

USERS

Open Source Software @EC and EU-FOSSA 2

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DEVELOPMENT

MEDIA

NNOVATION

Open Source Summit Europe 2018 Edinburgh, 22-24 October 2018



Agenda

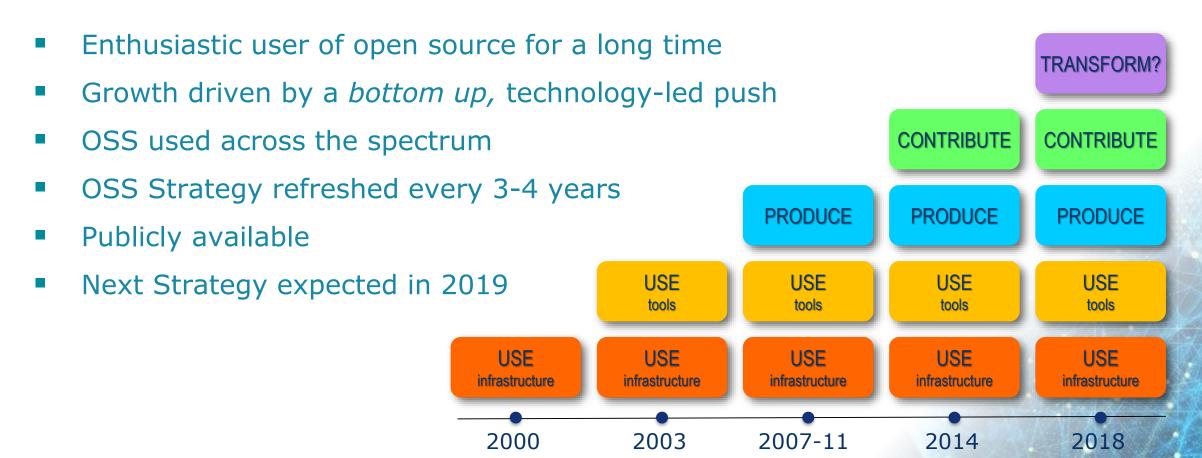
- Open source software at the European Commission
- EU-FOSSA 2
- Q&A



Open source software at the European Commission



Wide OSS use at EC via bottom-up push





Areas of use



Data Center

Web servers

Application servers

Operating Systems





Web and social tools to collaborate

Forums

Blogs

Content Management





Desktop

Browsers

File Management

Media Players







Tools and methods to develop software

Tools

Libraries

Collaboration





PRODUCE

Software based on ODD license

Citizen's Initiative

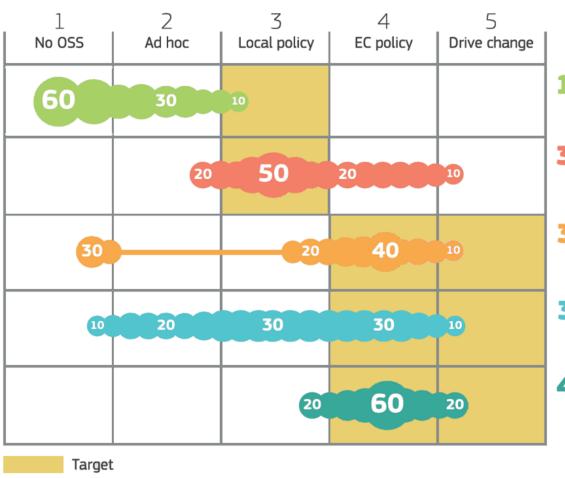
EUSurvey

JoinUp





OSS adoption index (2014)



1.5 Proprietary desktop, but OSS browser and tools



3.2 Local adoption and Linux global policy



Dual policy for internal and external tools



Important usage of OSS frameworks and libraries



4 EC produced software distributed on OSS



Existing OSS Strategy: a publicly available "Decalogue"

1. OSS in product management

Acquisition

- 2. Procurement of software and OSS
- 3. Standards-based and interoperable software

Domains

- 4. OSS as default choice for systems deployed outside EC
- 5. Legal issues around OSS
- 6. Addressing governance of OSS guidelines

Contribution

- 7. OSS and communities
- 8. OSS in e-Government

Domains

- 9. Alignment of internal and external strategies
- 10. Inter-Institutional collaboration

Coordination



Frameworks for collaboration with other public organisations









EUPL - European Union Public License

- In 23 official languages
- EU law compliant

ISA²

- Open Source Observatory Repository (OSOR)
- JoinUp
- European Interoperability Framework
- OSS developed: EUSurvey, LEOS, ECI/OCS, CIRCABC, ...

