FOSSA – Work Package 3
Open Source Software and Standards Inventory Methodology
Inventory process

1. Combination of raw software inventory data from existing databases
2. Data extraction, transformation and loading into a relational database
3. Filtering to identify the OSS
4. Use of a dashboard to identify critical software:
   - Ranking by criticality
5. Inventory of standards, cross check of:
   - standards applicable to the inventoried OSS software
   - External libraries
6. Enriching the software inventory with:
   - Metadata on dependencies
   - Info on standards
The pilot scenario of the FOSSA project can be improved in the longer term with:

- **Enlarged organizational domain**: access to more complete information sources, particularly for the European Parliament;
- **Direct, real-time inventory** through a scheduled/automated ("push") approach with agents installed on servers + use of an industrial automatic discovery and inventory tool;
- **Automatic search for additional metadata** in large internet databases;
- **Flexible filtering and ranking**: integrated dashboard with customisable ranking criteria/rules.
For more details on the inventory methodology and architecture, please refer to the project documents published at:

https://joinup.ec.europa.eu/community/eu-fossa/og_page/project-deliveries