**Meeting on Storage : 29/11/2016**

Requirements

**BO-06 Ensure internal version & access control :** Versioning would allow many new important currently unavailable functionalities such as diffing, merging, baseline, auditing of changes, additionally it would allow to establish better access control than a file based system.

*System would prevent valuable information loss.*

**BO-01 Structured Content Exchange**: *Internal staff should be able to exchange content in a structured format with the Council and possibly other parties*

**BO-02 Edition Performance Enhancements**

**BO-09 Compatibility of the Internal Version Control with a future archiving and other content consuming solutions**

# PURE XML

**General Architecture:** External system using REST and SOA services.

**Ensure internal version control**: Pure-XML has a power full mechanism of version control allowing mayor and minor versions.

**Access control:** Athentication and Authorization based in LDAP users & groups.

**Document Search :** PURE-XML has the possibility of customized searchs depending on the type de document.

## Points of focus

**Access control :** The PURE-XML should be addapted to use the CEU central repository or users and rights.

**SLA:** Eventually the PURE-XML shoud be addaped to support the Trilogue Table Editor (TTE) SLAs.

**Performace :** The final use scenario should take into account the performace objectives.

## Other interesting fonctionalities supported by PURE-XML:

**File storage of different file types.**

**Audits of changes:** who, when, what ..

**Versioning**: minor and mayor versions.

**Document transformations and rendering.**

Collaborative drafting

Ease exchange to information with other EP systems.

## CEU Overview

CEU: Document Manager, knows users, REST & soap services and user rights.

## Functionalities not implemented

* Diffting & Merging files
* Full text search & indexing files?
* Audit on changes in a structured format.
* More flexible user rights.

# Possible Scenarios:

1. Use PURE XML as the “**main storage system”**: The performance accessing the information should be enough to avoid impacts on he user experience.
2. Use as a **“data-warehouse”** of “non-current-working-versions” (to be defined)
3. Storage des versions with all the information required to render the document.
4. Storage des versions with all the information require to send the document to the other part.

We will prevent valuable information lost because the information will be stored in to systems. We will facilitate the information exchange and we will improve the user experience.