

OPEN WORLD FORUM

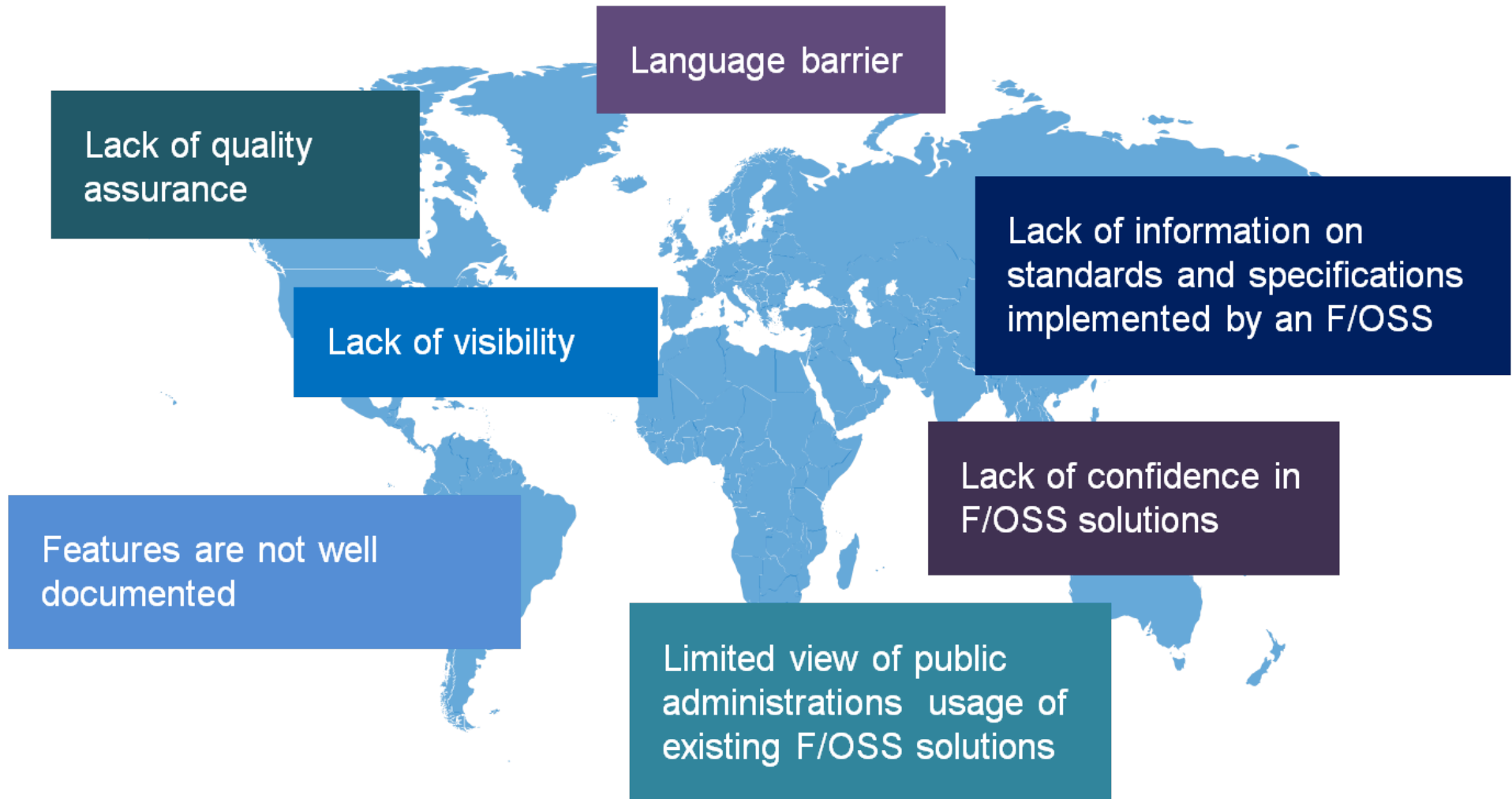


THINKCODE
EXPERIMENT

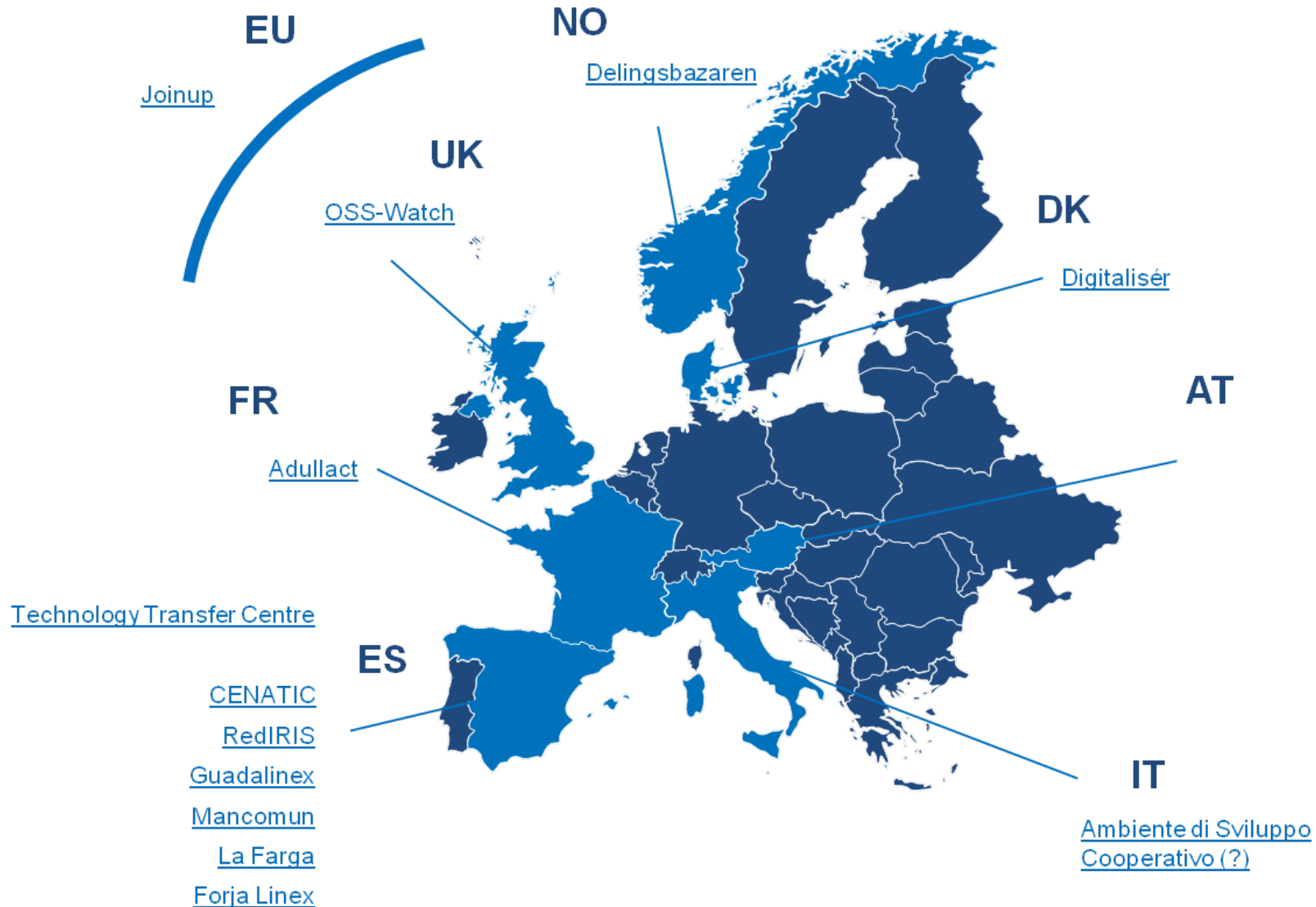
ADMS.SW - Asset Description Metadata Schema for Software

Current status and future plans

Problem: information barriers to the sharing and reuse of software



Existing software catalogues and forges in the EU public sector



Federated Forges: explore F/OSS solutions from a single point of access



joinup



Open-Source Software
Find, reuse and develop Open-Source

Software

OSS on JoinUp

Find Software

My OSS Projects

Software I use

Recommended

Editor's choice

Legal Corner

License Wizard

EUPL

It only federates 3 elements: **name, description and URL**

The current “federation” of software project descriptions on Joinup does not overcome all information barriers to the sharing and reuse of software.

Latest Software

Find a Software:

Search

[Advanced Search](#)

Sort:

Editor's Choice



Propose your Software

Request to create your OSS Project



Ask a legal question



Propose your...



Subscribe to Newsletter



Subscribe to RSS



Share this on...



