isa
Interoperability Solutions
for European Public Administrations

JOINING UP GOVERNMENTS

EUROPEAN
COMMISSION

ISA's *online service to make it easier for Public Administrations to find ICT specifications*

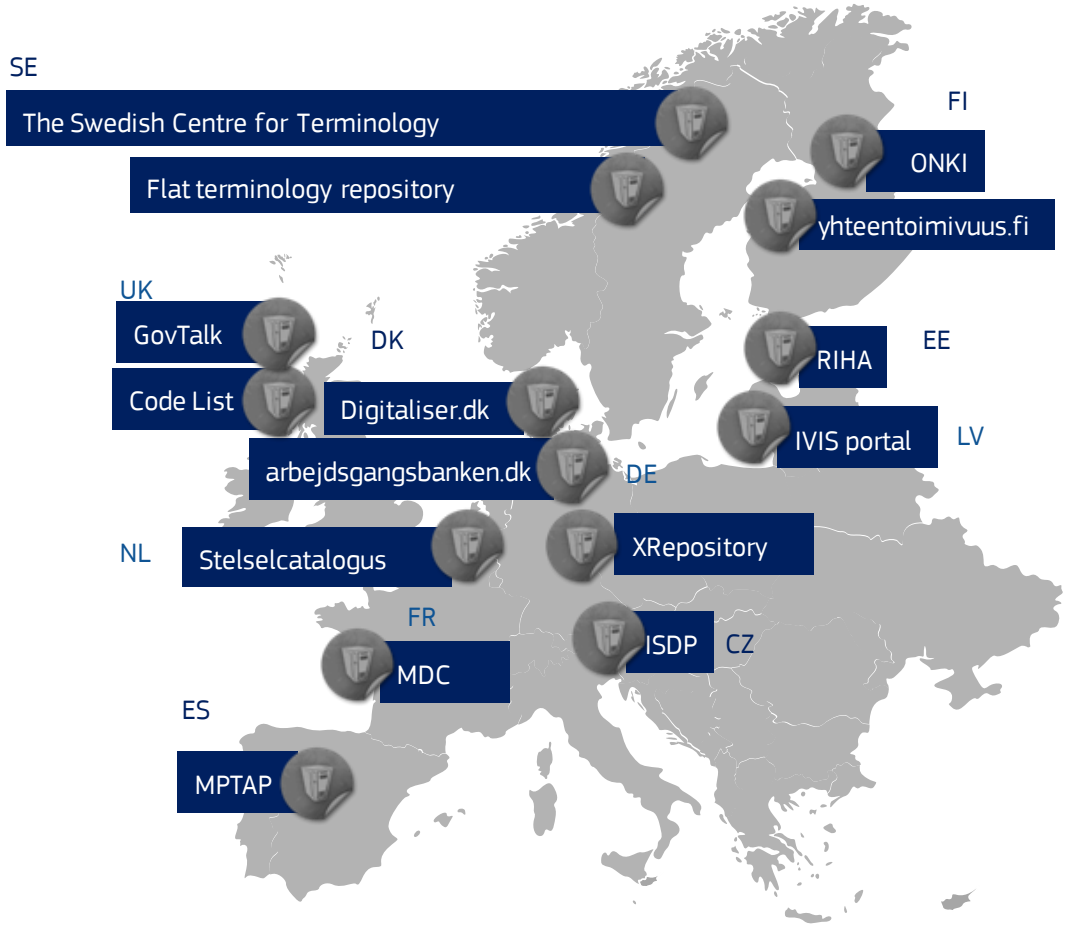
February 2013

Introduction

ISA is undertaking a number of initiatives to promote reuse of **ICT specifications**

Who publishes ICT Specifications?

