



# PEPPOL – Cross border procurement

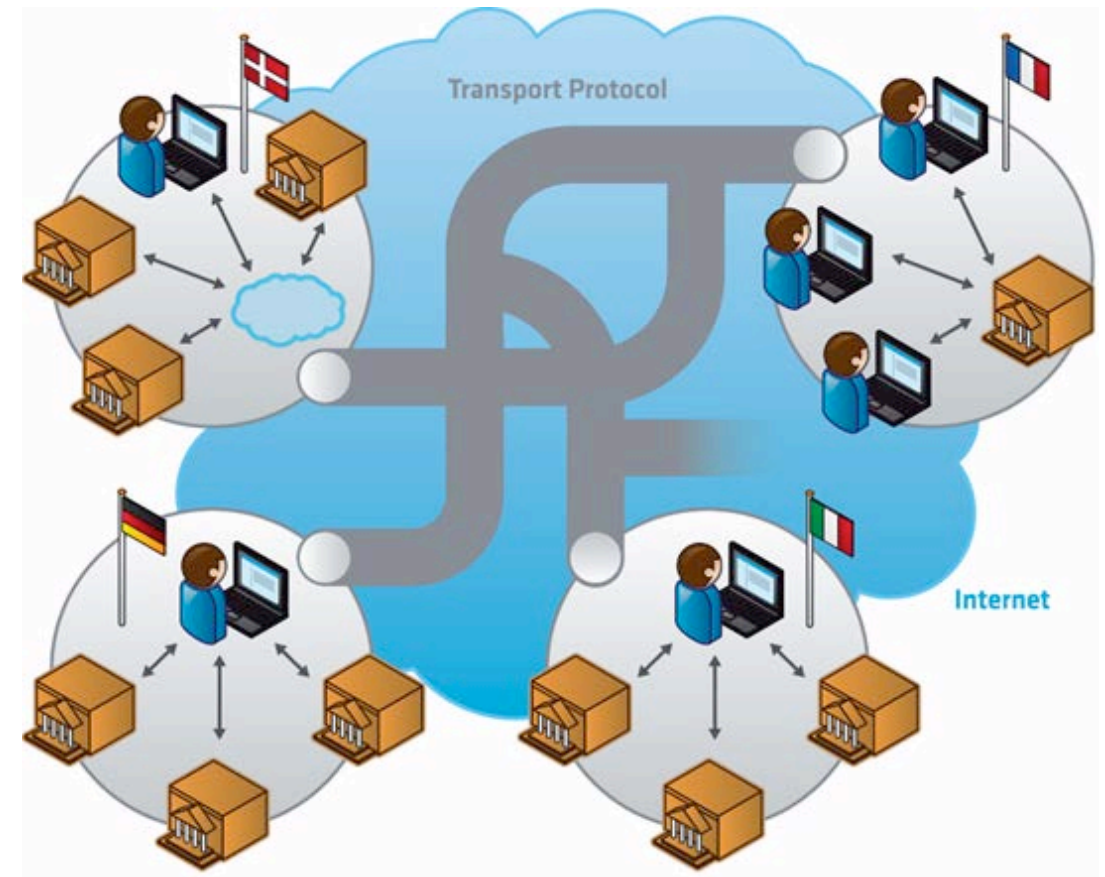
André Hoddevik

Secretary General OpenPEPPOL AISBL

Head of eProcurement Unit, Public Procurement Department  
Agency for public management and eGovernment (Difi)

# The PEPPOL Vision

*To enable businesses to communicate electronically with any European public sector entities in the procurement process, increasing efficiencies and reducing costs*



# The PEPPOL Interoperability Framework

Based on the  
European Interoperability Framework (EIF)



To adopt this Framework all a business needs to do is

- ▶▶ know the identity of its trading partners
- ▶▶ agree that the Framework standards cover the required business transaction
- ▶▶ ensure its software or service provider supports the Framework standards and is connected to a certified Access Point

# The PEPPOL Interoperability Framework components

- ▶▶ PEPPOL Business Interoperability Specifications (BIS) utilising the Universal Business Language (UBL – ISO/IEC 19845)
  - ▶▶ Facilitates standards based end-to-end electronic procurement processes
- ▶▶ PEPPOL eDelivery Network – 4-corner model
  - ▶▶ Technical specifications and sample software (open source)
- ▶▶ PEPPOL Agreement Framework
  - ▶▶ Legal framework for governance and compliance to facilitate multilateral interoperability
- ▶▶ Governance set-up through OpenPEPPOL AISBL
  - ▶▶ International non-profit association, life cycle management routines