Federated Forges

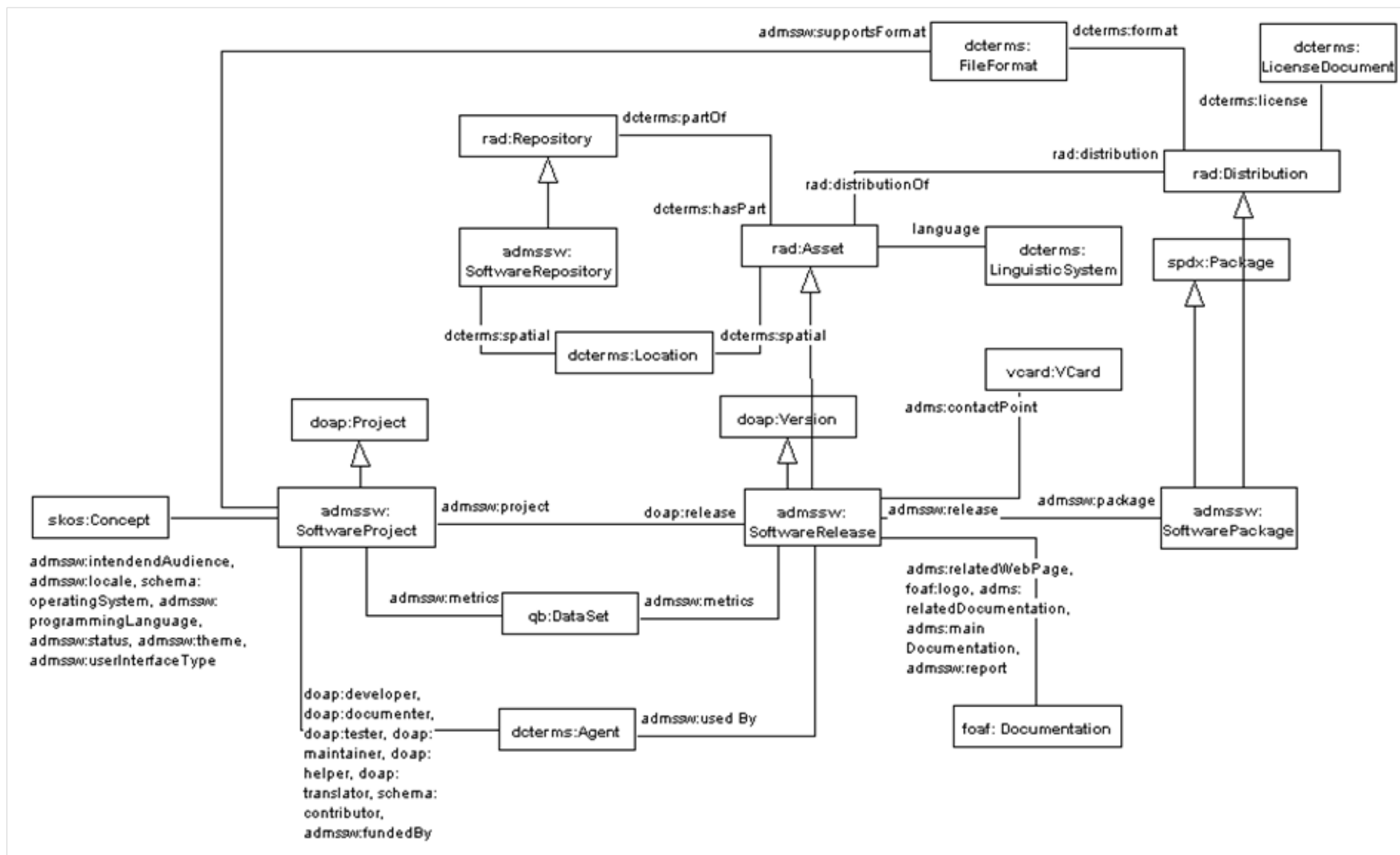
[view all](#)

CENATIC

2 project(s)

Dependent on a technology that is specific to GForge 4 and FusionForge. Software description metadata from other infrastructures cannot be automatically retrieved