… but also Member States

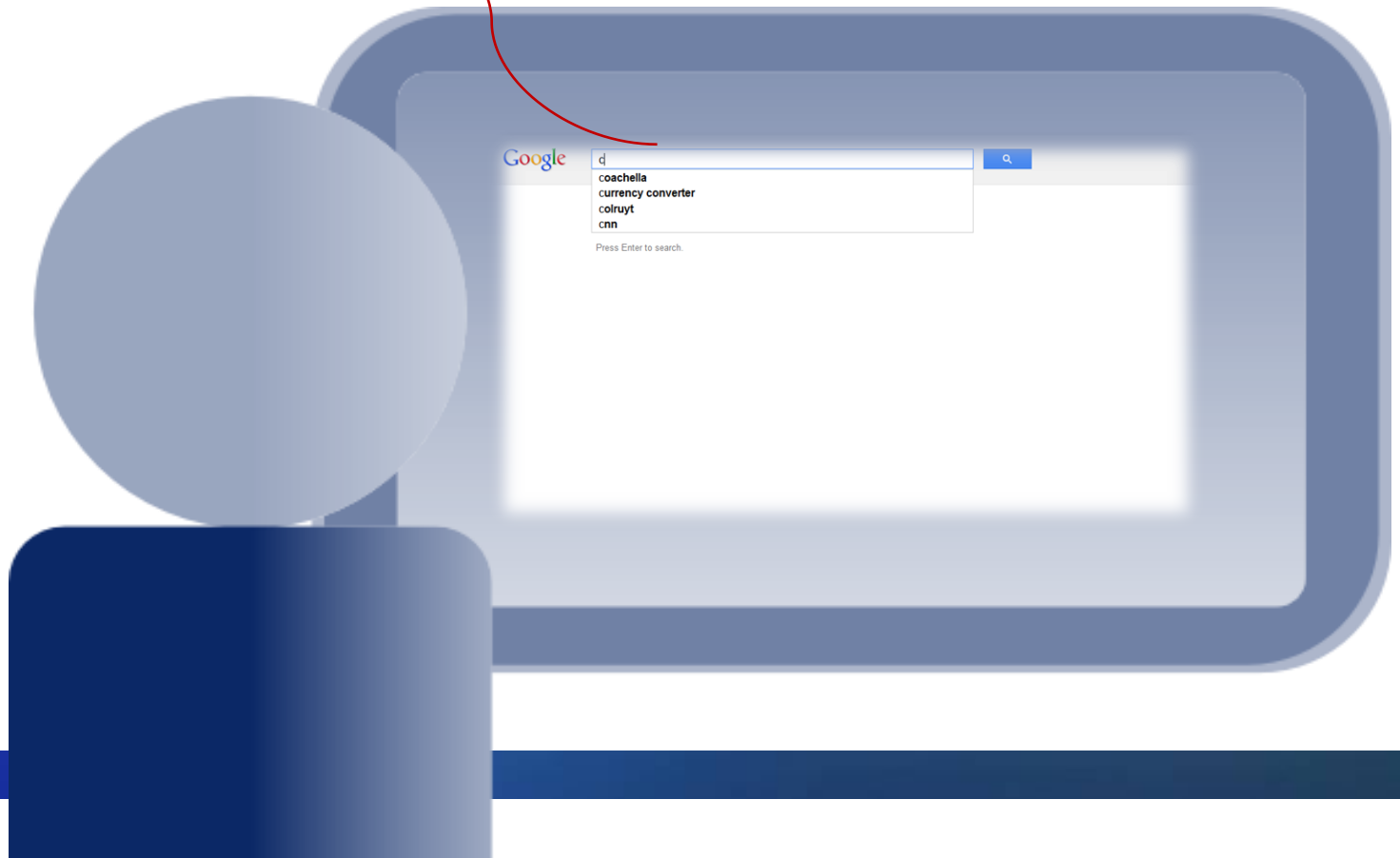


However…