# The PEPPOL Business Interoperability Specifications (BIS)

- ▶▶ A PEPPOL BIS is a structured description of
  - ▶▶ a business process,
  - ▶▶ the information flow in the process and
  - ▶▶ the business rules for the processimplemented in a technical format for efficient machine-to-machine message exchange
- ▶▶ PEPPOL BIS enables standardisation, improvement and development of procurement processes
- ▶▶ Facilitates standards based end-to-end electronic procurement processes
  - ▶▶ **A range of pre-award message types to be released in 2018/2019**
  - ▶▶ A range of post-award message types already available: Product catalogues, order/order confirmation/despatch advice, invoices/credit notes

# PEPPOL BIS for support of pre-award processes

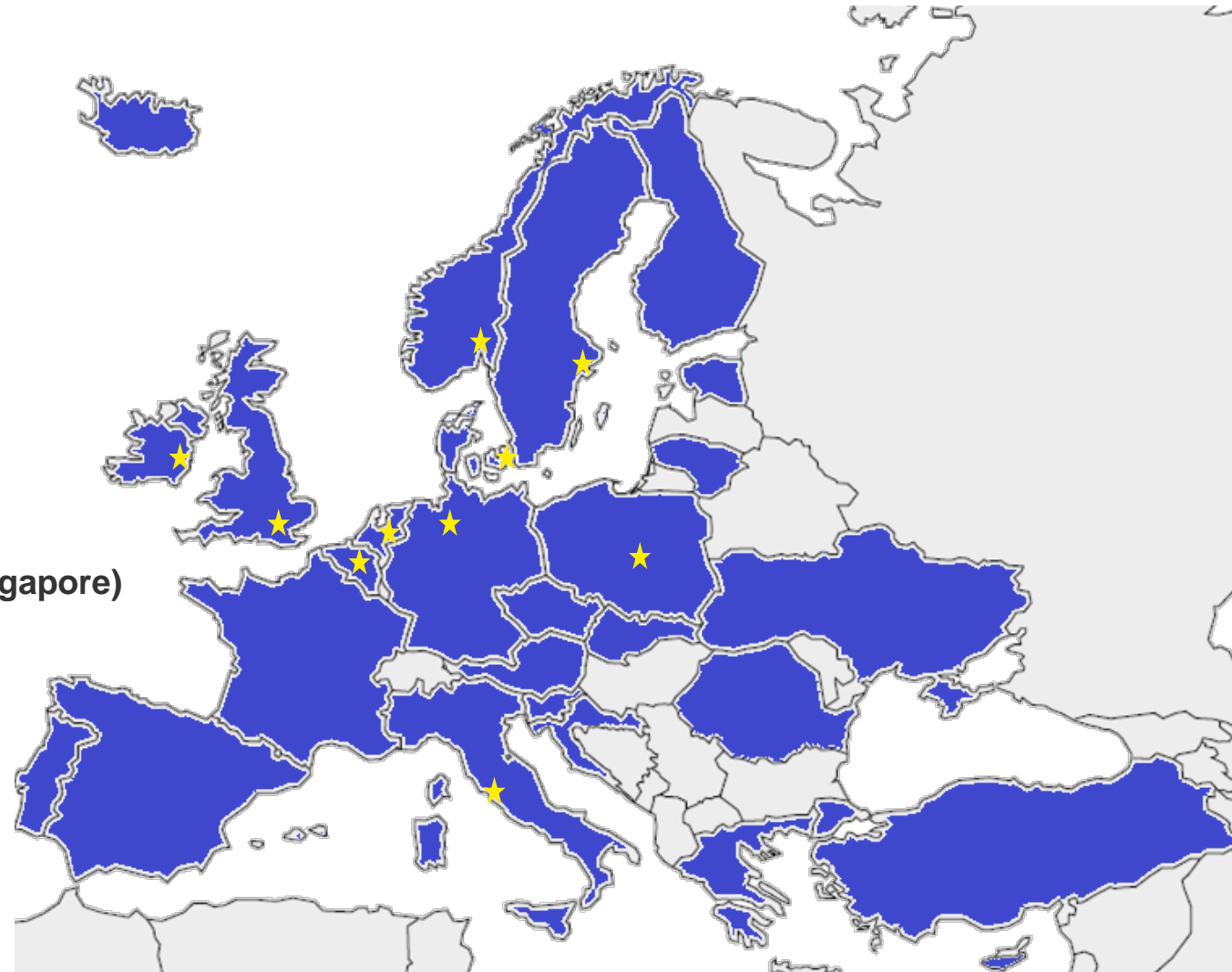
- ▶▶ Already released
  - ▶▶ PEPPOL BIS ESPD (European Single Procurement Document) 1.0
  - ▶▶ PEPPOL BIS Pre-award catalogue
  
