



# The PEPPOL project

Pan-European Public Procurement Online

[www.peppol.eu](http://www.peppol.eu)

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# Starting Point

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*Overall, governments are the largest buyer in the European Union, but they are lagging behind major industries in electronic data exchange with suppliers.*

- ▶ Government purchases in the European Union account for around 16 % of GDP, which is equal to 1,800 Billion Euro.
- ▶ Overall capabilities of governments to handle key processes with their suppliers such as tenders, orders, delivery notes, catalogues, invoices, or payments is lagging behind other major industries.
- ▶ The lack of common standards for electronic data exchange is considered an obstacle for companies to participate without barriers in public procurement processes.

# Change Ahead

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EU member states have expressed a political will to change public procurement significantly.

The Manchester ministerial declaration of 24 November 2005 defines the target:

***“By 2010 all public administrations across Europe will have the capability of carrying out 100 % of their procurement electronically and at least 50 % of public procurement above the EU public procurement threshold will be carried out electronically.”***

[EU promotional video](#)

# The PEPPOL project

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*The PEPPOL project is the result of the European Competitiveness and Innovation Programme (CIP) ICT Policy Support Programme (ICTPSP) 2007 Call for Proposals*

- ▶ A Large Scale Pilot focused on **Interoperability** (Pilot A)
  - Key actors: **Member States** or national authorised representatives
  - The outcome should be an **open, common interoperable solution** with results widely disseminated and available to all Member States
  - The EU contribution is up to 50% of costs for **achieving interoperability**
  
- ▶ Coordinated by the Norwegian Agency for Public Management and eGovernment (Difi)
  - 14 beneficiaries from 8 countries
  - Total budget 19,6 M€
  - 8 work packages, <900 person months and 6,6 M€ on sub-contractors
  - Project start up: 1 May 2008, duration 36 months

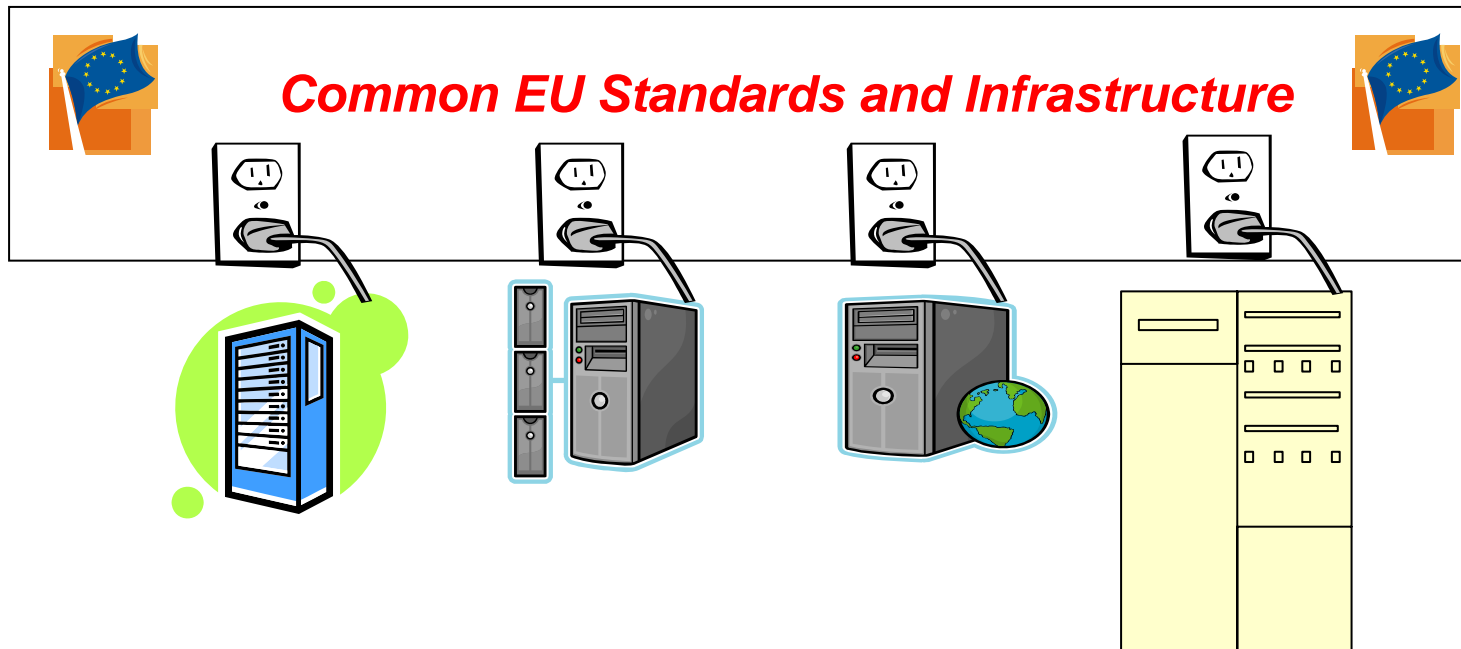
# Vision

*The broader vision is that any company (incl. SMEs) in the EU can communicate electronically with any EU governmental institution for all procurement processes.*