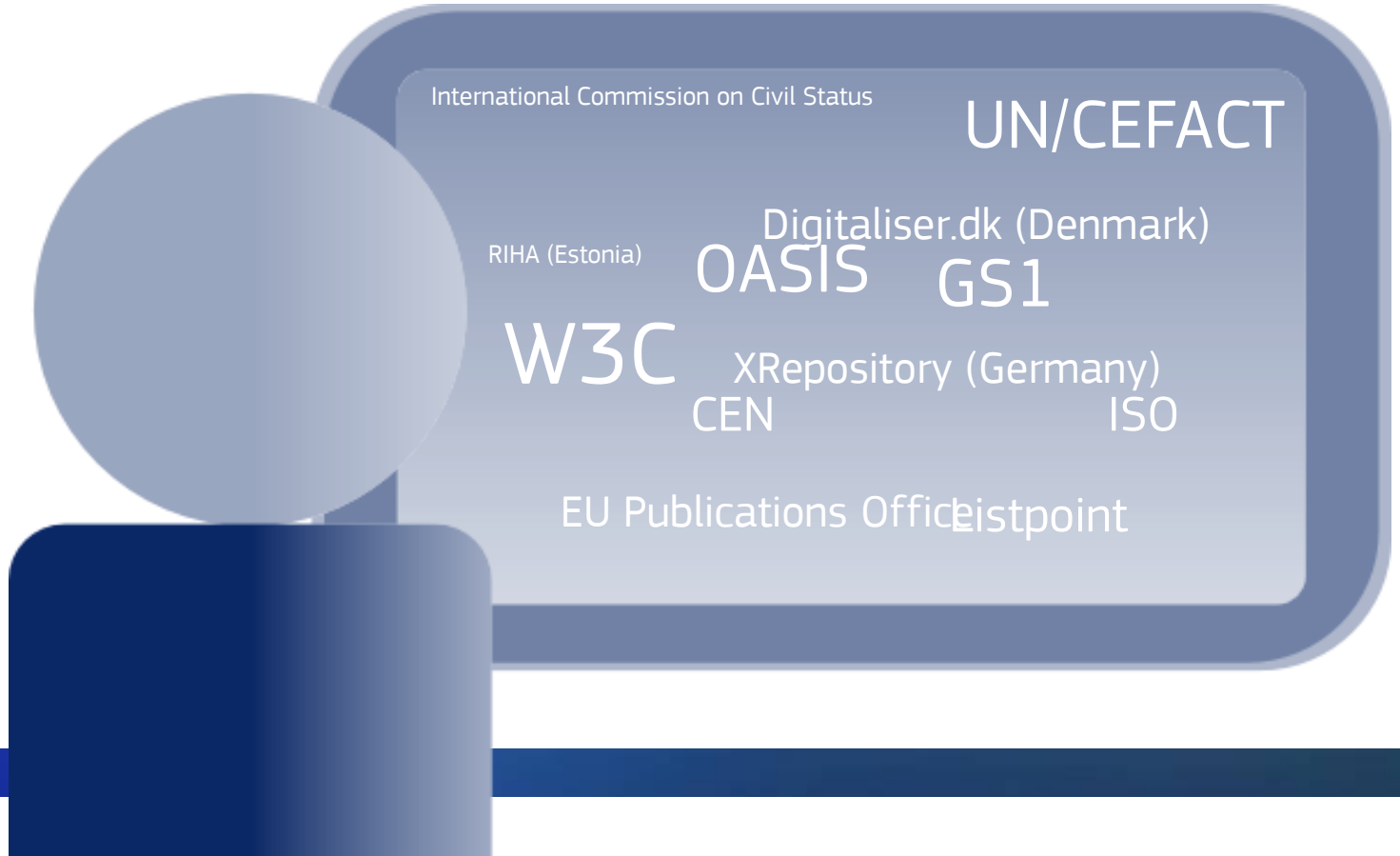
It is hard to find, understand and reuse ICT specifications