ADMS.SW RDF Vocabulary to describe software projects, releases, and packages



Reuse of other vocabularies

ISO
19770-2



Dublin Core Metadata
Element Set



RDF Data
Cube



SPDX

vCard

ADMS
ASSET
DESCRIPTION
METADATA
SCHEMA

DOAP

69% RE-USE

RADion

REPOSITORY
ASSET
DISTRIBUTION



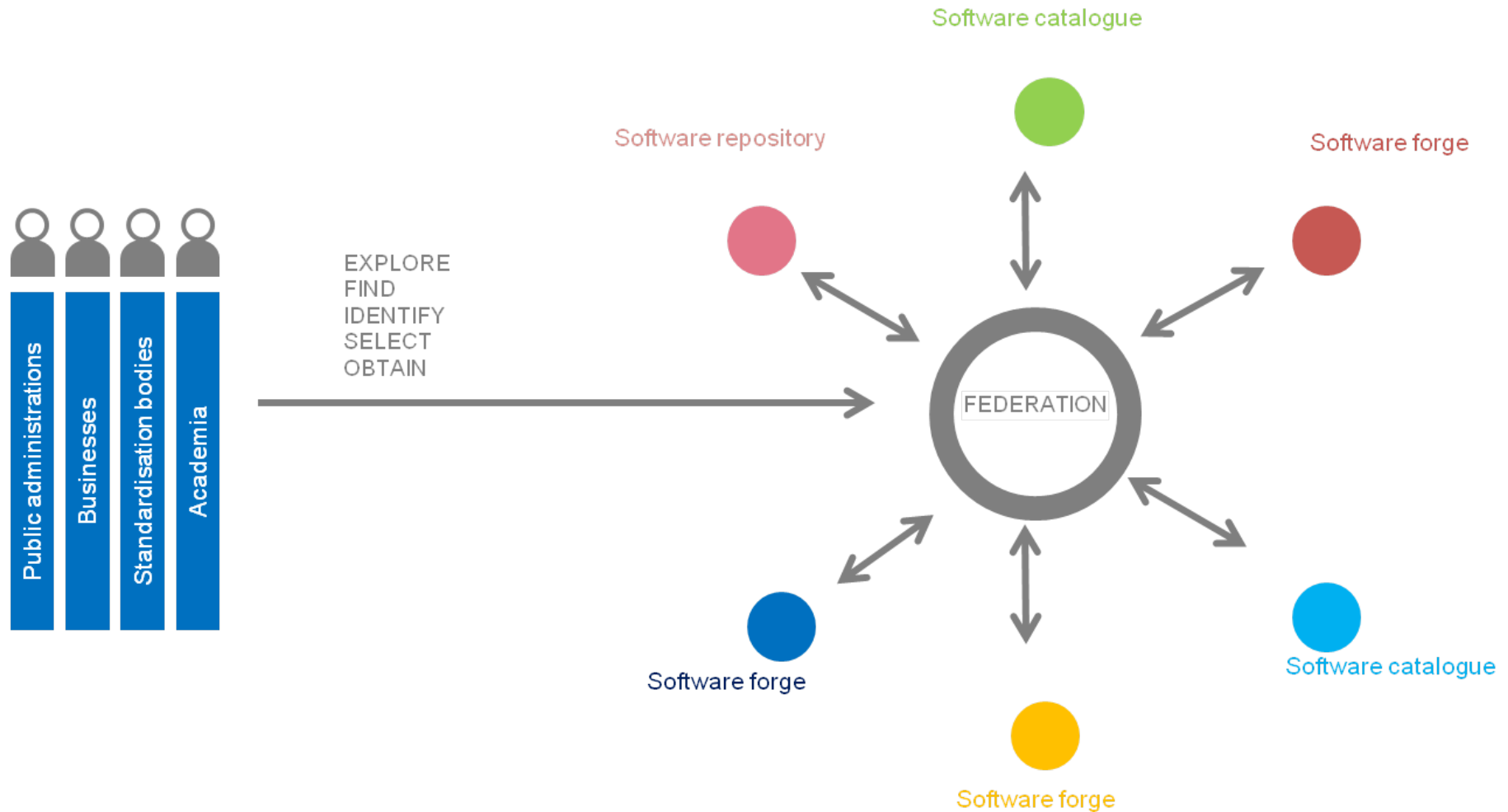
FOAF

Trove Software
Map



SKOS

Building an enhanced, federated catalogue software for e-Government




Advantages

overcome information barriers

Help overcome the information barriers related to the sharing and reuse of interoperability solutions among public administrations

Better search

Allows searching for software from a single point of access



A common specification to describe software assets on the Web will give better visibility, better search, help overcome information barriers and provide a better linking

Better visibility

Increased and equal visibility, independent of the hosting location.