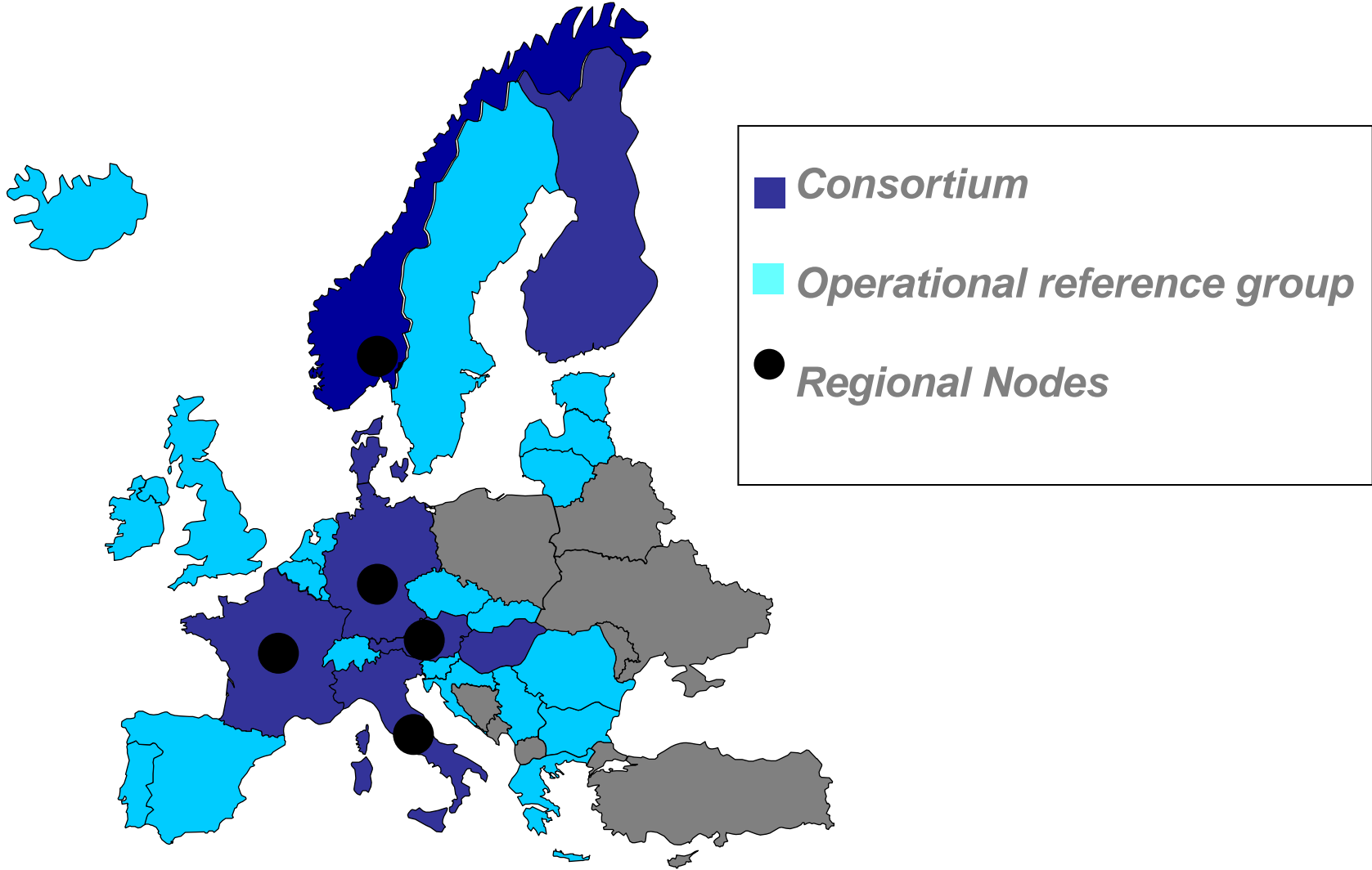


# Strategy

National solutions will not be replaced, instead they will be aligned with common European standards and then linked through a common interoperability infrastructure



# *Consortium and Operational reference Group*



# Project Scope

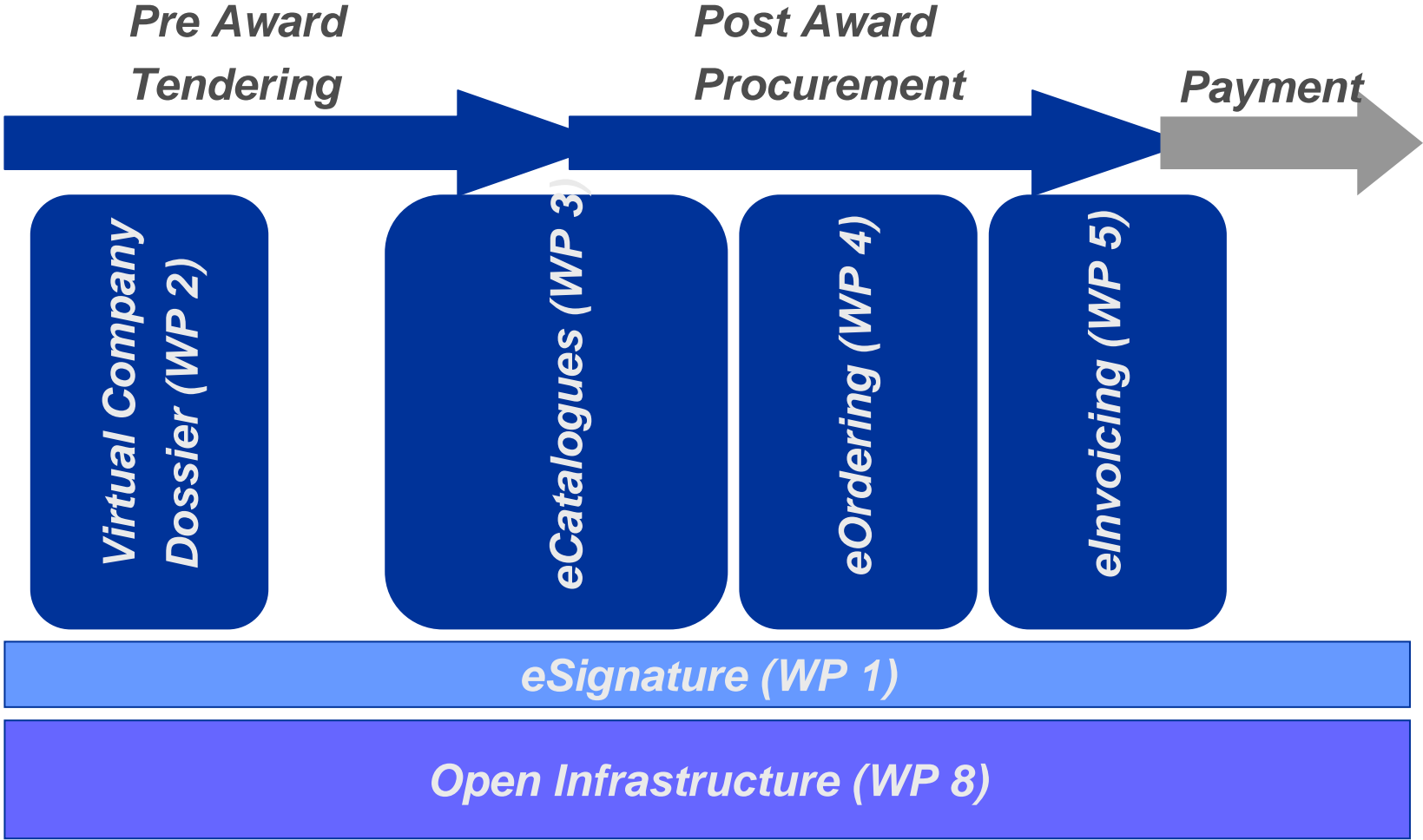
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**The project consists of 8 work packages:**

