TOOP
The Once-Only
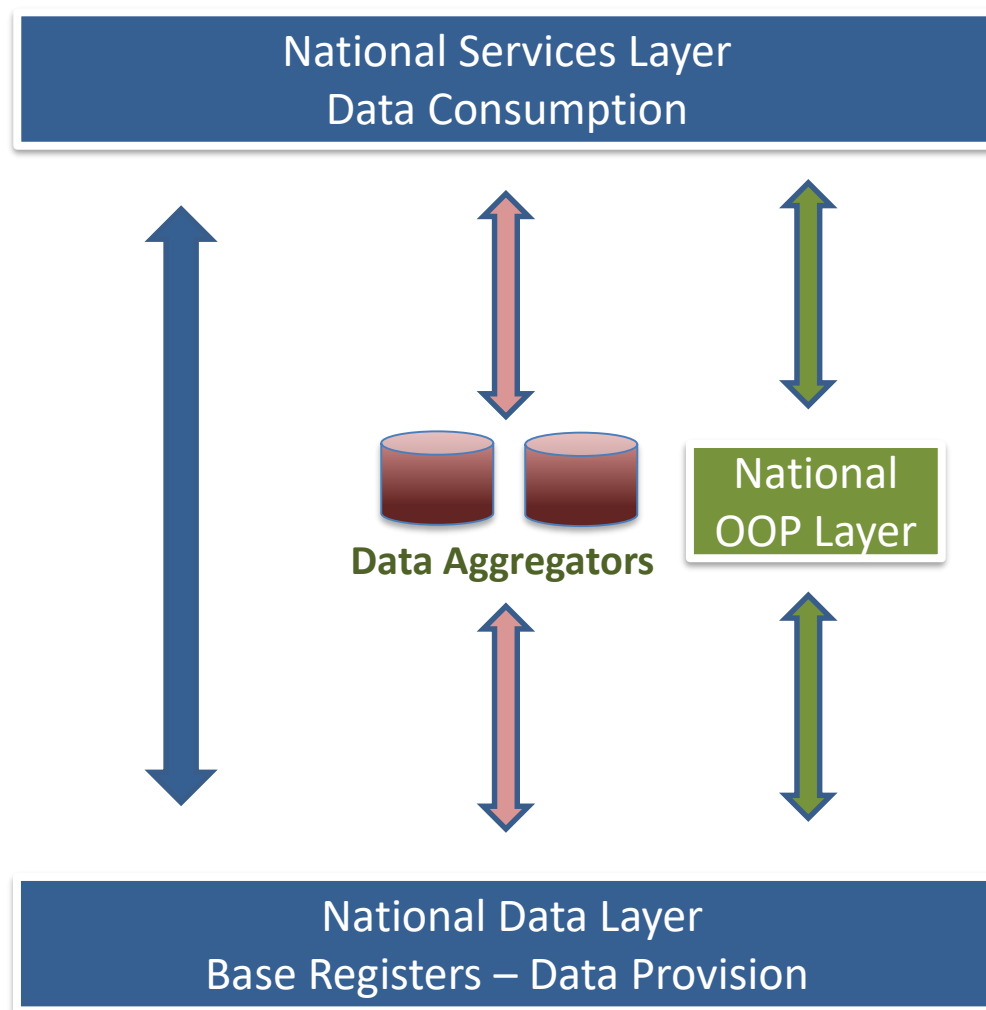**Principle Project**

Overview of
TOOP Pilots

Once-Only workshop
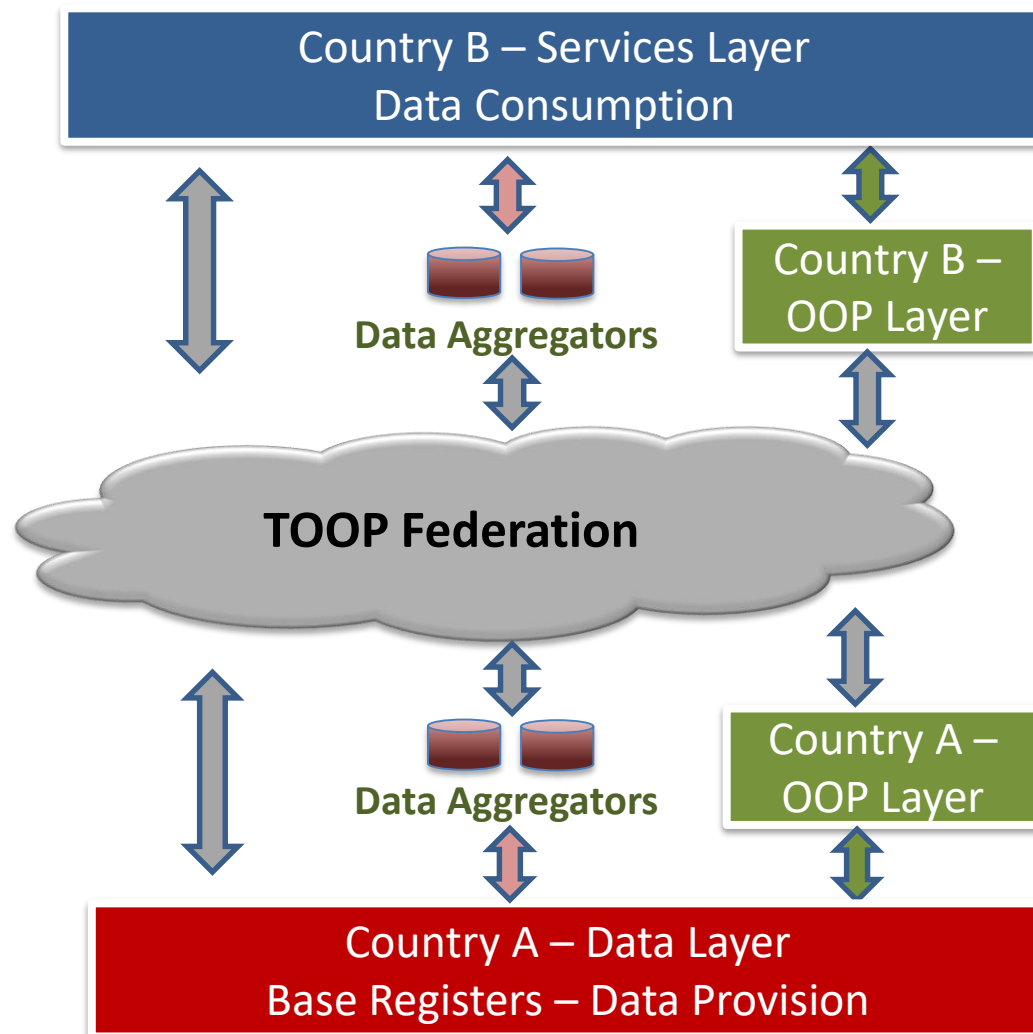
Tallinn, 31.05.2017

Lefteris Leontaridis, WP3M

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THE TOOP PILOTING LANDSCAPE

The national OOP case

National Services Layer
Data Consumption

Data Aggregators

National
OOP Layer

National Data Layer
Base Registers – Data Provision

The cross-border OOP case (simplified)

Country B – Services Layer
Data Consumption

Data Aggregators

Country B – OOP Layer

TOOP Federation

Data Aggregators

Country A – OOP Layer

Country A – Data Layer
Base Registers – Data Provision

How TOOP Pilots fit into the big picture

BUSINESS REGISTRIES AS DATA CONSUMERS

Any eService As Data Consumer

National Data Aggregators

DOMAIN-SPECIFIC DATA CONSUMERS

DOMAIN FEDERATION (Maritime, eProc, etc)

National OOP Layer

TOOP Federation of Federations

BRIS (EBR)