Let's look at this from the User perspective

I am looking for a particular specification



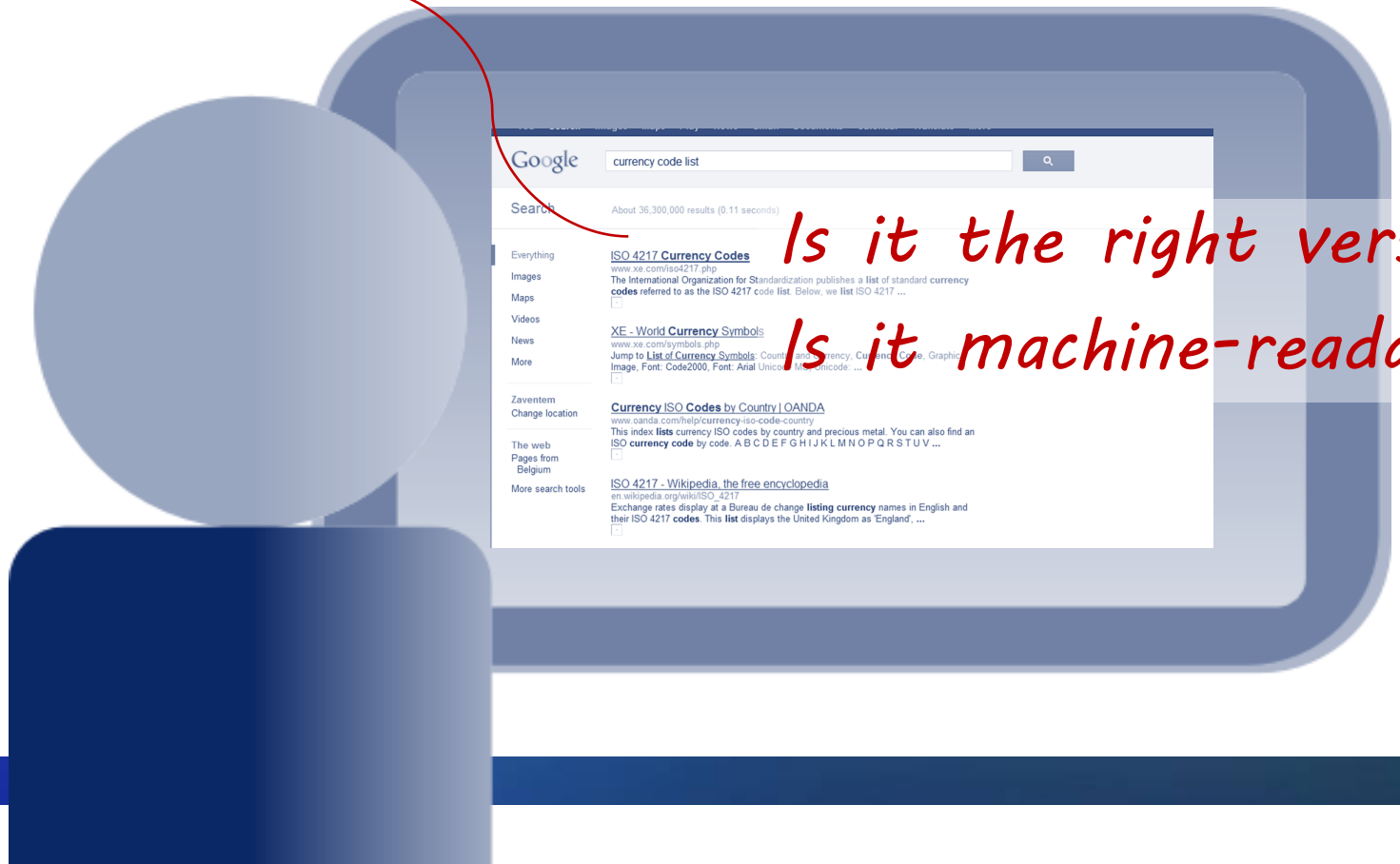
Reusable specifications **are not easy** to find because they are published on a multitude of websites



Google not good enough

There are too many websites

I don't know what to use



Is it the right version?