1. eSignatures (City of Bremen, Germany)
2. Virtual Company Dossier (University of Koblenz, Germany)
3. eCatalogues (CONSIP, Italy)
4. eOrdering (PEPPOL.AT, Austria)
5. eInvoicing (NITA, Denmark)
6. Consortium Management (DIFI, Norway)
7. Awareness, Training and Consensus Building (PEPPOL.AT, Austria)
8. Solutions architecture, design and validation (NITA, Denmark)

# Framework



# High level project plan

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- ▶ Q2/2008 - Q2/2009: Requirements and design
  - Month 1: Detailed planning
  - Month 2 – 6: Analysis and coordination with other WPs and external projects
  - Month 5 – 12: Design, functional specifications
- ▶ Q2/2009 - Q2/2010: Implementation
- ▶ Q2/2010 - Q2/2011: Pilots running
- ▶ 2009 Enlargement of PEPPOL through CIP ICTPSP third call for proposal
  - Additional funding up to **5 M€** of EU contribution
  - **Three additional** relevant administrations
  - Methodology to encompass **all Member States**
  - Strengthen **long term sustainability** plan
  - **Additional** eProcurement cross border cases
- ▶ Proposal deadline 2 June
- ▶ Newcomers to be included from November 2009



# PEPPOL participation possibilities

# General conditions – CIP ICTPSP

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- ▶ The Call for Proposals under the CIP ICTPSP Work Programme is open to legal entities established in the **Member States**
- ▶ Legal entities established in EFTA countries which are members of the **European Economic Area (EEA)**, in **accession or candidate countries or countries of the Western Balkan**, as well as **other third countries**, may **participate** on the basis of and in accordance with the conditions laid down in the relevant agreements
- ▶ The Community may allow participation of entities from **third countries** which are not associated to the Programme (by means of an agreement with the Community) in individual actions **on a case-by-case basis**
  - Such entities will **not receive Community funding**

# Specific possibilities – PEPPOL

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- ▶ Use [www.peppol.eu](http://www.peppol.eu) to keep informed on
  - Events and news from the project
  - Work packages and scope of work
  - Deliverables (reports, specifications, software)
- ▶ Join the Operational Reference Group
  - Bi-annual meetings
  - Get firsthand information about ongoing work and deliverables in progress
  - Participate as observers in work packages of particular interest
- ▶ Join the CEN/ISSS Workshop on Business Interoperability Interfaces in Public Procurement in Europe (CEN/BII)
  - Participate in the development of the future standards for electronic public procurement in Europe
  - The CEN/BII Workshop Agreements (CWA) will be implemented in PEPPOL
- ▶ Implement PEPPOL-deliverables into national solutions
  - PEPPOL deliverables are made available under common creative licenses (reports/specifications) and open source software licenses (EUPL or similar)

# PEPPOL contact points



Please visit [www.peppol.eu](http://www.peppol.eu). Further information can be obtained from the regional contact points below:

*Denmark, Estonia,  
Finland, Ireland, Iceland, Lithuania,  
Latvia, Norway, Sweden, UK  
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*Bulgaria, Cyprus, Italy, Greece, Malta,  
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*Austria, Czech Republic, Hungary,  
Poland, Slovakia, Slovenia, Switzerland,  
Western Balkan and outside Europe  
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(Public Relation Director)  
Email:  
[peter.sonntagbauer@brz.gv.at](mailto:peter.sonntagbauer@brz.gv.at)*

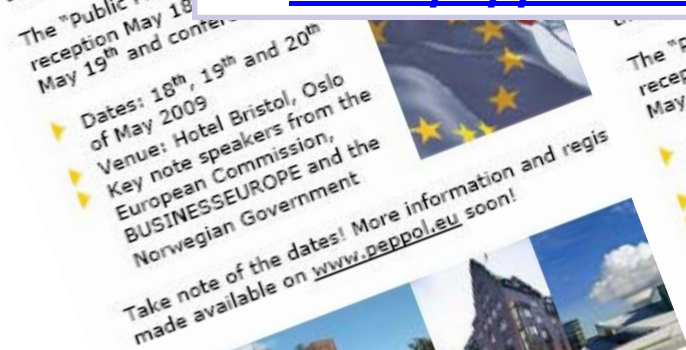
*Germany, Netherlands  
please contact:  
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*France, Belgium, Luxembourg  
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[alain.ducass@adetef.finances.gouv.fr](mailto:alain.ducass@adetef.finances.gouv.fr)*

