Timeline

2014

The European Commission updates its Open Source Strategy, aiming at a greater role of OSS.

			CONTRIBUTE
		PRODUCE	PRODUCE
	USE tools	USE tools	USE tools
USE infrastructure	USE infrastructure	USE infrastructure	USE infrastructure

2000   2003   2007 - 2011   2014
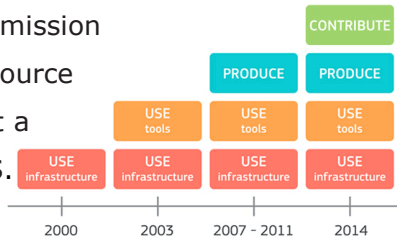
The discovery of the "Heartbleed" software bug shocks the entire IT community.
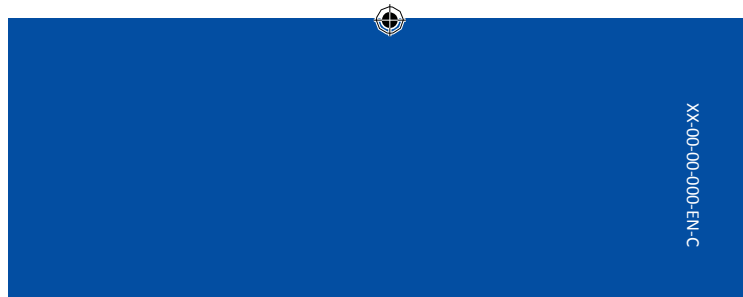
2015

The Free and Open Source Software Audit (FOSSA) pilot project to ensure the systematic security review of the free software used by the EU institutions is approved and budgeted by the European Parliament.

FOSSA
Free and Open Source Software Auditing

2016

The FOSSA project, throughout the year, compares the practices of EU Institutions and of the Open Source communities, performs an inventory of the software installed at EU level and tests a code review methodology.

XX-00-000-EN-C

For ongoing updates on FOSSA project status please visit:

https://joinup.ec.europa.eu/community/eu-fossa/home

KPMG

TRASYS
WE GET IT DONE

European Commission

FOSSA
Free and Open Source Software Auditing

# Work Package 3: Open Source Software and Standards Inventory Methodology

DIGIT – B1

DIGIT

The OSS Inventory Methodology

The FOSSA pilot project has defined a methodology to perform the inventory of Open Source Software and standards (OSS) in use at the European Parliament and the European Commission.

The methodology encompasses the identification of the pilot **inventory process** (1), the **data model** (2), the **technological architecture** (3) and the **tools** (4) to perform the inventory.

The methodology developed for the pilot inventory of the FOSSA project may be further applied for the ongoing inventory management of OSS in the European Institutions.
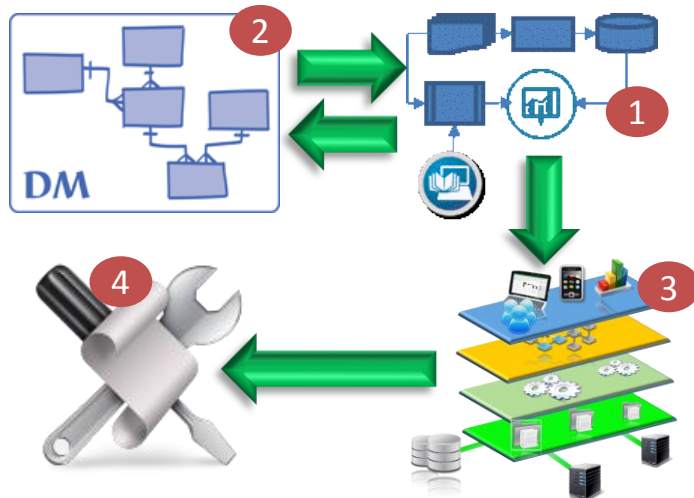
The inventory process

The inventory process defined by FOSSA:

- **collects and homogenises** diverse inventory data from different existing EU sources;

- **filters the Open Source Software** and allows its analysis through a **dedicated dashboard**;

- **combines information on software and on related standards** through the dashboard;

- integrates information on standards coming from **external libraries**.
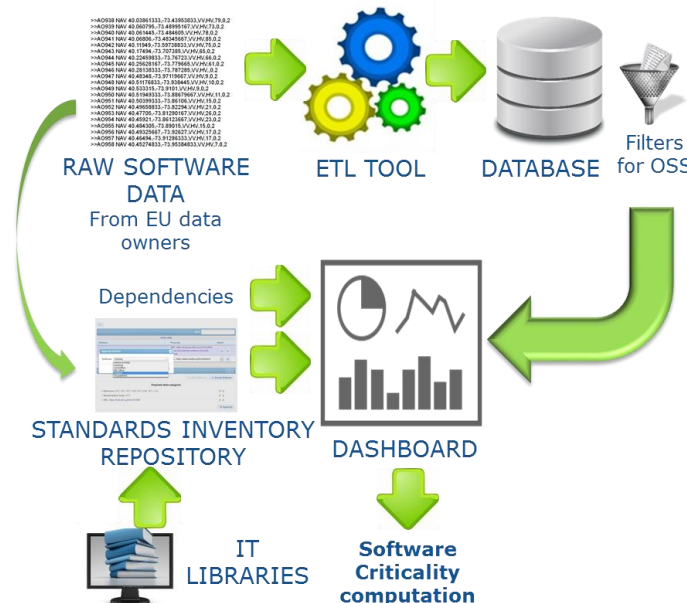
The technological architecture and the tools for the inventory

- **multi-layer architecture** flexible enough to be adapted to the different ecosystems of the EU Institutions;

- **selection of tools** based on criteria such as security, available support... to ensure the highest reliability of the architecture;

- **use of open-source tools:** consistently with the nature of the project, only open source tools have been chosen for the execution of the inventory, selected among the most reputed and widespread practices.