

Trilogue Tables Editor Information exchange EP-CEU meeting

09-11-2016







Context and mission

Context

• The European Parliament plays a fundamental and growing role in the EU's law-making process. It is also currently one of the world's largest multilingual information and content producers.

Mission

• The <u>e-Parliament program</u> aims to empower the Members of the European Parliament (MEPs) by providing them, and the administration at large, with **improved legislative and parliamentary services through state-of-the-art ICT tools and solutions** that are intuitive, streamline current processes and adapt to changing ways of work.





Scope and Added Value

Scope

• **e-Parliament** is integral to ensuring sustainable, sophisticated administrative support for Members in their legislative work, through the **replacement of out-dated technologies** which are no longer fit for purpose post-Lisbon Treaty, in the context of Parliament's enhanced role throughout the legislative cycle.

Added-value

• Legislative information created, stored and disseminated via e-Parliament tools will be much easier to access, reuse and classify, making the EU's legislative work, and the work of Parliament's Members in particular, more transparent, visible and, in turn, more accountable to European citizens.





Objective & solutions

• The main objective of the program is to facilitate and standardise the creation, edition, translation and publication of committee and parliamentary legislative work and to assure a high quality of texts via the usage of web editors which provide tools focused on the drafting activity.

Moreover, the content produced by these editors is easily retrievable and reusable by all actors in Parliament, across all stages of the legislative process, from the creation of an initial draft report (AT4LEX, phase 1), through the creation of individual Members' amendments (AT4AM), their revision (DST) and translation (CAT4TRAD) to the compilation and publication of final reports (AT4LEX, phase 2) and agreements (4 column documents) and, ultimately, Parliament's Texts Adopted (AT4LEX, phase 3).





Scope: extract from PMP

1.1 Functional scope

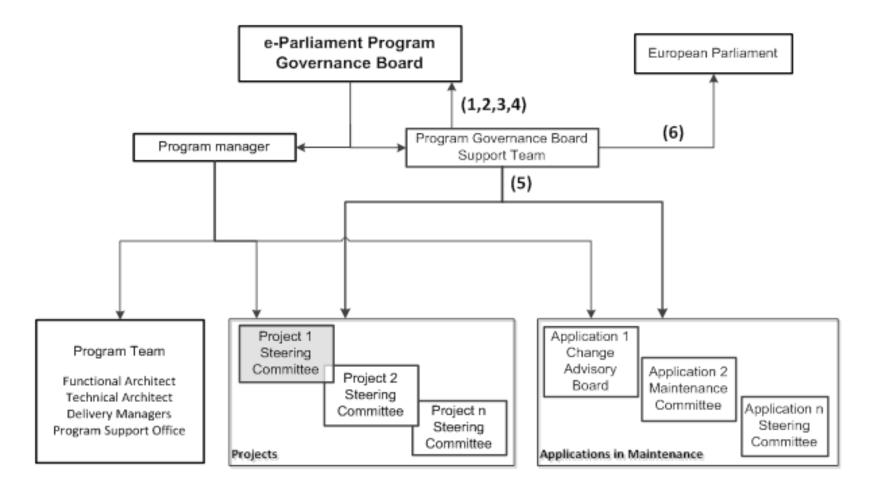
The total functional scope of e-Parliament is divided into text production chains. A chain is a set of processes, actors and tools across a range of DGs linked together to produce a collection of texts. The current identified text production chains are:

- Reports & Amendments
- Committees Agenda
- Plenary Verbatim
- Parliamentary Questions
- Written Declarations
- Plenary Minutes
- Committees Minutes
- Plenary Agenda



