



# **OP Public Procurement Vision SIMAP2-SPA**

## **2017-2022**

Unit C2, Publications Office - 9 Oct 2018 CS

# Content

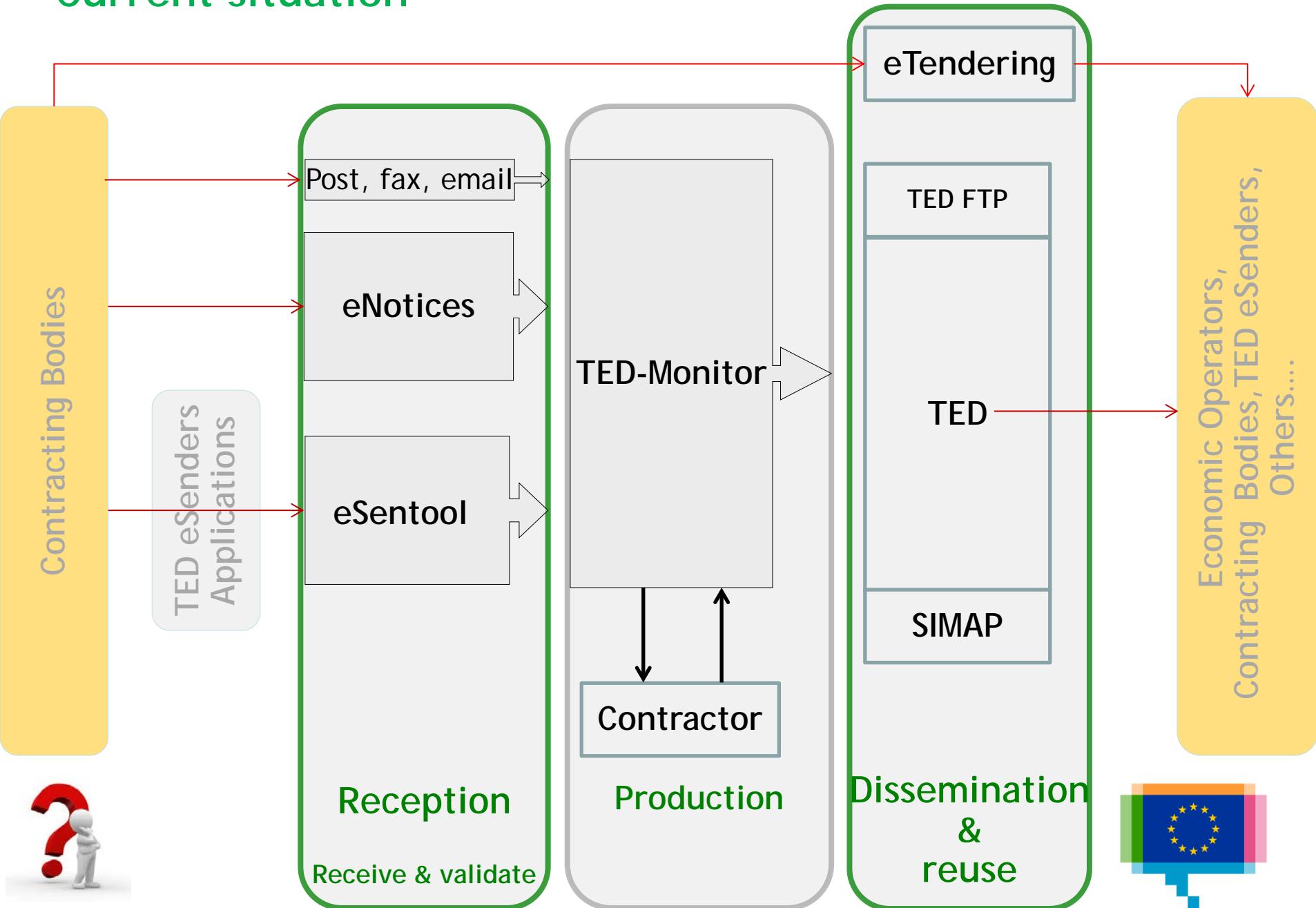
- Refresh from last year
- What has been done since then