Better linking

Build and explore semantic networks of people, free and open software, and open standards

Part of a bigger solution

1

The provision of legal advice related to the sharing and reuse of software

2

The creation of procurement policies, regulations, guidelines, and processes to support the procurement of software

The maintenance of a software catalogue for public administration system development is not an isolated measure. Policy makers and public administrations need to continue to invest in a combination of measures:

4

The construction and maintenance of a catalogue of open-standards and a software catalogue for public administration system development;

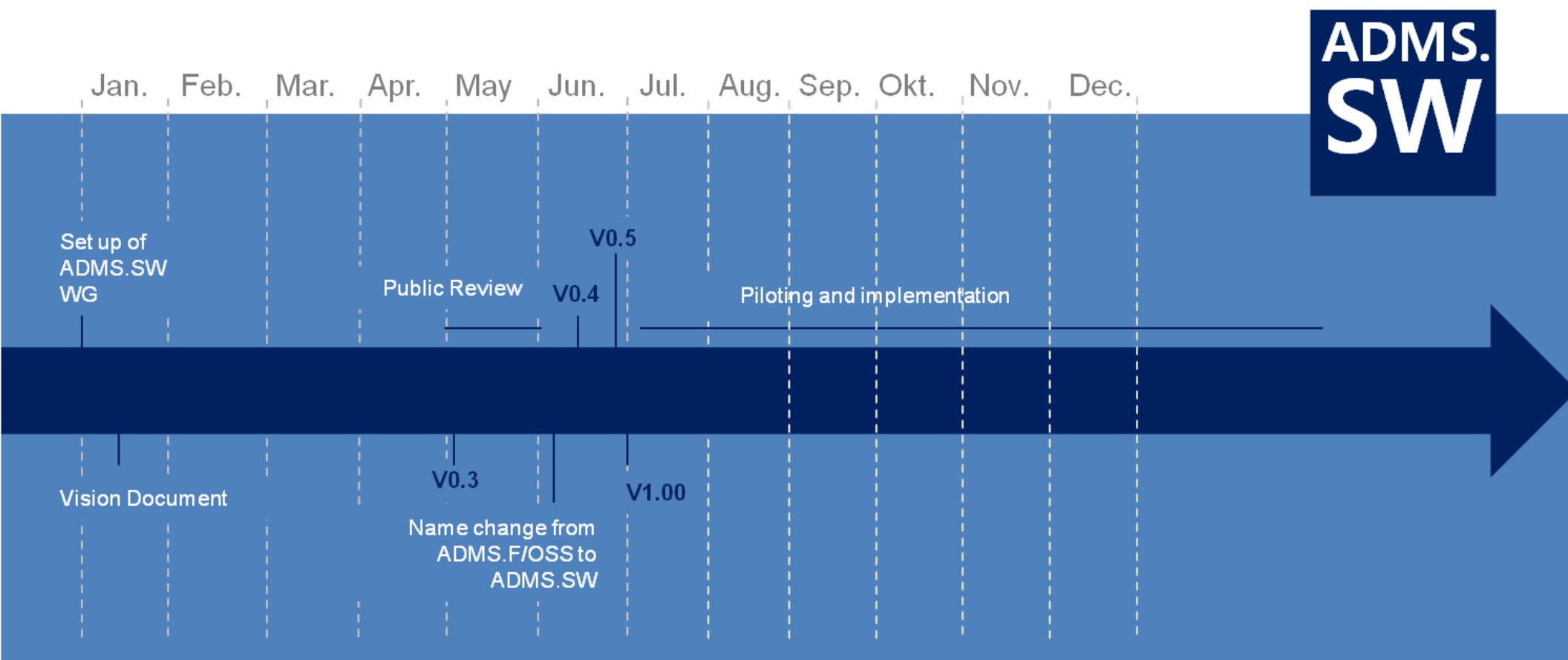
3

Guidance with the effective support of a community of developers and users.

Who is involved?