Open PM²

- Common project management language
- Increase collaboration efficiency and success rate
- Certification
- Guide freely available

Connecting Europe Facility

Targeted infrastructure investment

eDelivery

- Open technical specifications
- OSS and added value services





For Research and Innovation





Increasing top-down policy push

New European Interoperability Framework, 23/03/2017



Rec. 2: adoption of Open Source Software as enabler of reusability

Tallinn Declaration on eGovernment, 6/10/2017

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 [...]"



Drivers for a new OSS strategy





Comprehensive 2018-2021 Open Source Software Strategy



Next OSS Strategy

Policy in other public administrations

Licencing and IPR

Action within public administrations

Developer communities

Technology and community trends

OSS thinking/practices within the EC



Comprehensive 2018-2021 Open Source Software Strategy



Tackling roadblocks for greater use

- Legacy
- Legislation
- Support
- Security





Tackling roadblocks for greater use

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European Union Free and Open Source Software Auditing







EU-FOSSA journey

Initiative

Pilot project

Preparatory Action Standing EU activity

EU-FOSSA (2015-2016)











2,6M€



EU-FOSSA - the pilot project (2015-2016)

Approach

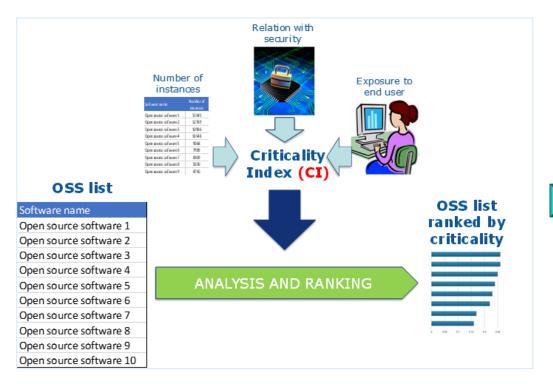
- Methodology
- Inventory of FOSS used at the EC
- Developer communities
- Public survey
- Formal code review

Lessons learned

- Methodology works
- What about fixing bugs?
- Improve cooperation with communities
- Positive reaction
- Code reviews useful (but...)



EU-FOSSA - OSS criticality ranking



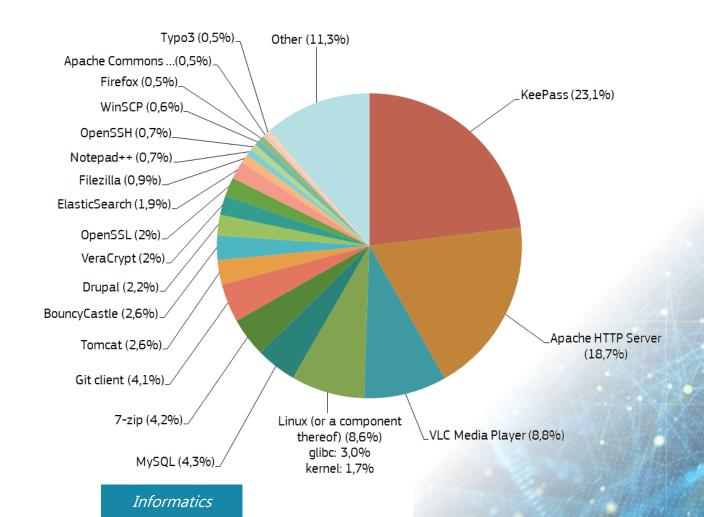






EU-FOSSA - public survey

- June 2016
- 3282 participants





EU-FOSSA 2 (2017-2019)

What is new?

- Increased scope
- Bug Bounties
- Hackathons
- Fixing already known bugs
- Closer cooperation with developer communities
- Improved communications programme



EU-FOSSA 2 - Bug Bounty programme

Proof of concept

- First time in EU institutions
- 28 active participants

Main programme

- ~20 activities
- Critical OSS used by EU institutions

- 6 weeks
- 6 bounties paid

- >1 M€ budget
- Including high rewards



EU-FOSSA 2 - cooperation with communities

Proof of concepts

- Hackathons
- Improving software

More communication

- Awareness about EU-FOSSA 2
- Awareness about the importance of software security in general
- Listening to you





EU-FOSSA 2 - 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