Vision

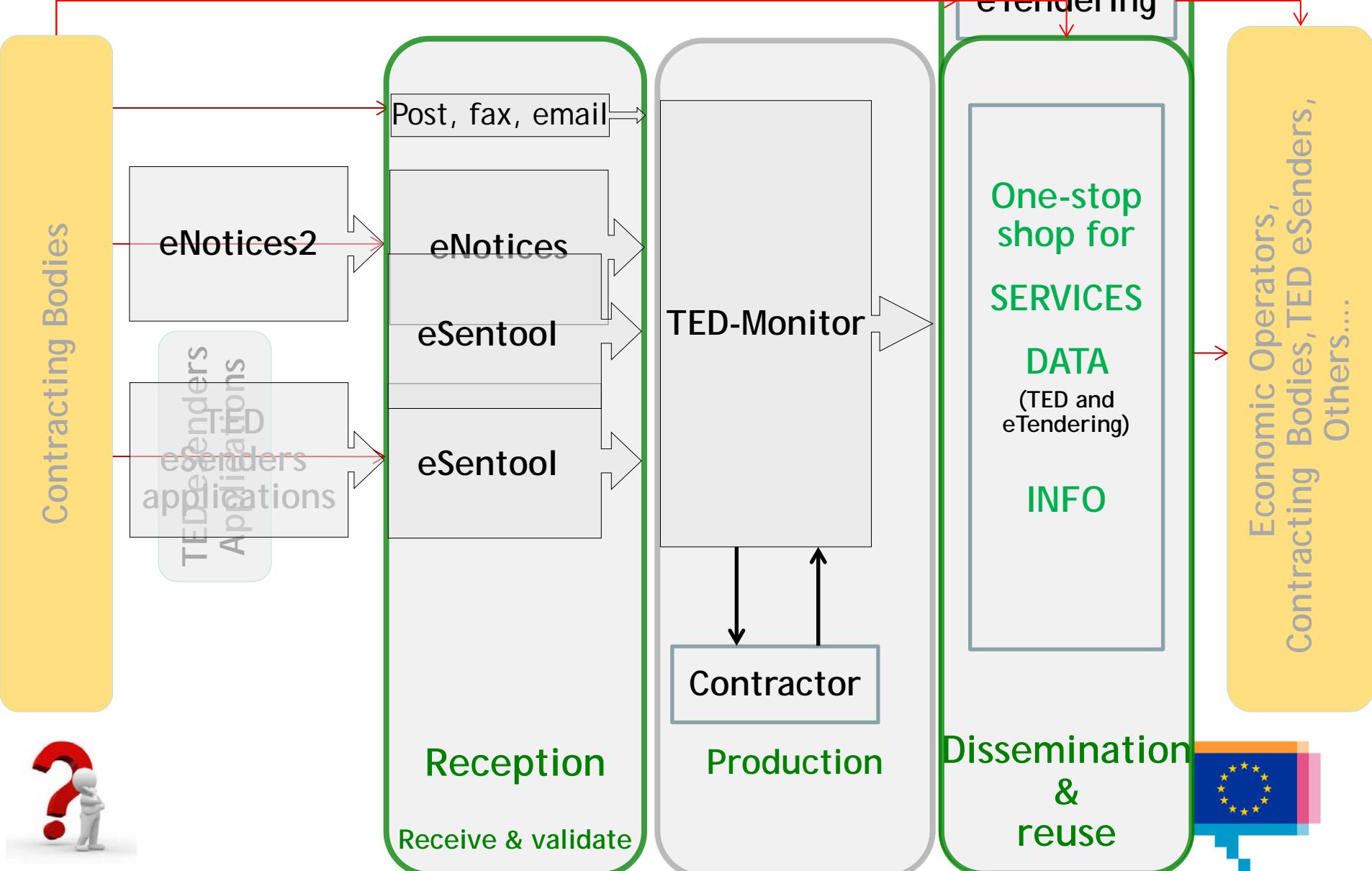


# Current situation



# Vision

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# Vision

1. Public Procurement Single Point of Access  
(one-stop-shop)
2. Data Quality Management
3. Interoperability
4. Agile & Robust Services



# 1. Public Procurement Single Point of Access (1/2)<sup>7</sup>

Create a one-stop-shop for

a. Publishing procurement data

- Submit, modify, cancel, follow-up, import,...
- Main audience: Contracting bodies, eSenders

b. Consulting procurement data

- Search, consult, reuse, report
- Main audience: Economic operators, Public stakeholders

c. Information on procurement of EU institutions

- Publish or link
- Main audience: Economic operators, Public stakeholders





# 1. One-stop-shop for access to procurement data (2/2)

## ■ Current status of SIMAP2-SPA

- Specifications are in progress
  - ~300 requirements drafted, under review
  - Mockups and navigation prototype developed, under tests
- Launch of Call for Tender 1st quarter 2019
- Development start end 2019
- Expected implementation 2022



## 2. Better quality data (1/2)

### ■ Data should be received in OP in structured form

- Avoid manual processing (costly)
- Some data still sent by email, post
- Some data still sent using non-standard forms

Decreasing (in pct)

### ■ Data should be sent by authorised bodies

- Lack of authentication of authors

16 on 33 countries have  
>50% of NatIDs filled  
Don't remove NatIDs when  
sending to OP !