National OOP Layer

DOMAIN-SPECIFIC DATA PROVIDERS /AGGREGATORS

GENERAL-PURPOSE DATA SOURCES

National Data Aggregators

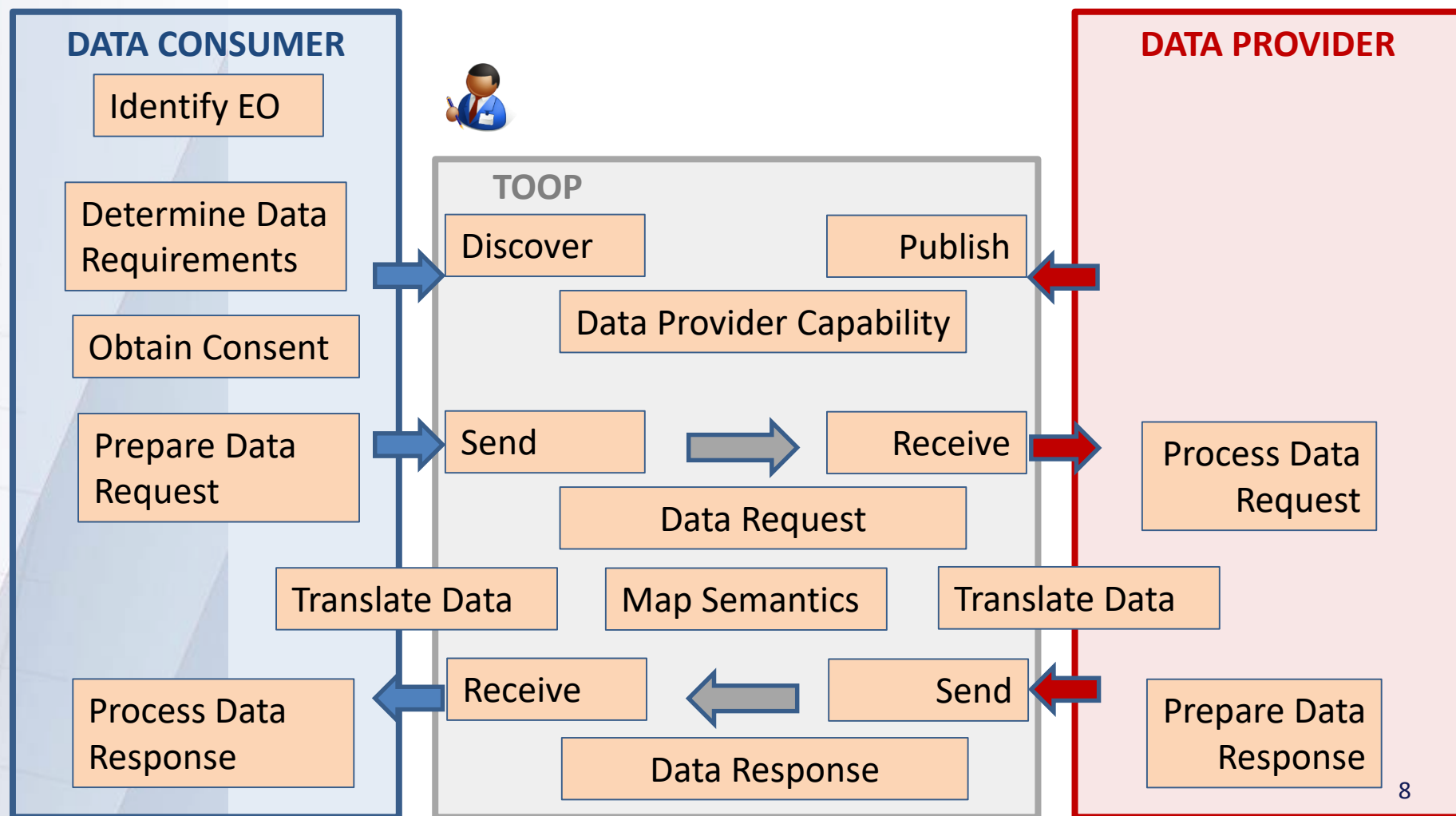**BUSINESS