ADMS.SW Milestones



Known implementations

*Google Refine RDF Template for
ADMS.SW*



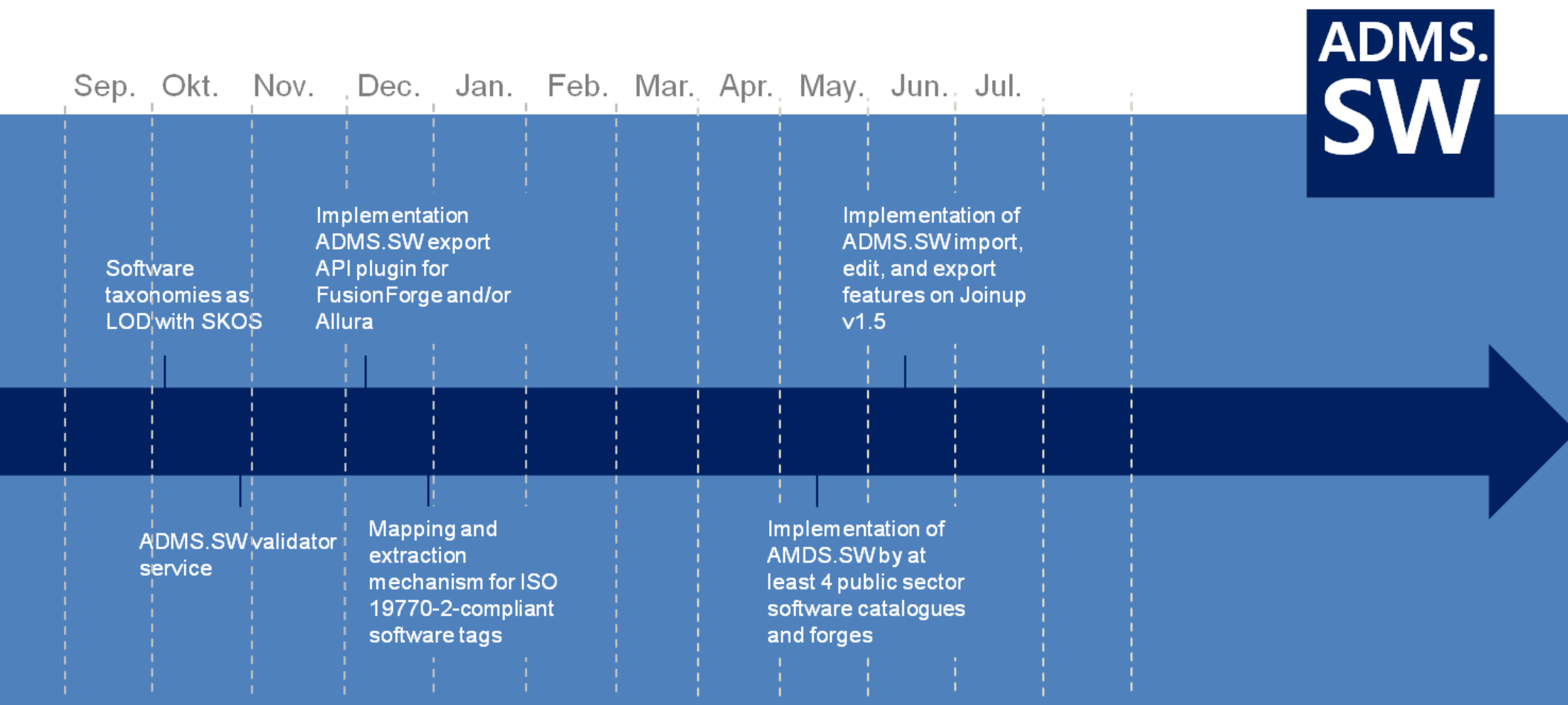
ADMS.SW plugin for FusionForge



debian

*ADMS.SW export for the Debian
Package Tracking System*

Future plans



Publication of software taxonomies as linked open data



Asset Description Metadata: x D: Virtuoso SPARQL Query Editor: x [B31 unread] - stjngpeder: x ADMS_SW_v1_00_Programming_Language x

127.0.0.1:3333/project?project=2024259420856

Google Docs - Home SEMIC.EU - Conflue... Idabc-camss ISA-ICP wiki Home - ISA Migrati... Vocabulary Discussi... Government Linked ... Project ISACV - DIGL... Open Archives Initia... Semantic Interopera... joinup.ec.europa.eu...

Google refine ADMS_SW_v1_00_Programming_Language Permalink

Facet / Filter Undo / Redo

Refresh Reset All Remove All

ConceptNotation: judgment change

2 choices Sort by: name count

matched 30

none 75

Facet by choice counts

ConceptNotation: best candidate's score change reset

0.07 — 1.00

☒ Numeric 52 ☐ Non-numeric 0 ☐ Blank 0 ☒ Error 53

105 rows

Show as: rows records Show: 5 10 25 50 rows

Extensions: Freebase RDF

« first < previous 1 - 50 next > last »

▼ All ▼ ConceptNotation ▼ ConceptURI

1. APL http://dbpedia.org/resource/APL_(programming_language) skos:exactMatch http://sourceforge.net/api/travel/index.php#161

2. assembly http://dbpedia.org/resource/assembly_language http://sourceforge.net/api/travel/index.php#162

3. ada http://dbpedia.org/resource/Ada_(programming_language) http://sourceforge.net/api/travel/index.php#163