**“Public Procurement for the Future”**

- ▶ **Dates: 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> of May 2009**
- ▶ **Venue: Thon Hotel Bristol, Oslo**
- ▶ **Key note speakers from the European Commission, BUSINESSEUROPE, Confederation of Norwegian Enterprises and the Norwegian Government**
- ▶ **Full programme available**

[www.peppol.eu/peppol-conference](http://www.peppol.eu/peppol-conference)





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## High level presentation of PEPPOL work packages

# Snapshot overview WP 1 eSignature



The following Beneficiaries participate in WP 1:

- Bremen – Work Package Coordinator
- Difi
- CNIPA
- Adetef

WP 1's current budget is € 2 424 920

WP 1 is allocated 136 Person Months\*

- 49 Public Entity Person Months
- 87 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 1

## Deliverables

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Deliverable Code & Name	Planned delivery date	Actual delivery date	Comments
1.1 Specification of eSignature-solution for E-Procurement/Trustmodel	2009-02-28	2009-02-28	<b>Completed. Internally Approved.</b>
1.2 Transnational verification solution(s) - Prototype Documentation	2010-04-30	2010-04-30	<b>In progress</b>
1.3 Demonstrator and Revised Specification eSignature-solution for E-Procurement/Trustmodel	2010-10-31	2010-10-31	Not started
1.4 Pilot report and Recommendations for European Roll-Out	2011-04-30	2011-04-30	Not started

# Deliverable D1.1 (int. approved)

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Seven parts:

1. Introduction in the project, it's scope and environment
2. Description of the PEPPOL WP1 pilot
3. Description of signature policy requirements to enable cross-border interoperability of e-signatures
4. Definition of architecture and trust issues for validation solutions for e-signatures and eIDs

*WP1 specifies validation services and their interfaces. A validation service must be able to assess and return information related to signature policy adherence, which necessitates a richer interface than OCSP or CRL for revocation checking:*

5. XKMS v2 for eID certificate validation
6. OASIS DSS for verification of entire signed documents
7. Specification of a quality profile for digital signatures that can be used to set requirements to and make assessments of the quality of digital signatures in public e-procurement across borders in Europe

# Snapshot overview WP 2 Virtual Company Dossier

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The following Beneficiaries participate in WP 2:

- UKL – Work Package Coordinator
- PEPPOL.AT
- IC
- Difi
- Adetef

WP 2's current budget is € 2 263 923

WP 2 is allocated 172,2 Person Months\*

- 162,7 Public Entity Person Months
- 9,5 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 2

## Deliverables

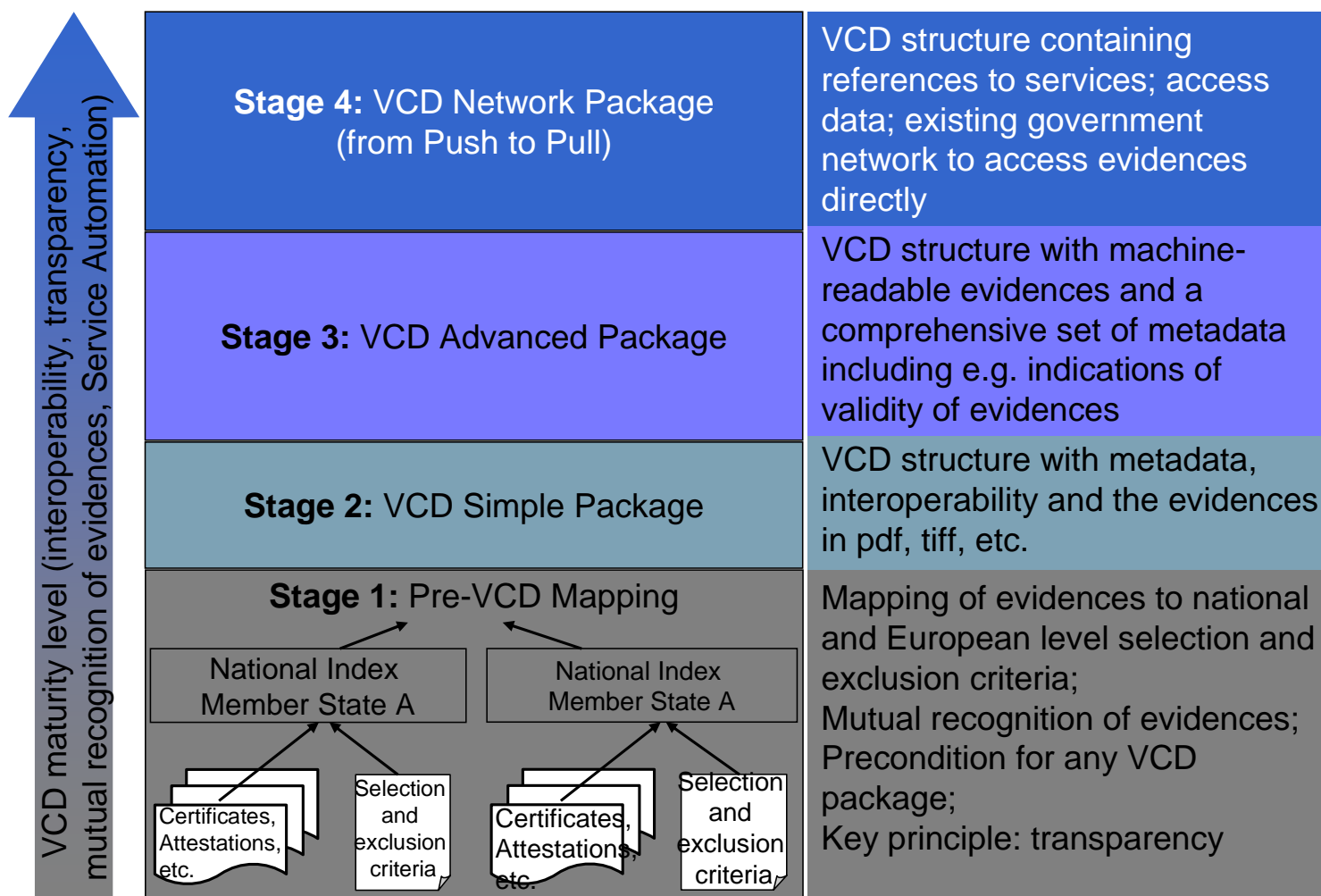
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Deliverable Code & Name	Planned delivery date	Actual delivery date	Comments
2.1 Functional and non-functional requirements specification for the VCD, including critical synthesis, comparison and assessment of national vs. pan-European needs - report	2009-01-31	2009-03-16	<b>Completed. Internally Approved.</b>
2.2 Technical, legal and organisational specification of the VCD, incl. agreement procedure – specification and documentation	2009-10-31	2009-10-31	<b>In progress</b>
2.3 Implementation and piloting of the VCD – pilot application	2010-10-31	2010-10-31	Not started
2.4 Rollout master plan including application experience report, implementation, maintenance & expansion guideline, training material for the pan-European VCD specification	2010-10-31	2010-10-31	Not started

