The Ministers call on the Commission "to consider strengthening the requirements for use of open source solutions and standards when (re)building of ICT systems and solutions takes place with EU funding, including by an appropriate open licence policy – by 2020."

"Member States commit to make more use of open source solutions [...] when (re)building ICT systems and solutions [...]"

Tallinn Declaration on eGovernment, 6/10/2017
Open Source Software Strategy

First created in 2000
Renewed every 3-4 years
Publicly available
Next iteration: 2018-2020
Proposal for a Commission Decision
Focus on OSS for Digital Transformation
OSS Strategy is about

1. OSS in product management
2. Procurement of software and OSS
3. Standards-based and interoperable software
4. OSS as default choice for systems deployed outside EC
5. Legal issues around OSS
6. Addressing governance of OSS - guidelines
7. OSS and communities
8. OSS in e-Government
9. Alignment of internal and external strategies
10. Inter-Institutional collaboration

Acquisition
Domains
Contribution
Domains
Coordination
Use in the European Commission

5 areas of OSS use at the EC

1. We use OSS in our Data Centre
   - Web servers
   - Application servers
   - Operating systems

2. We use OSS web and social tools to collaborate
   - Forums
   - Blogs
   - Content management

3. We use OSS on our desktop
   - Browsers
   - File management
   - Media players

4. We use OSS tools and methods to develop software
   - Tools
   - Libraries
   - Collaboration

5. We provide software based on OSS license
   - Citizens’ Initiative
   - EUSurvey
   - JoinUp

- Linux
- Drupal
- Firefox
- VLC
- Eclipse
- LEOS
- eAgenda
OSS Adoption Index (2014)

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<th>1.5 Proprietary desktop, but OSS browser and tools</th>
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Target
European Commission for public administrations (1)

**EUPL - European Union Public License**
A unique instrument, that everyone can use
Software accessible to everyone royalty-free
Warranty for copyright for contributors
23 official languages and EU Law compliant
Compatible with many licenses including "business friendly" i.e. no "viral" effect for derivative work: allows relicensing

**ISA²**
Open Source Observatory Repository (OSOR)
JOINUP
European Interoperability Framework
Software developed: EUSurvey, LEOS, ECI/OCS, CIRCABC, ...
The Open PM² Methodology helps to establish a common project management language and approach, increasing effectiveness, collaboration efficiency and success in the coordination of projects in the EU.

The Open PM² Initiative provides:

- Developed by the EC and funded by ISA², Open PM² is an open and free Project Management Methodology
- PM² Certification Exams available via PROMETRIC across EU-28
- Open PM² Guide available through the EU Bookshop.
- PM² Methodology Wiki available through EU Login.
- Establishment of an EU-wide Project Support Network (PSN)

Connecting Europe Facility

eDelivery

OSS developed by the European Commission
Including added-value services
Making impact in the EU policy implementation
European Commission – for Research & Innovation
Open and collaborative model – beyond software

Working together
Motivation
Community
Sharing

Share the goals
Share the work
Share the results
Tackling roadblocks for greater use

- Legacy
- Legislation
- Support
- Security

EU-FOSSA

Free and Open Source Software Auditing
Triggering point

€500M+

€1M
EU-FOSSA?

European Union

Free and Open Source Software Auditing
EU-FOSSA - the pilot project (2015-2016)

Methodology
Inventory of FOSS used at the EC
Developer communities
Public survey
Formal code reviews
Methodology used for OSS criticality
Public survey

- Apache HTTP Server (18.7%)
- KeePass (23.1%)
- Other (11.3%)
- Apache Commons (0.5%)
- Firefox (0.5%)
- WinSCP (0.6%)
- OpenSSH (0.7%)
- Notepad++ (0.7%)
- FileZilla (0.9%)
- ElasticSearch (1.9%)
- OpenSSL (2.0%)
- VeraCrypt (2.0%)
- Drupal (2.2%)
- BouncyCastle (2.6%)
- Tomcat (2.6%)
- Git client (4.1%)
- 7-Zip (4.2%)
- MySQL (4.3%)
- Linux (or a component thereof) (8.6%)
  - glibc: 3.0%
  - kernel: 1.7%
  - VLC Media Player (8.8%)
Code reviews
EU-FOSSA pilot project - lessons learned

Positive reaction

Code reviews useful (but...)

What about fixing bugs?

Improve communication and cooperation with communities

Methodology works
The EU-FOSSA journey

Initiative ➔ Pilot Project ➔ Preparatory Action ➔ Standing EU activity

EU-FOSSA 2 – the preparatory action (2017-2019)

EU-FOSSA 2

2017-2019
Increased Budget
Expanded scope
New ideas

€2.6M

MEP photos: European Parliament
What's new in EU-FOSSA 2?

Scope – coverage, methods, activities

Bug Bounties

Hackathons

Fixing already known bugs

Closer cooperation with developer communities

Improved communication programme
Bug Bounty programme

Proof of concept
- First time in EU institutions
- 6 weeks
- 28 active participants
- 6 bounties paid

Main programme
- ~15 activities
- >1 M€ budget
- Critical OSS used by EU institutions
- Including high rewards
Hackathons and innovative ways to improve software
More communication

- Awareness about EU-FOSSA 2
- Awareness about the importance of software security in general
- Listening to you
How we can work together?

We invite you to:

• Submit software candidates for security audits
• Submit software candidates for fixing security vulnerabilities and associated mechanisms
• Participate in Bug Bounties
• Participate in Hackathons
• Exchange ideas of how to improve FOSS security
So, what is there for Drupal?

Bug bounties

Hackathons

Contribution
The ultimate goal

Improve security of open source software

EU institutions working with open source software communities

Make investment into the security of open source software a permanent action of the EU
Thank you!

DIGIT-OSS-STRATEGY@ec.europa.eu