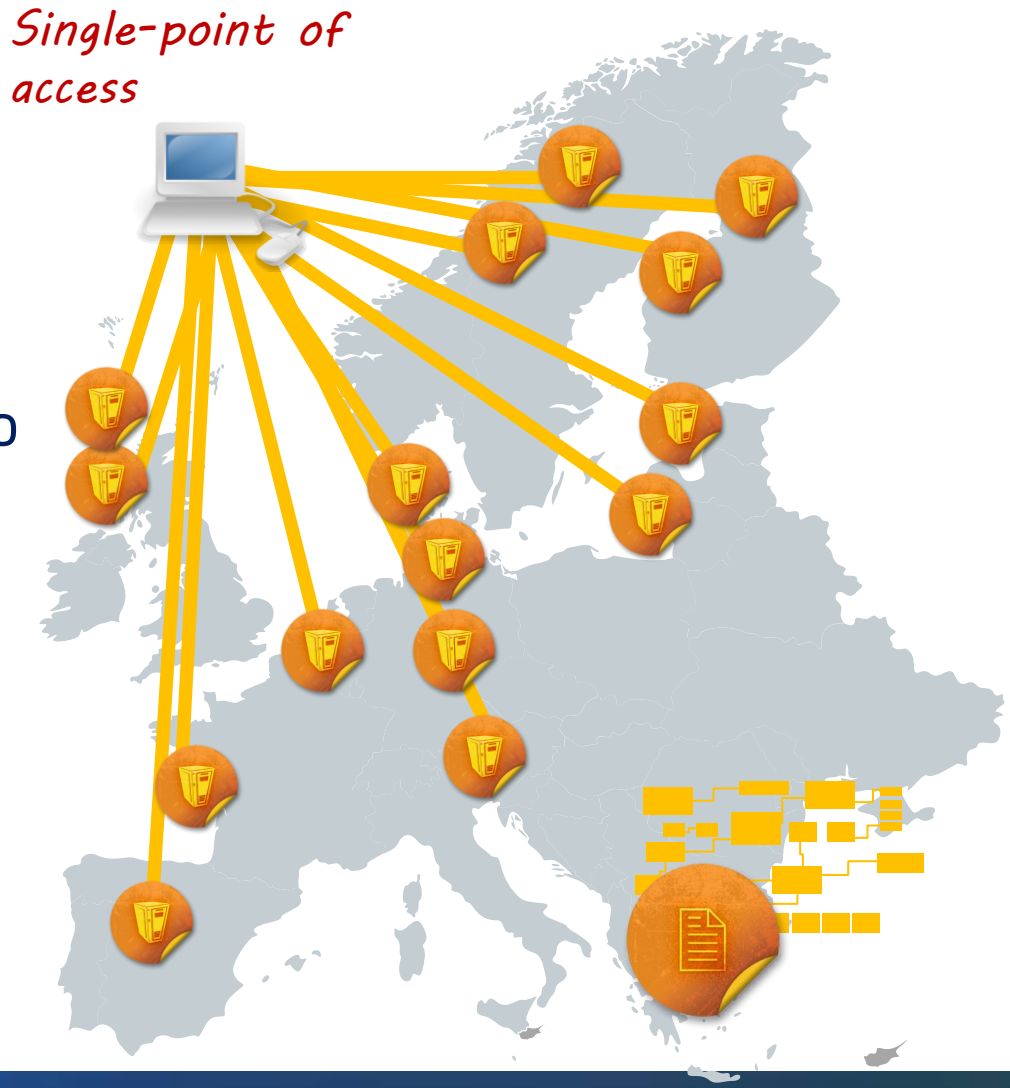
Is it machine-readable?

How can ISA help to:

1. Raise visibility of reusable specifications

2. Promote a simple way to find specifications from different publishers

3. Add valuable metadata to these specifications



How was ADMS created?

Multi disciplinary
working group

43 people

20 Member States and the US.

\+ EU institutions

Standardization bodies

External experts/academia

PwC and W3C facilitation +
W3C methodology

Enthusiasm around ADMS

The ADMS specification:

1200 reads

640 downloads

Currently the specification is available in
UML, XML, RDF
formats for public review

We have designed a solution with two elements: Let's look at the first one

ADMS

ASSET DESCRIPTION METADATA SCHEMA

A common way to describe ICT specifications

This specification was released under the "ISA Open Metadata Licence v1.1" that can be retrieved from https://joinup.ec.europa.eu/category/licence/isa-open-metadata-licence-v11