4. C http://dbpedia.org/resource/Ada_(programming_language) http://sourceforge.net/api/travel/index.php#164

Match this Cell Match All Identical Cells Cancel

ally typed, n, and object-ster extended from ss. It has support for ring tasks, ssing (via detected objects (a monitor-like

ADMS_SW_v1.00_Spreadsheet_v0.12 ☆

File Edit View Insert Format Data Tools Help All changes saved

fx =GoogleTranslate(B2,"en","da")

ConceptNotation	ConceptLabel	ConceptLabel dk	ConceptLabel es	ConceptLabel fr	ConceptLabel ge	ConceptLabel it	ConceptLabel nl	ConceptLabel pt
office	Office/Business	Bureau /	Office / Business	Ufficio / Affari	Kantoor / Zakelijk	Biuro /		
religion	Religion and Philosophy	Religion og Filosofi	Religion et Philosophie	Religione e Filosofia	Religie en filosofie	Religie		
system	System	System	System	System	System	System		
printing	Printing	Udskrivning	Impression	Stampa	Afdrukken	Druk		
terminals	Terminals	Terminaler	Bornes	Terminals	Terminali	Terminals		
communications	Communications	Kommunikation	Comunicaciones	Kommunikation	Comunicazioni	Communicatie		
other	Other/Nonlisted Topic	Andet / Nonlisted To	Otros / Nonlisted To	Autre / non cotées	Sonstige / nicht bors	Altro / Nonlisted To	Andere / Nonlisted	
social sciences	Samfundsvidenskab	Samfundsvidenskab	Ciencias sociales	Scienze sociali	Sozialwissenschaften	Scienze sociali	Sociale wetenschap	
security	Security	Sikkerhed	Seguridad	Sécurité	Sicherheit	Sicurezza	Veiligheid	
development	Software Development	Software Development	Desarrollo de Software	Developpement de	Software Development	Software di sviluppo	Software Development	
desktop	Desktop Environment	Desktop Environment	Desktop Environment	Desktop Environment	Desktop Environment	Desktop Environment	Desktop Environment	
formats_and_protocols	Formats and Protocols	Formater og protokol	Formatos y Protocolos	Formate et protocoll	Formate e Protocolli	Formaten en protocoll	Formaten en protocoll	
editors	Text Editors	Teaksteditorer	Editores de texto	Text-Editoren	Editor di testo	Text-Editors	Edytor	
database	Database	Database	Base de datos	Datenbank	Database	Database	Database	
mobileapps	Mobile	Mobil	Móvil	Mobile	Mobile	Mobile	Mobil	
education	Education	Uddannelse	Educación	Education	Bildung	Educazione	Onderwijs	
games	Games/Entertainment	Spil / Underholdning	Juegos / Ocio	Jeux / Divertissement	Spiele / Unterhaltung	Giochi / Intrattenim	Games / Entertainment	
internet	Internet	Internet	Internet	Internet	Internet	Internet	Internet	
scientific	Scientific/Engineering	Videnskabelig / Engi	Ciencia / Ingeniería	Scientifique / techn	Wissenschaftliche /	Scientifico / Ingegn	Wetenschappelijke /	

+ | Locale_Language Operating_System Programming_Language Status Topic User Interface Type Publisher_Type Licence_Type File_Format Theme_Taxonomy Theme | =GoogleTranslate(B2,"en")

Publication of software taxonomies as linked open data

Languages

- Danish
- English
- Spanish
- French
- German
- Italian
- Dutch

Taxonomies

- Intended Audience
- Programming Language
- Operating System
- Locale
- Status
- Topic

Steps

1. Software taxonomies as tabular data
2. URI for each term
3. Translate labels
4. Export as SKOS
5. Promote

ConceptNotation	ConceptLabel	ConceptLabel
office	Office/Business	Religion og Filosofi
religion	Religion and Philosophy	System
system	System	Udskrivning
printing	Printing	Terminaler
terminals	Terminals	Kommunikation
communications	Communications	Andet / Nonliste
other	Other/Nonlistet Topic	Samfundsviden
Social sciences	Social sciences	Sikkerhed
security	Security	Software Devel
development	Software Development	Desktop Enviro
desktop	Desktop Environment	Formater og pro
formats_and_protocols	Formats and Protocols	Teksteditorer
editors	Text Editors	Database
database	Database	Mobile
mobileapps	Mobile	Uddannelse
education	Education	Spil / Underhold
games	Games/Entertainment	Internet
internet	Internet	Videnskabelig /
scientific	Scientific/Engineering	

ed, statically typed, -spectrum, and object- el computer guage, extended from -languages. It has nguage support for ncy, offering tasks, ssage passing (via ries), protected objects (a monitor-like