### ■ Data input should be easy

- Currently there are 24 standard forms
- Current OP application for input of data (eNotices) perceived as complicated, not user-friendly

eNotices requirements included in SIMAP2  
To develop as first priority



## 2. Better quality data (2/2)

- Implement an appropriate data structure
  - Define Public Procurement Ontology
  - Use Code Lists

Reviewing Glossary (25%) and Data Model (80%) with Working Group  
OWL v2 available

14 code lists under review +  
38 tables identified for eForms

- Provide for better quality data at source
  - Adopt electronic standard forms : eForms

Following GROW's planning  
OP will propose schema

- Implement appropriate quality control at reception
  - Adopt sound validation rules
  - Implement a unique validation tool

Drafting common validation  
tool specifications



### 3. Standards for interoperability (1/2)

#### ■ Use of standards facilitates exchange of data

- within eProcurement chain
- with contracting authorities/eSenders
- with re-users of TED data
- within OP applications

#### ■ Choose communication standard for data exchange

- UBL vs Proprietary XML ?
- assess existing standards
- assess possibility to use several standards

- Pros and Cons evaluation
- Implementation impacts
- Converters library ?
- Data architectures analysis

#### ■ Implement standard to existing and new services

#### ■ Implement common identifiers

- adopt a semantic identifier (EPPI)
- adopt an ID for machine to machine communication (UUID)

- Notice UUID exist (optional)
- Proposals of EPPI done
- Discussing with GROW



### 3. Standards for interoperability (2/2)

#### ■ Ensure full visibility of services provided by OP

- Currently there is no complete description of all the services provided (e.g.: submit notice; modify notice; export notice)
  - Create a catalogue of services
  - Create a registry of services

Catalogue : published on SIMAP, some in Swagger  
Registry : initiated an API gateway pilot with DIGIT

#### ■ Services should be provided in a standard way

- There should be a unique communication method
  - Currently there is a mix of machine to machine communication, email and telephone
  - Currently machine to machine communication is not always based on the same technology

SIMAP2-SPA requirements are based on Service Oriented, Orchestration and API Gateway principles

#### ■ There should be an overall service governance

- Services cannot be developed on ad hoc basis
  - loss of efficiency, increased maintenance costs

A service governance is adopted  
A list of managers is defined



## 4. Agile & Robust Services

### ■ More efficient change management

- Implementing changes to publication requirements should be simple, fast, and cost-effective
- Currently adaptation to change is cumbersome, time consuming and expensive
  - For OP
  - For contracting bodies/eSenders
  - For policy makers

XML schemas governance adopted  
Preparing TED XML v3 = one schema  
Code lists and rules mgmt simplified

### ■ More efficient publishing workflow

- Reduce or eliminate bottlenecks
  - Make a better use of the time allowed for publishing
- Further automation
  - Less manual interventions <=> Better data quality
- Implement Services in a generic way
- Eliminate or reduce redundancies
- Revise architecture, workflows, procedures

New publication approach :

- Publishing calendar aligned to MS's
- Publish on latest legal deadline
- Possible change of publishing date
- Urgent publication

Principles applied in SIMAP2-SPA specifications



How will the  
vision be  
implemented ?



# Principles

- Customer first!
- All customers are important
- Development of new tools will be done in parallel with current business
- When possible, current tools will be upgraded and not necessarily replaced
- Old tools will only be discontinued after
  - New tools are already implemented
  - Migration of data is finished
  - Parallel runs takes place



When will the  
vision be  
implemented?



# High level plan

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## ■ 2017-2018

- Collect needs, analyse, assess, decide, draft requirements, draft specifications

## ■ 2019

- Launch Call for Tender
- Start Developments (with eNotices2)
- Ontology and Code Lists available for eNotification and eAccess domains

## ■ 2020-2021

- Deployment, installation, testing, entry in production
- Systems integration, data migration, parallel run
- eForms implemented
- eNotices2 in production
- Phasing out

## ■ 2022

- One stop shop is in place, the vision becomes reality



Thank you for your  
attention !  
Questions ?