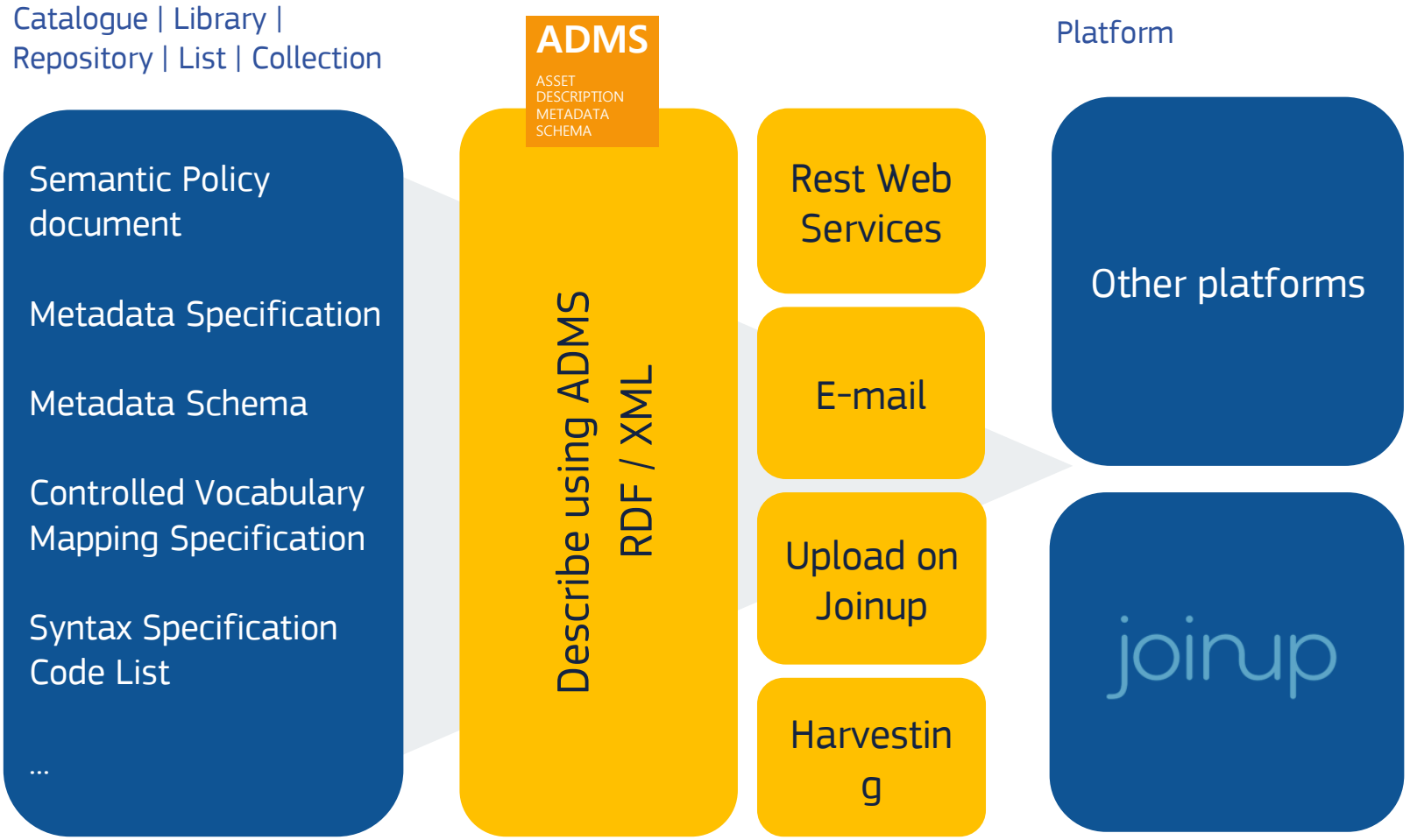
RDF Schema

XML Schema

XML schema builds on Universal Business Language

Re-uses information elements provided by Core Components Technical Specification (CCTS) of UN/CEFACT