REGISTRIES AS DATA PROVIDERS**
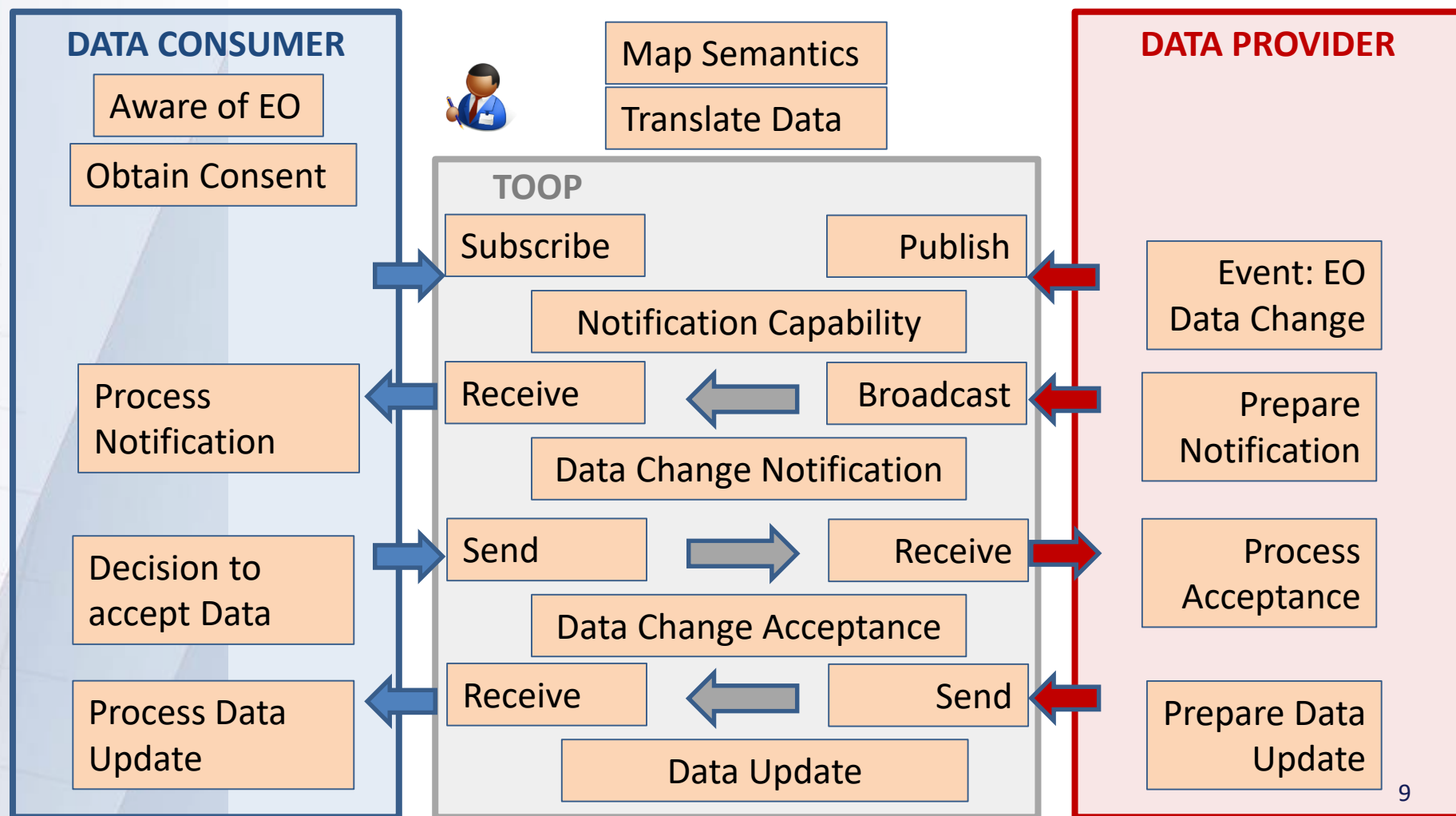
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SCENARIOS AND USE CASES