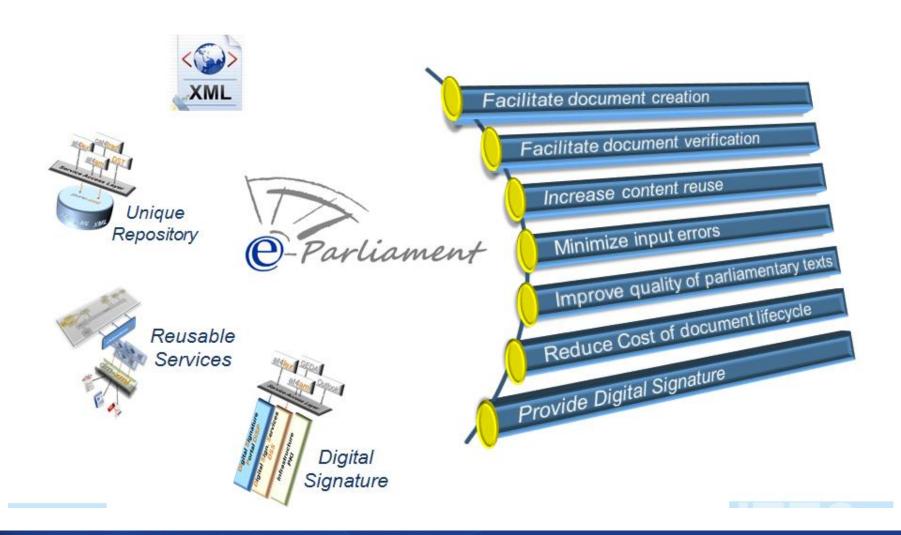


e-Parliament Governance The PGB and PGBST





©-Parliament Benefit Map

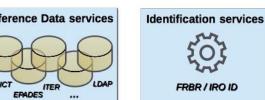




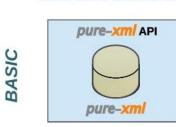
BUSINESS COMPONENTS

TEXT MANAGEMENT PHASES

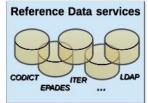
CREATE **VERIFY** TRANSLATE **APPLICATIONS** at4am & at4lex DST & cat4trad cat4trad **Consolidation Support Tool** DiSP dm-xml COMPOSITE signing services pre-fill **EPS** xml4ep - lib dm-xml storage services instantiation business













CONSOLIDATE

dm-xml

rendering



@-Parliament Architecture







Enablers and key success factors

Likewise, moving towards **an XML format**, which underpins e-Parliament, is fundamental to establish interinstitutional compatibility for the exchange of legislative material, modernise and streamline legislative document production and publication, fully capitalise on the benefits of new technology and substantially optimise the use of human resources.

The program will measure the progress towards the adoption of the new solutions to reach full compatibility of the processes. In the meantime, it will **ensure adequate arrangements for conversion into XML of all the base documents** (whether internal or interinstitutional) on which the European Parliament may express its position through amendments.





xml4ep Project (1/4)

- ✓ *xml4ep* objective (1): select or design an XML schema or standard suitable for parliamentary texts
- ✓ *xml4ep* objective (2): adapt the selected standard for EP documents
- ✓ *xml4ep* objective (3): provide concrete examples and support implementing teams
- ✓ *xml4ep* objective (4): define and setup a governance

xml4ep Project (2/4)

- ✓ Selected schema is *Akoma Ntoso*
- ✓ Created under the auspicies of the United Nations under UN/DESA initiative
- ✓ Designed ground-up for <u>legislative</u>, <u>parliamentary</u> and <u>judiciary</u> texts
- ✓ Used worldwide (UK National Archives, Senate and chamber of Italy, House of representatives USA, ...)
- ✓In the final round of Oasis standardisation as <u>LegalDocML</u> based on Akoma Ntoso version 3.0

xml4ep Project (3/4)

- ✓ *xml4ep* is the basis for content, document and application interoperability.
- ✓ *xml4ep* is a set of specifications (*not implementation*) organized in two layers:
 - ✓ General rules applicable to all documents
 - ✓ A specific set of rules per document type
- ✓ *xml4ep* currently covers
 - ✓ xm/4ep ver. 2.1.0 (Amendments & Amendments List)
 - √*xml4ep* ver. 2.2.0
 - ✓ Reports & Opinions, Final & Draft
 - ✓ COM proposals (bills) and Acts
 - ✓ xm/4ep ver. 3.0 (draft based on LegalDocML)

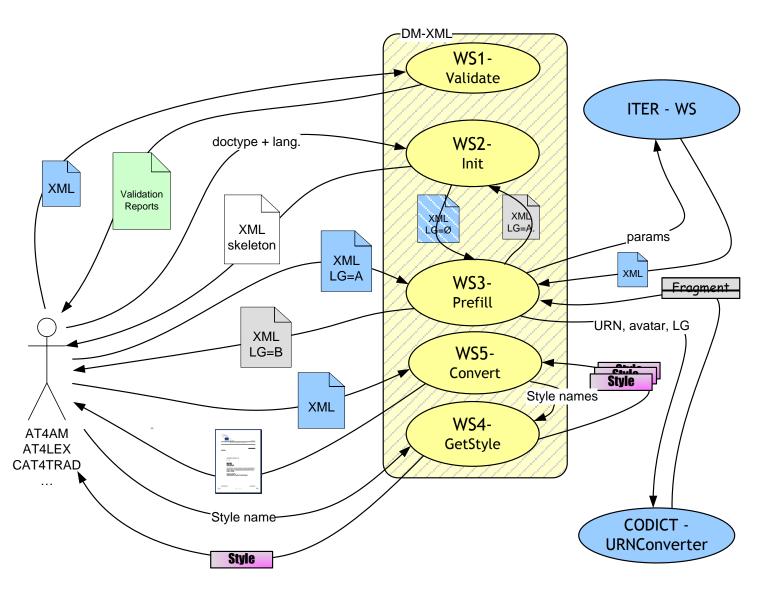
xml4ep Project (4/4)