Let's look at the second element



15 Partner organisations

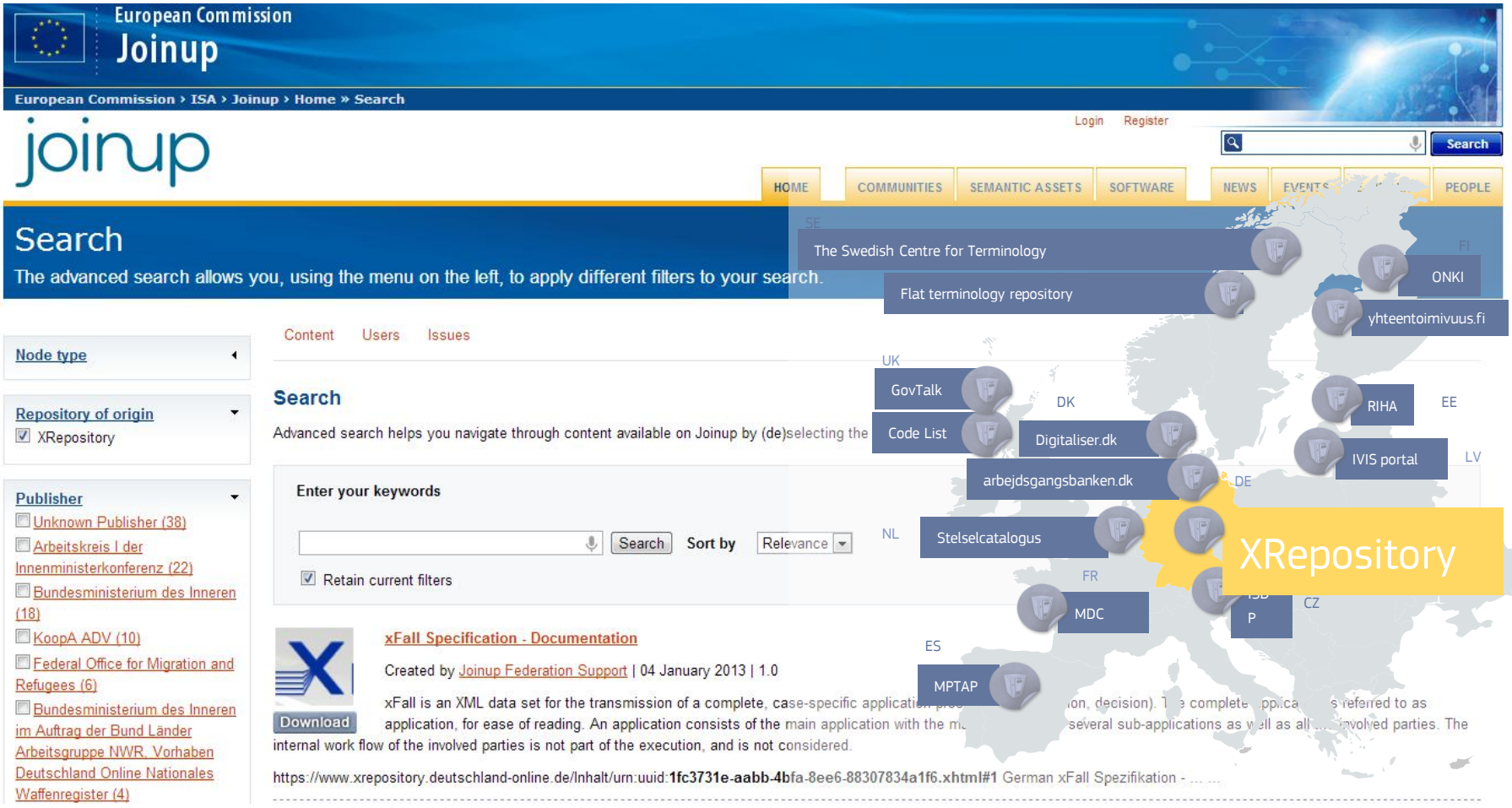
6 partner organisations from Members States