The TOOP Pilot Areas

- Cross-border eServices for Business Mobility
  - eProcurement: Automatic retrieval of EO qualification evidences
  - Business Licenses/Registration in another country
  - Retrieving Mandates and selected company data
- Connected Company Data
  - Exchange of Data between Business Registries
  - Providing Business Registry Data to eGovernment Services
- Maritime Pilot
  - Online Ship Certificates
  - Online Crew Certificates

Baseline Scenario: Simple pull

DATA CONSUMER

Identify EO

Determine Data Requirements

Obtain Consent

Prepare Data Request

Process Data Response

TOOP

Discover

Data Provider Capability

Send

Data Request

Translate Data

Map Semantics

Translate Data

Receive

Data Response

Publish

Receive

Process Data Request

Send

Prepare Data Response

DATA PROVIDER

Extended Scenario: Notify and push

DATA CONSUMER

- Aware of EO
- Obtain Consent
- Process Notification
- Decision to accept Data
- Process Data Update

Map Semantics

Translate Data

TOOP

- Subscribe
- Publish
- Notification Capability
- Receive
- Broadcast
- Data Change Notification
- Send
- Receive
- Data Change Acceptance
- Receive
- Send
- Data Update

DATA PROVIDER

- Event: EO Data Change
- Prepare Notification
- Process Acceptance
- Prepare Data Update

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Re-use and enhance existing cross-border EU infrastructure

DATA CONSUMER

Identify EO

Request EO Attributes

Request Company Data

TOOP　　　　　　　　**CEF, ISA**

eIDAS infrastructure

Additional Attribute Discovery, Mandates modelling etc.

Semantic mapping (e.g. eCertis)

eDelivery infrastructure

OO profiling of Message Exchange, Dynamic Discovery etcetc.

DATA PROVIDER

Provide EO Attributes

Provide Company Data

Thank you! Questions?

Visit TOOP: tooop.eu