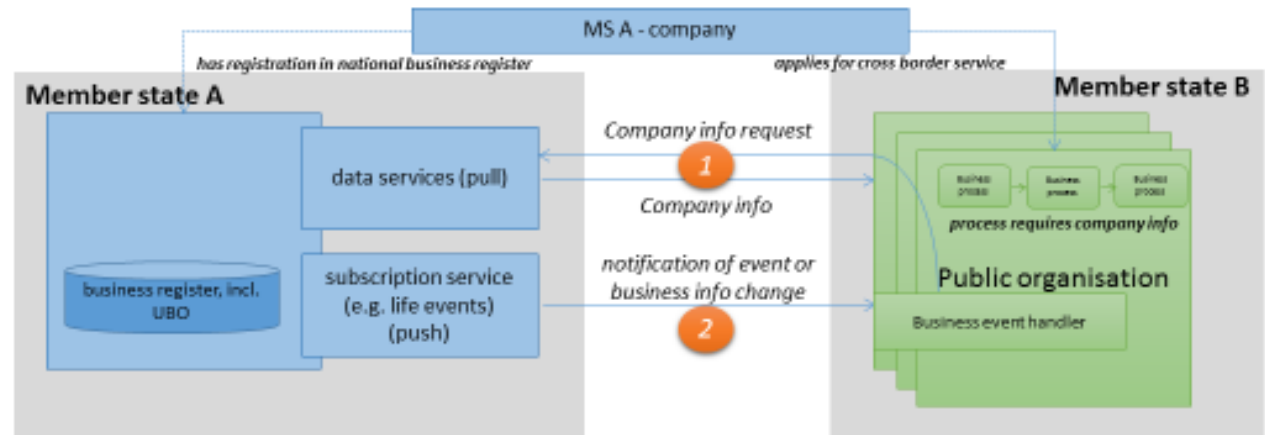
T O O P Pilot Area 1: Cross-border e-Services for Business Mobility

P **Indicative scenarios:**

- Participation in public procurement procedures cross-border
- Extending business presence cross-border
- Administrations checking the mandates of business representatives
- Standard Business Reporting

Pilot Area 2:

Updating Connected Company Data Pilot



Interaction concepts:

1

- Public organisation queries foreign business register for a company that applies for a service
- Business register provides company information directly to the public organisation

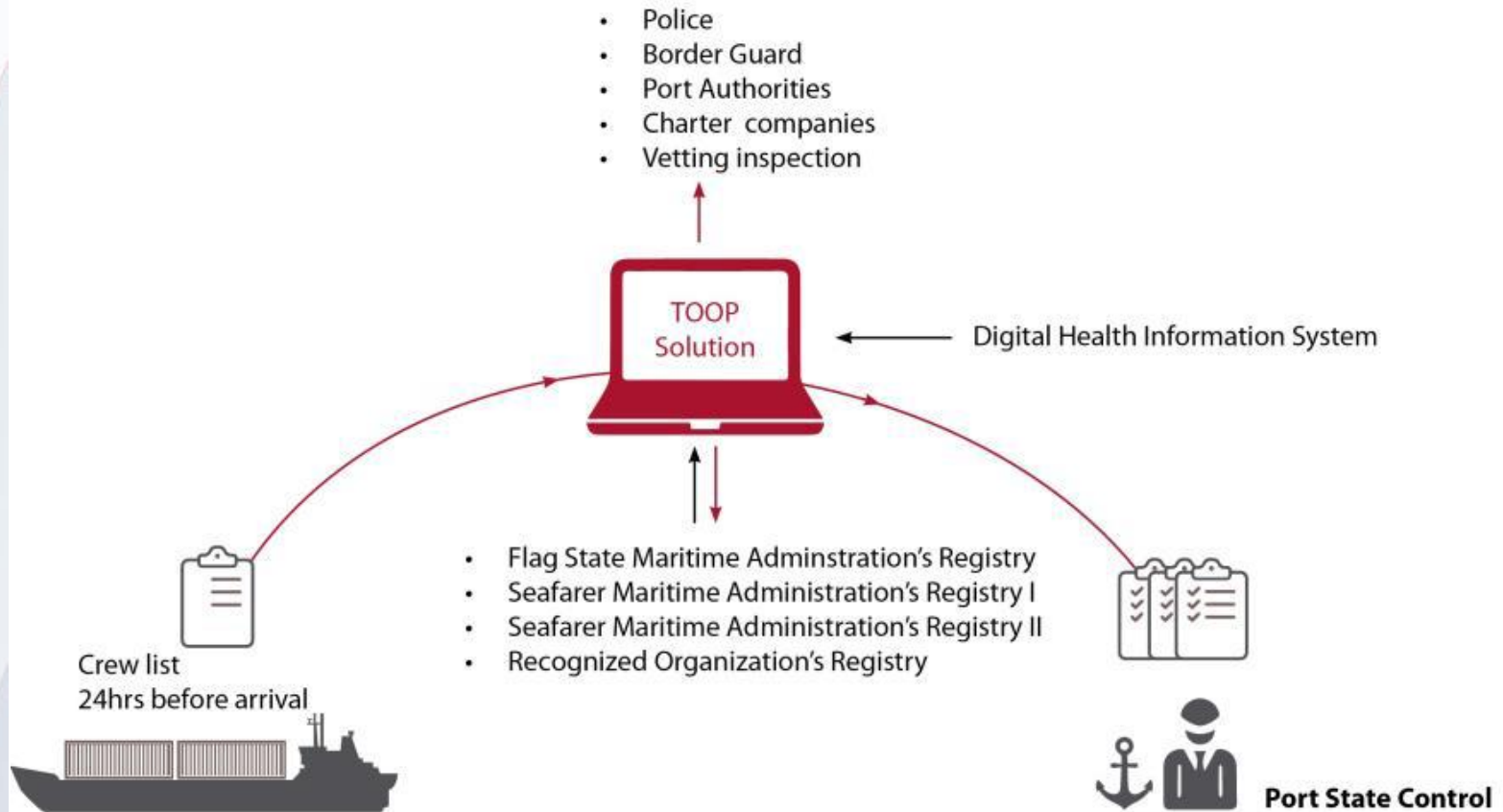
2

- Public organisation subscribes to certain 'events' at the foreign business register, possibly for specific companies.
- The foreign business register notifies the service provider in case of occurrence of such an event.
- The public organisation may query the business register via concept [1] to retrieve updated company information.



Pilot Area 3:

Online Ship and Crew Certificates Pilot





Pilot Area 3: Added Value

- Always authentic certificate data
- Reduce the workload of Master/crew
- Reduce the PSC inspection time o/b
- Falsification virtually impossible
- Certificates's instant revoking
- Certificate's instant availability
- Automatic rules for inspection
- Needed for unmanned ships
- Apps market

INCREASED SAFETY

OPEN DATA



At a Glance

- Project start: 1 January 2017
- Project Coordinator: Tallinn University of Technology, Estonia
- Duration: 30 months
- Project budget: 8 mln €
- EU financing: 100%
- Programme: European Union's Horizon 2020 research and innovation programme under grant agreement No 737460



**Thank you!
Questions?**



**The
Once
Only
Principle**

**Visit TOOP: toop.eu
Contact: Robert.Krimmer@ttu.ee**