2 partner organisations from European Institutions

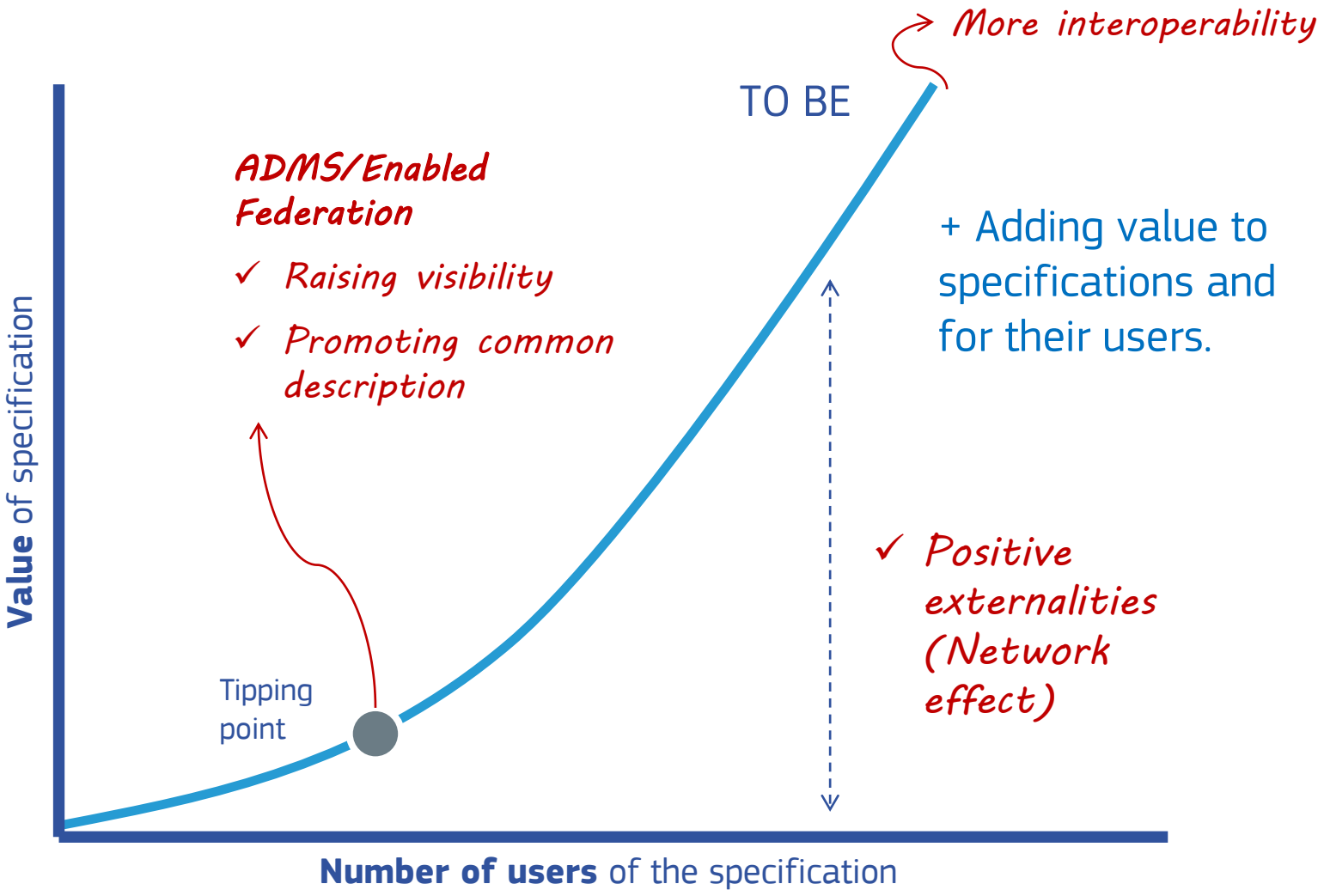
3 partner organisations from Standardisation Bodies

4 partner organisations from other stakeholders

Visit Joinup



What is the value created?



How can you join?

Number of assets in the repository

1 MAP ADMS

- Build a mapping from a native schema to ADMS
- Use ADMS as a native metadata description schema
- Annotate assets manually with ADMS and publish them on the web
- Use the ADMS editor to annotate assets manually on Joinup

2 CREATE ADMS file

- Use a dedicated exporter that transforms the current representation of the specifications into ADMS
- Use the webpage on Joinup: web form to encode the ADMS file directly on Joinup
- Create manually the file using a text editor or a form.
- Use the ADMS editor on Joinup: web form to encode the ADMS file directly on Joinup

3 TRANSMIT ADMS file

- Send the ADMS description (RDF/XML format) to Joinup via REST Web Services
- Send the ADMS description (spreadsheet or RDF/XML format) to Joinup via e-mail
- Publish the ADMS Joinup via e-mail description on the Web (RDF/XML format), so Joinup can harvest it
- Upload manually the ADMS description (spreadsheet or RDF/XML format) on Joinup

Why using ADMS and joining the federation?

Add metadata to your specifications so that they are easy to understand

Federate your specifications so that they are easy to find

and REUSE

We provide support

Get involved

Download

Federation Brochure

http://joinup.ec.europa.eu/elibrary/document/adms-enabled-federation-semantic-asset-repositories-brochure

ADMS Brochure

https://joinup.ec.europa.eu/elibrary/document/adms-brochure

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Team

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Visit our initiatives

CESAR – COMMUNITY OF EUROPEAN SEMANTIC ASSETS REPOSITORIES

SOFTWARE FORGES COMMUNITY

eGOVERNMENT CORE VOCABULARIES

ADMS – ASSET DESCRIPTION METADATA SCHEMA

ADMS.SW

CORE BUSINESS VOCABULARY

CORE PERSON VOCABULARY

CORE LOCATION VOCABULARY

CORE PUBLIC SERVICE VOCABULARY

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