- ▶▶ Short term releases (June 2018), transition from e-SENS project
  - ▶▶ PEPPOL BIS P001 – Procurement procedure subscription
  - ▶▶ PEPPOL BIS P002 – Procurement document access
  - ▶▶ PEPPOL BIS P003 – Tender Submission
  
- ▶▶ Longer term release plans
  - ▶▶ PEPPOL BIS VCD / Get Evidence
  - ▶▶ PEPPOL BIS ESPD 2.0.2
  - ▶▶ PEPPOL BIS Pre-award catalogue request

# The PEPPOL Interoperability Framework today

173 Certified Access Points in 21 countries in Europe and North America

## 12 PEPPOL Authorities

- ▶▶ Agency for Digital Italy (Italy)
  - ▶▶ Agency for Public Management and eGovernment (Norway)
  - ▶▶ Danish Business Authority (Denmark)
  - ▶▶ Department of Health (UK)
  - ▶▶ Department of Public Expenditure and Reform (Ireland)
  - ▶▶ Federal Public Service Policy and Support (Belgium)
  - ▶▶ Financial Management Authority (Sweden)
  - ▶▶ **Free Hanseatic City of Bremen – KoSIT (Germany)**
  - ▶▶ **Info-communications Media Development Authority (Singapore)**
  - ▶▶ Ministry of Economic Development (Poland)
  - ▶▶ SimplerInvoicing (Netherlands)
  - ▶▶ OpenPEPPOL AISBL
- 
- ▶▶ More than 120.000 public and private sector entities can receive PEPPOL BIS invoices
  - ▶▶ 278 OpenPEPPOL members from 31 countries
  - ▶▶ 60 million+ BIS invoices between APs in 2017





# PEPPOL in Germany



- ▶▶ In April 2018, the German National IT Planning Council decided to mandate use of the PEPPOL eDelivery Network for transport of e-invoices to public authorities in Germany
  - ▶▶ The Coordination Office for IT Standards (KoSIT), located in the Free Hanseatic City of Bremen, nominated as PEPPOL Authority for Germany
  - ▶▶ The timeline for implementation will be decided by the National IT Planning Council in October
- ▶▶ In June 2017, the German National IT Planning Council decided to mandated for public authorities to receive and process XRechnung invoices
  - ▶▶ The XRechnung is a Core Invoice User Specification (CIUS) of the European Norm (EN) 16931 on e-invoicing
  - ▶▶ The Xrechnung will be implemented as a national ruleset in PEPPOL BIS Billing 3.0 (EN 16931 CIUS)



# PEPPOL outside Europe

- ▶▶ IMDA (Singapore) as the first PEPPOL Authority outside Europe – announced 21 May
- ▶▶ PEPPOL as national framework and standard for e-invoicing
- ▶▶ Will serve as a model for setting up other PEPPOL Authorities outside Europe
- ▶▶ Proves PEPPOL’s relevance and role in enabling the digital economy also outside Europe
- ▶▶ Strong interest from Singaporean stakeholders – 45 signed on as interested/committed before the public announcement



# The value of the PEPPOL Interoperability Framework

- ▶▶ Market enabler for interoperable e-procurement solutions
- ▶▶ Facilitates standards based end-to-end electronic procurement processes
- ▶▶ Legal framework for governance and compliance to facilitate multilateral interoperability
- ▶▶ Governance through a member based non-profit organisation
- ▶▶ Enables a significant simplification and improvement of the on-boarding process for buyers and suppliers that want to trade electronically
- ▶▶ Originates from European government's need for cross-border interoperability in public procurement process, but has also proven its relevance outside Europe and for business-to-business interoperability

# Main priorities – the future for the PEPPOL Interoperability Framework

- ▶▶ Roll-out of PEPPOL BIS Billing 3.0 throughout Europe supporting implementation of Directive 2014/55/EU
- ▶▶ Increased use of PEPPOL BIS for catalogue, order/order confirmation and despatch advice
- ▶▶ Increased use of PEPPOL BIS in Pre-Award processes supporting implementation of Directive 2014/24/EU
- ▶▶ Revised framework for PEPPOL Transport Infrastructure Agreements
- ▶▶ Assess and include new domains for use of the PEPPOL eDelivery network
- ▶▶ On-board more PEPPOL Authorities – also outside Europe
- ▶▶ Utilisation of Distributed Ledger Technology/Blockchain



## More information

E-mail: [info@peppol.eu](mailto:info@peppol.eu)

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