- ✓ *xml4ep-lib*: two layers java *xml4ep* library
- ✓ *xml4ep* will also cover other domains not directly linked to OLP documents:
 - ✓ Rules of Procedure (very similar to an Act)
 - ✓ Parliamentary Questions
 - ✓Written declarations
 - ✓ Committee and Plenary Agenda
 - ✓ Plenary verbatim records
 - **√...**
- ✓ xm/4ep will move to LegalDocML after Oasis formal final adoption (4Q 2016 / 1Q 2017)

Enablers: dm-xml document models for XML

- √ Validation against xml4ep specifications
- ✓Instantiation of XML skeletons
- ✓ Pre-translation of standard text
- ✓ Rendering in PDF, Word, DocEP, ...

Enablers: dm-xml services & interactions



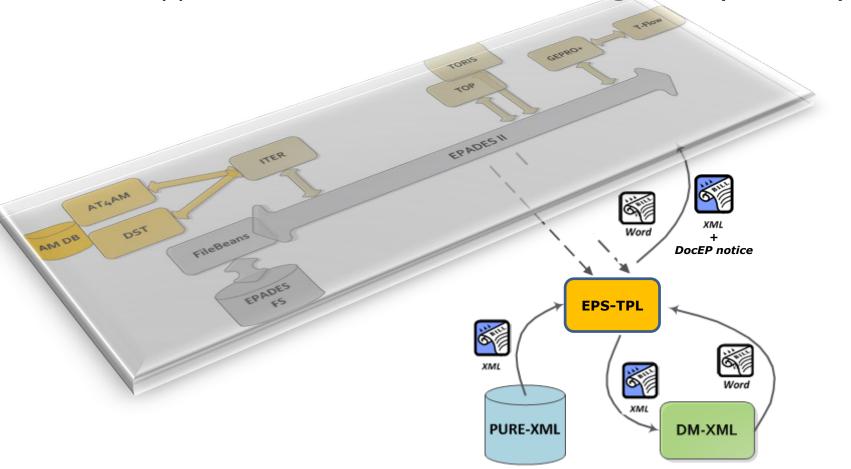
http://www.evol2wiki.ep.parl.union.eu/wiki/display/eps/4.3.+User+guide

Enablers: dm-xml services technologies

Client User interface	N
Server Presentation layer	N
Server Business layer	Spring 3.1.3 (latest production release)
Server Persistence Layer	Spring Data 1.1/JPA / HIBERNATE 4.1.7
RDB	Oracle 10gR2
Synchronous Remoting (WS, RMI)	Spring MVC 3.1.x for RESTful Web Services
Asynchronous Remoting (JMS)	N N
XML Handling	JAXP / StAX / TrAX
Cache	Ehcache 2.6.2
Security	Authentication not implemented in the current scope. Role-based authorisation will be implemented, with custom Spring-based declarative authorization.
XSLT Processor	Saxon-HE 9.3
XSLT 2.0	Saxon-HE 9.3
Other	Jackson 1.9.11 (latest official release)
Document generation	Aspose.Words for Java

Enablers: EPS e-Parliament Services

- ✓ Content storage (EPS-PSL & UDI service)
- ✓ Application and reference data integration (EPS-TPL)



Enablers: EPS e-Parliament technologies

Client User interface	N
Server Presentation layer	N
Server Business layer	Spring 3.1.3 (latest production release)
Server Persistence Layer	Spring Data 1.1/JPA / HIBERNATE 4.1.7
RDB	Oracle (latest official release)
Synchronous Remoting (WS, RMI)	Spring MVC 3.1.x for RESTful Web Services
Asynchronous Remoting (JMS)	JMS with HornetQ 2.2.X client
XML Handling	JAXP / StAX / TrAX
Cache	Ehcache 2.6.2
Security	Authentication not implemented in the current scope. Authorisation not implemented in the current scope.
XSLT Processor	Saxon-HE 9.3
XSLT 2.0	Saxon-HE 9.3
Other	Jackson 1.9.11 (latest official release)