# Deliverable D2.1 (int. approved)

- VCD concept as a four-stage maturity model



# Snapshot overview WP 3 eCatalogue



The following Beneficiaries participate in WP 3:

- |                                     |        |
|-------------------------------------|--------|
| • CONSIP – Work Package Coordinator | Difi   |
| • MEF                               | NITA   |
| • Intercent-ER                      | Bremen |
| • CSI                               | KSZF   |
| • PEPPOL.AT                         | VM     |

WP 3's current budget is € 2 470 216

WP 3 is allocated 167,4 Person Months\*

- 132,7 Public Entity Person Months
- 34,8 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 3

## Deliverables

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Deliverable Code & Name	Planned delivery date	Actual delivery date	Comments
3.1 Functional, Technical, legal and organisational specifications for the development of Building Blocks Software enabling cross-border use of eCatalogues	2009-05-31	2009-05-31	<b>In progress</b>
3.2 Standard eCatalogue format and data structure for pre-award and post-award use (ref. Work of CEN/ISS, WS BII)	2010-04-30	2010-04-30	Not started
3.3 Building Blocks Software enabling cross-border use of eCatalogues (post-pilot release)	2011-04-30	2011-04-30	Not started
3.4 Rollout master plan including application experience report, implementation, maintenance & expansion guideline, training material for the pan-European eCatalogues application	2011-04-30	2011-04-30	Not started

# Deliverable 3.1 (in progress)

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“AS-IS” Activities (Budgeted resources: 15,7 person months)

- Overview of **existing studies and initiatives** on eCatalogues standardisation
- As-is analysis of **existing eCatalogue management systems** of **WP participants**
- Compared study of the **legal frameworks** in the relevant countries
- Study of eProcurement systems’ features in **countries not taking part to the pilot**

“TO-BE” Activities (Budgeted resources: 37,8 person months)

- Design of **use-case scenarios**
- **Preliminary study** of possible solutions to enable interoperability
- Study of existing eProcurement market solutions
- "Quick Win" on eCatalogues
- Drafting of **Functional specifications**
- Drafting of **Tender documentation**
- **Software Provider selection**
- Study of possible evolution towards dynamic purchasing system

“Support” Activities (Budgeted resources: 16,4 person months)

- **Interaction with other work packages**
- **Communication activities** (to SMEs, SMEs associations, PAs, other MSs)
- **General coordination** for the eCatalogue Work package

# Snapshot overview WP 4 eOrder



The following Beneficiaries participate in WP 4:

- PEPPOL.AT – Work Package Coordinator NITA
- DIFI KSZF
- UKL VM
- CONSIP

WP 4's current budget is € 2 469 884

WP 4 is allocated 171,6 Person Months\*

- 131,1 Public Entity Person Months
- 40,5 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 4