<http://sourceforge.net/api/fove/index/#155>
<http://sourceforge.net/api/fove/index/#156>
<http://sourceforge.net/api/fove/index/#157>
<http://sourceforge.net/api/fove/index/#158>

Validator for the Joinup Application Profile of ADMS

File to test:

Results

[BVR2] Every attribute of type URL must be formatted according to RFC 1738

(s) `http://example.com/SemanticAssetDistribution` identifies a subject for which the value of the `adms:accessURL` property is not a URL

[BVR2] Every attribute of type URL must be formatted according to RFC 1738

(s) `http://example.com/Repository` identifies a subject for which the value of the `adms:accessURL` property is not a URL

[BVR2] Every attribute of type URL must be formatted according to RFC 1738

(o) `Homepage` identifies a subject for which the value of the `adms:accessURL` property is not a URL

[BVR2] Every attribute of type URL must be formatted according to RFC 1738

(o) `doi:foo:bar` identifies a subject for which the value of the `adms:accessURL` property is not a URL

ADMS.SW exporter plugin for FusionForge / GForge



Startpagina

My Page

Projecten

FusionForge

Samenvatting

Activity

Forums

Tracker

Lijsten

Taken

Documentatie

Nieuws

SCM

Bestanden

Me

Set \$wgLogo to the URL path to your own logo image.

fusionforge

- Project Summary
- Inloggen

navigation

- Main page
- Community portal
- Current events
- Recent changes

page

discussion

view source

history

ADMS.SW Plugin

This plugin provides support for querying via content-negotiation the /projects/... pages, and complements the 'doaprdf' plugin.

The /projects page will return an [ADMS.SW 1.0](#) compliant `adms:SoftwareRepository` as RDF+XML, which point to [RDF](#) descriptions of the public projects of the forge.

The individual project's /projects/this_project pages will return DOAP + ADMS.SW RDF+XML documents describing the projects (as `adms:SoftwareProject`, including links to the project contributors that can be published by the 'foafprofiles' plugin.

To navigate query the projects repository, one may try :

```
curl -k -H 'Accept: application/rdf+xml' https://fusionforge.example.com/projects
```

Implementation of ADMS.SW in public sector catalogues

The collage displays four distinct web interfaces for public sector software catalogues:

- Digitaliser.dk:** A Danish website with a navigation bar including 'Forsiden', 'Kataloger', 'Grupper', and 'Netværk'. It features a large image of people walking and the text 'Digitaliseringsstrategien'.
- repositorio de software:** A website from the Junta de Andalucía. It lists 'Most requested projects' such as 'Portafirma electrónico', 'SIG Corporativo', and 'Nao'. It also includes a 'Registered users' section and a list of software categories like 'Gestión de Hospitales' and 'Gestión de Seguridad'.
- Forge ADULLACT:** A website for a cooperative development platform. It has a 'Bienvenue sur Adullact.Net' message and a 'Sélectionnez votre métier' section with icons for 'Collectivités', 'Santé', 'Administration', 'Education', 'Associations', and 'Informatique'.
- EGov Labs:** An Austrian OpenSource platform. It features a 'Willkommen auf der OpenSource Plattform des Digitalen Österreich!' message and a list of 'Hosted Projects' with statistics like 'Registered Users: 6,972' and 'Top Project Downloads'.

Get involved: Join ISA initiatives on Joinup

Visit us on **joinup**

joinup.ec.europa.eu

<http://goo.gl/sLHIU>

ADMS
ASSET
DESCRIPTION
METADATA
SCHEMA

<http://goo.gl/3VCZU>

CESAR
COMMUNITY OF
EUROPEAN
SEMANTIC ASSETS
REPOSITORIES

<http://goo.gl/tY9ty>

eGOVERNMENT
CORE
VOCABULARIES

<http://goo.gl/q2RQx>

CORE
PERSON
VOCABULARY

<http://goo.gl/VODFF>

CORE
BUSINESS
VOCABULARY

<http://goo.gl/dqOnm>

CORE
LOCATION
VOCABULARY

<http://goo.gl/03xkP>

ADMS.
SW

and



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THINK CODE EXPERIMENT



OPEN
WORLD
FORUM

ADMS.SW

Asset Description Metadata Schema for Software