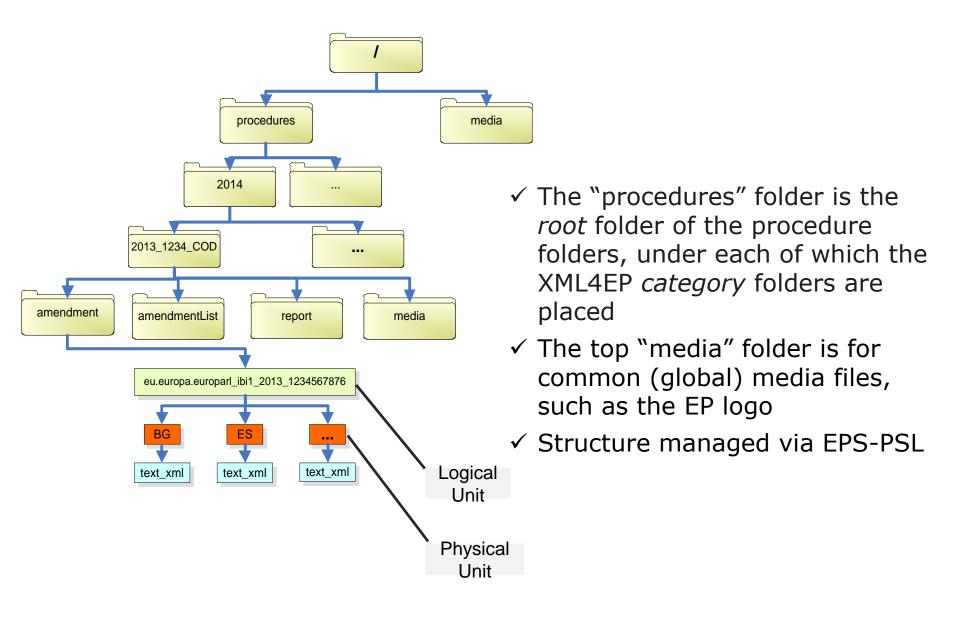
Enablers: pure-xml unique repository

- ✓Unique repository for <u>text production</u>
- ✓ Content model and API based on IRO work
- ✓ Based on Oracle XML extension
- ✓ Full Text search & extensible metadata support
- ✓ Smart labels & tags
- √ Content versioning and lifecycle support
- ✓ Open to integration via JMS event messages
- ✓ Management Console

Enablers: pure-xml technologies

JQuery 1.8
Spring MVC
-
-
Y (Spring HTTP Invoker, support for WS in the future)
-
-
Ehcache 2.5.1
JAAS and Basic authentification
Spring 3.1.0.RELEASE
Apache Maven 3.0.4
Tomcat 6.0.18
Java 1.6.0_31

Enablers: pure-xml storage structure



EPS-PSL (PURE-XML Service Layer)

PURE-XML Service Layer, also known as PSL, is a business service layer to interact with PURE-XML.

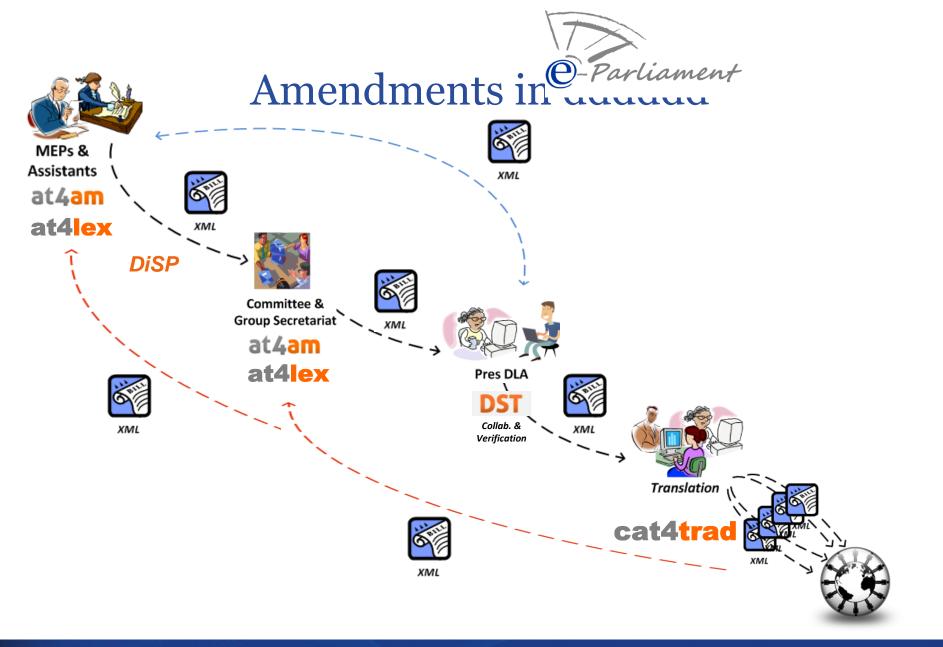
It will help you to:

- insert a new element in PURE-XML
- update a semantic version of an XML4EP document in PURE-XML
- update a linguistic version of an XML4EP document in PURE-XML
- •f etch data from PURE-XML

PURE-XML will handle for you the id generation, the id update and the repository management inside PURE-XML.

You only need to know what kind of operation you want to do, PURE-XML Service Layer will handle the rest.

http://www.purexmlcdv.ep.parl.union.eu/purexml-mc/acl/getGroups.do







Thank you...