## Deliverables

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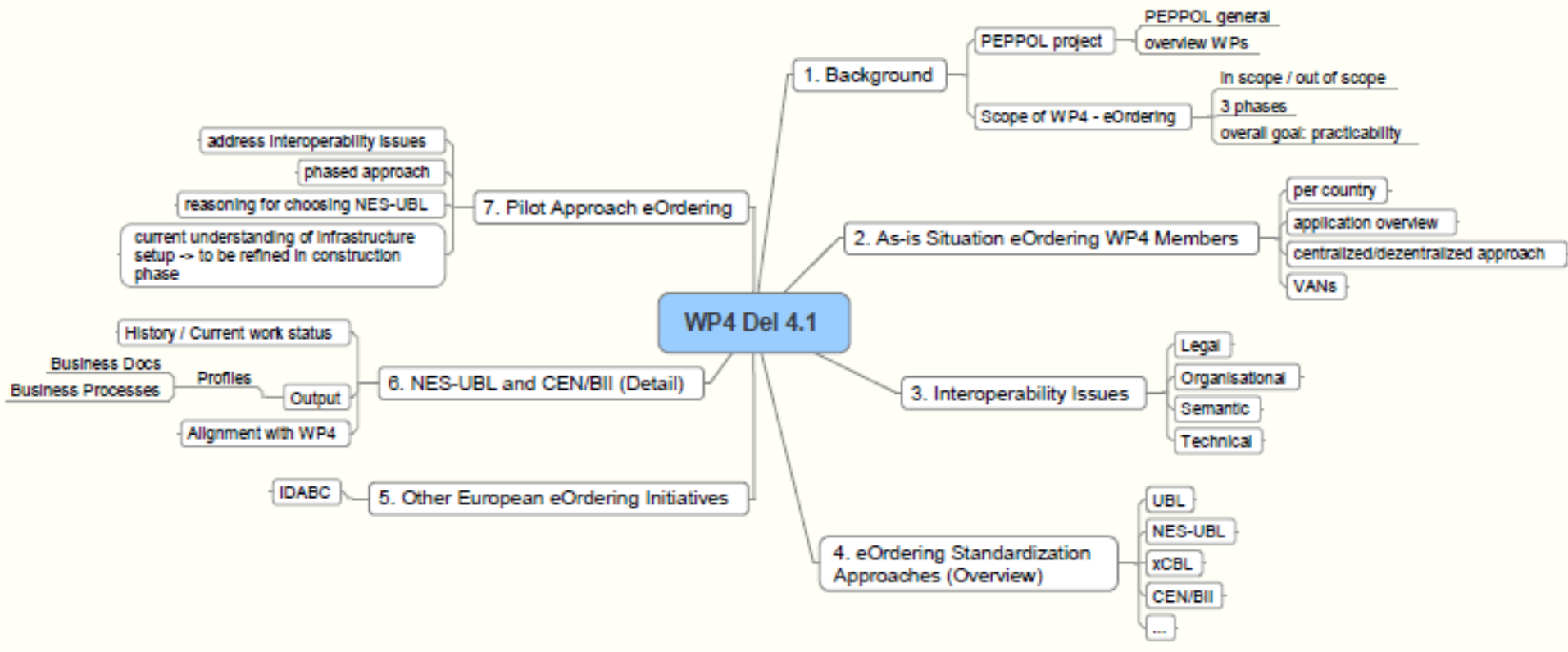


<b>Deliverable Code &amp; Name</b>	<b>Planned delivery date</b>	<b>Actual delivery date</b>	<b>Comments</b>
4.1 Standard Basic eOrdering format and data structure	2009-04-30	2009-04-30	<b>In progress</b>
4.2 Functional specifications for the development of Building Blocks Software enabling cross-border use of eOrdering	2009-10-31	2009-10-31	Not started
4.3 Building Blocks Software enabling cross-border use of eOrdering	2010-04-30	2010-04-30	Not started
4.4 Edited Training manual and Guidelines on Software enabling cross-border use of eOrdering	2011-04-30	2011-04-30	Not started
4.5 Final Report on the eOrdering pilot	2011-04-30	2011-04-30	Not started

# Deliverable D4.1 (in progress)



- Mind map of deliverable outline



# Snapshot overview WP 5 eInvoice

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The following Beneficiaries participate in WP 5:

- NITA – Work Package Coordinator
- VM
- PEPPOL.AT

WP 5's current budget is estimated at € 1 400 287

WP 5 is allocated 90,5 Person Months\*

- 75,5 Public Entity Person Months
- 15 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 5

## Deliverables

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Deliverable Code & Name	Planned delivery date	Actual delivery date	Comments
5.1 Methodologies, measures and indicators for test and evaluation. (With WP 3 and WP 4)	2008-10-31	2009-10-31	<b>Reported delayed – In progress</b>
5.2 eInvoicing specification	2009-04-30	2009-04-30	<b>In progress</b>
5.3 eInvoicing software components	2009-10-31	2009-10-31	<b>In progress</b>
5.4 eInvoicing framework technical specification	2009-12-31	2009-12-31	Not started
5.5 eInvoicing framework software components	2010-04-30	2010-04-30	Not started
5.6 eInvoicing framework pilot and evaluation report	2011-04-30	2011-04-30	Not started

# WP5 approach

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The work package is divided into 3 stages (each stage consisting of Design, Construction and Operational activities):

- Stage 1 - Proof-of-Concept (PoC)

- Solve semantically interoperability issues, with minimal focus on technical and organizational issues
- The aim is to create a foundation for further development by building and testing a PoC

- Stage 2 - Pilot

- Solve semantically (and some organizational) interoperability issues, with minimal focus on technical issues
- Analyse, implement and pilot eInvoicing for an expanded the number of awarding entities.
- Analyse, implement and pilot integrated simple eOrdering and simple eInvoicing

- Stage 3 - Framework

- Support the development of the European eInvoicing Framework (created by European eInvoicing Expert group) by piloting (part of) the framework

- The WP 5 is cooperating with the European Commission e-Invoicing and e-Ordering project for public procurement and follows its solutions and recommendations

- The WP 5 will use the specifications from CEN ISSS WS/BII

- The WP 5 will contribute to and use the European eInvoicing Framework

# Snapshot overview WP 6

## Project Management

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The following Beneficiaries participate in WP 6:

- DIFI – Work Package Coordinator
- All beneficiaries

WP 6's current budget is € 3 176 259<sup>o</sup>

WP 6 is allocated 116,8 Person Months\*

- 75 Public Entity Person Months
- 41,8 Subcontractor Person Months

<sup>o</sup> includes budget set aside for newcomers

\* Person Month = 150 hours

# Snapshot overview WP 6

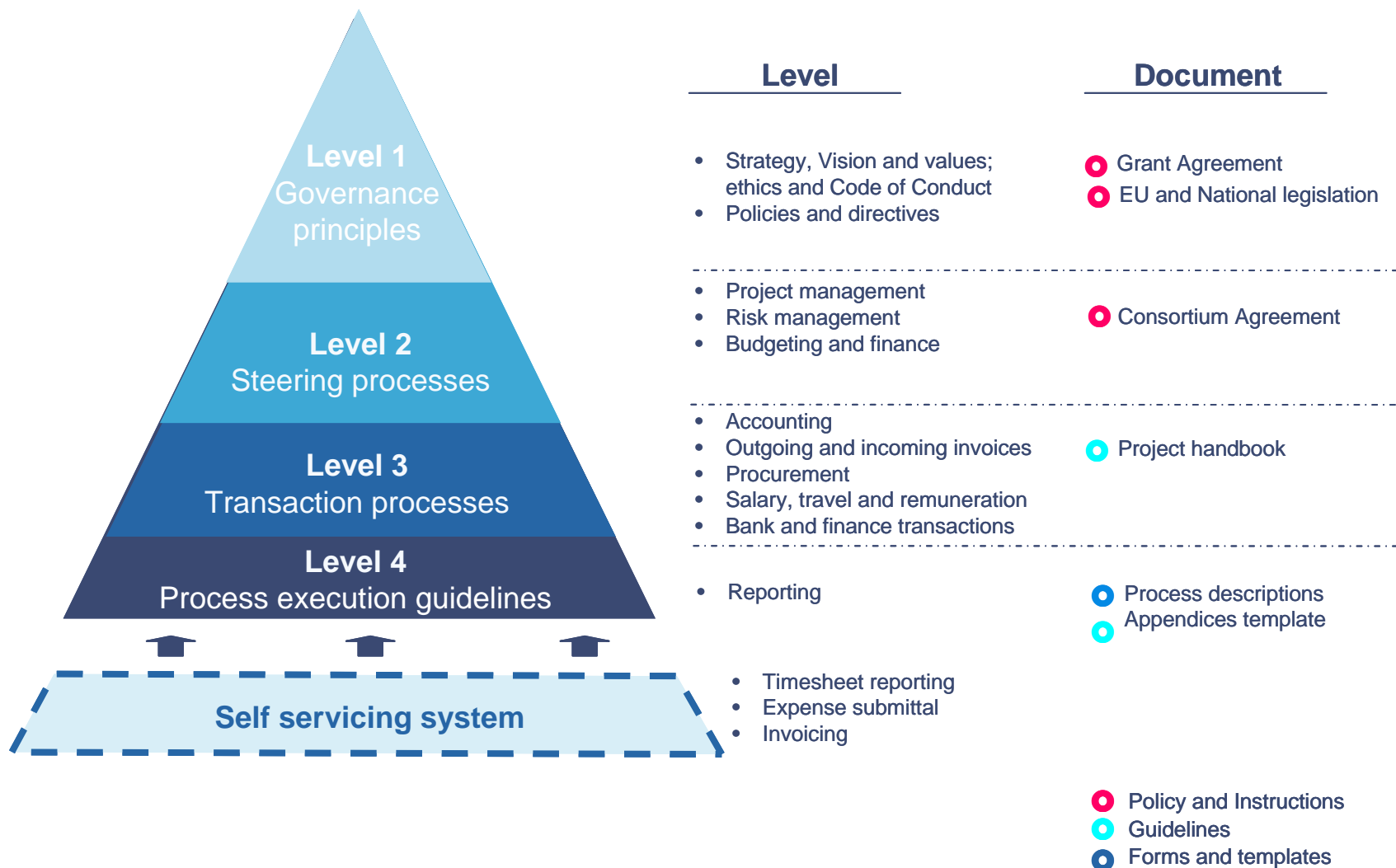
## Deliverables

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<b>Deliverable Code &amp; Name</b>	<b>Planned delivery date</b>	<b>Actual delivery date</b>	<b>Comments</b>
6.1 1 <sup>st</sup> Quarterly report to EU commission	2008-07-31	2008-09-30	<b>Completed</b>
6.2 2 <sup>nd</sup> Quarterly report to EU commission	2008-10-31	2008-12-31	<b>Completed</b>
6.3 3 <sup>rd</sup> Quarterly report to EU commission	2009-01-31	2009-04-03	<b>Completed</b>
6.4 1 <sup>st</sup> Annual report to EU commission	2009-04-30	2009-06-30	<b>In progress</b>
6.5 4 <sup>th</sup> Quarterly report to EU commission	2009-07-31	2009-09-30	Not started
6.6 5 <sup>th</sup> Quarterly report to EU commission	2009-10-31	2009-12-31	Not started
6.7 6 <sup>th</sup> Quarterly report to EU commission	2010-01-31	2010-03-31	Not started
6.8 2 <sup>nd</sup> Annual report to EU Commission	2010-04-30	2010-06-30	Not started
6.9 7 <sup>th</sup> Quarterly report to EU commission	2010-07-31	2010-09-30	Not started
6.10 8 <sup>th</sup> Quarterly report to EU commission	2010-10-31	2010-12-31	Not started
6.11 9 <sup>th</sup> Quarterly report to EU commission	2011-01-31	2011-03-31	Not started
6.12 Final report and 3 <sup>rd</sup> Annual report to EU Commission	2011-04-30	2011-06-30	Not started

# WP6 approach



# Snapshot overview WP 7 Awareness, Training & Consensus building

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The following Beneficiaries participate in WP 7:

- PEPPOL.AT – Work Package Coordinator
- All beneficiaries

WP 7's current budget is € 2 513 698

WP 7 is allocated 124,1 Person Months\*

- 118,9 Public Entity Person Months
- 5,2 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 7

## Deliverables

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<b>Deliverable Code &amp; Name</b>	<b>Planned delivery date</b>	<b>Actual delivery date</b>	<b>Comments</b>
7.1 Basic dissemination material and plans consisting of dissemination action plan, initial database of contacts, dissemination material for campaign I, project website	2009-04-30	2009-04-30	<b>In progress</b>
7.2 Non consortium member state report	2009-04-30	2009-04-30	<b>In progress</b>
7.3 Dissemination material information campaign 2	2009-09-30	2009-09-30	<b>In progress</b>
7.4 Report and evaluation campaign I	2009-10-31	2009-10-31	Not started
7.5 Report and evaluation campaign II	2011-02-28	2011-02-28	Not started

# Snapshot overview WP 8

## Architecture

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The following Beneficiaries participate in WP 8:

- NITA – Work Package Coordinator
- All remaining beneficiaries

WP 8's current budget is € 2 880 813

WP 8 is allocated 262,4 Person Months\*

- 155,8 Public Entity Person Months
- 106,6 Subcontractor Person Months

\* Person Month = 150 hours

# Snapshot overview WP 8

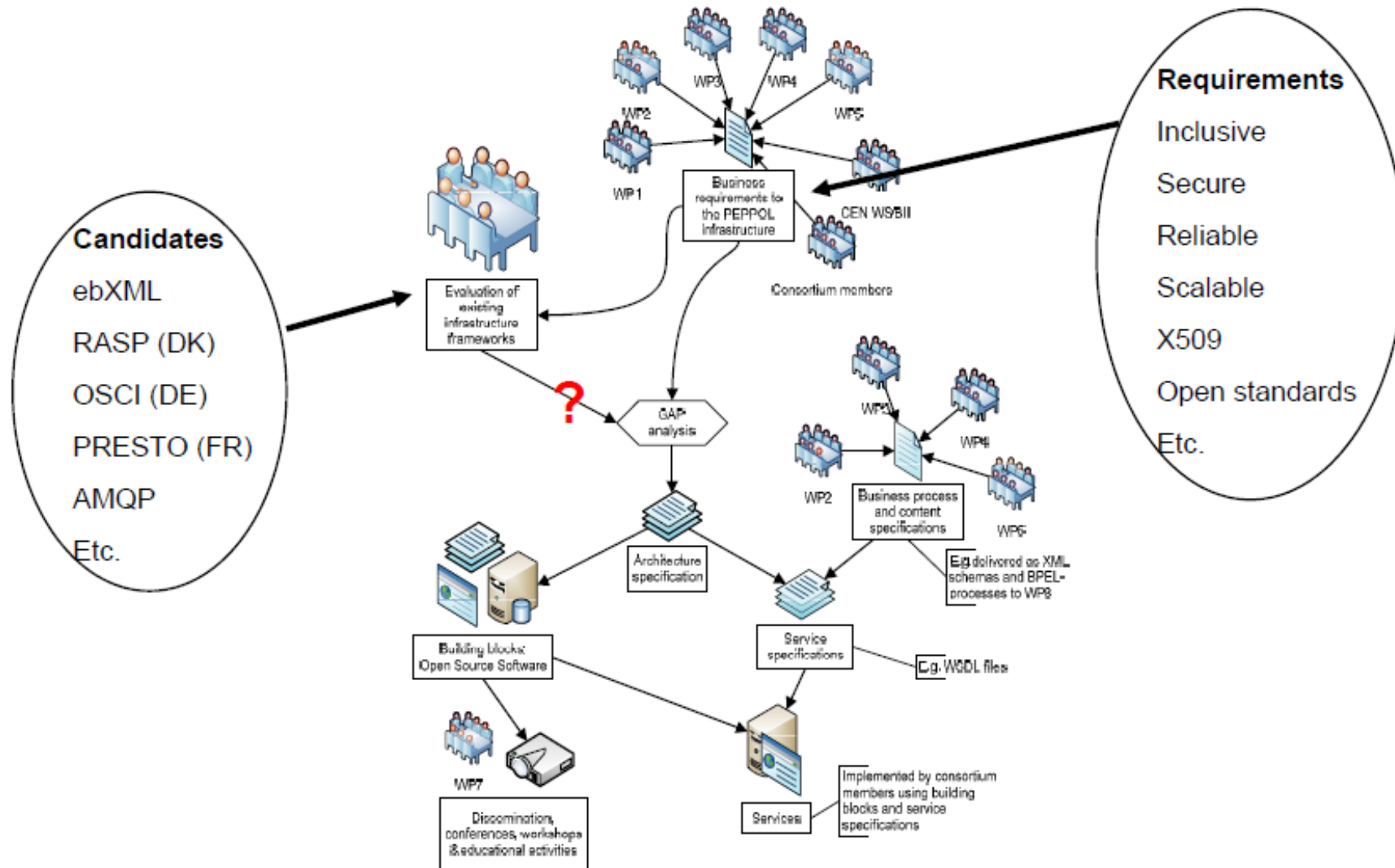
## Deliverables

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<b>Deliverable Code &amp; Name</b>	<b>Planned delivery date</b>	<b>Actual delivery date</b>	<b>Comments</b>
8.1 Beta version of services	2009-04-30	2009-04-30	<b>In progress</b>
8.2 Demo version (Golden Master) of the technical interoperability layer completed	2009-12-31	2009-12-31	Not started
8.3 Final infrastructure report and recommendations for European Roll-Out	2011-03-31	2011-03-31	Not started

# WP8 approach





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