



Drupal Europe Conference

Open Source Software at the European Commission

EU-FOSSA 2

European Commission – policy supporting OSS



Recommendation 2: adoption of Open Source Software as enabler of **reusability**

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

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."

Use in the European Commission



Open Source Software Strategy

First created in 2000

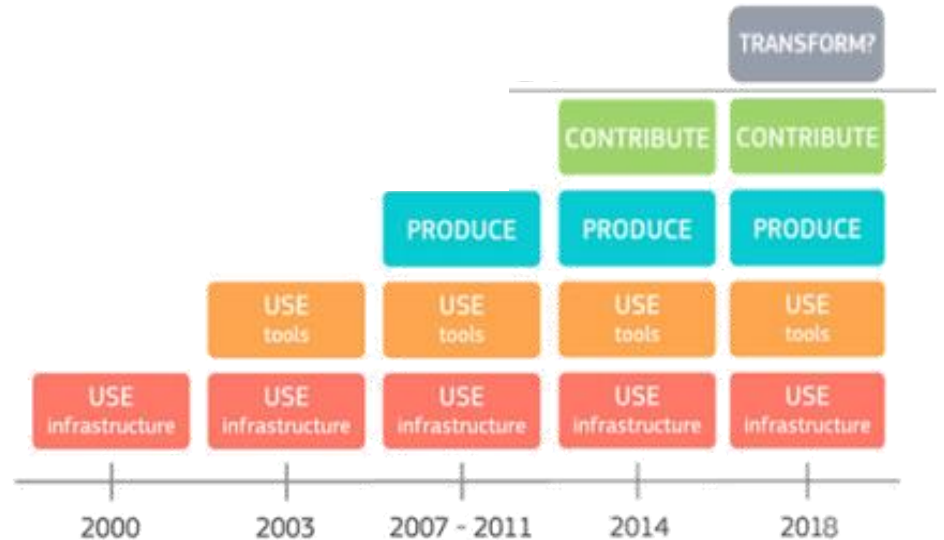
Renewed every 3-4 years

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

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

Coordination

10. Inter-Institutional collaboration

Use in the European Commission

5 areas of OSS use at the EC

				
1 We use OSS in our Data Centre	2 We use OSS web and social tools to collaborate	3 We use OSS on our desktop	4 We use OSS tools and methods to develop software	5 We provide software based on OSS license
Web servers	Forums	Browsers	Tools	Citizens' Initiative
Application servers	Blogs	File management	Libraries	EUSurvey
Operating systems	Content management	Media players	Collaboration	JoinUp

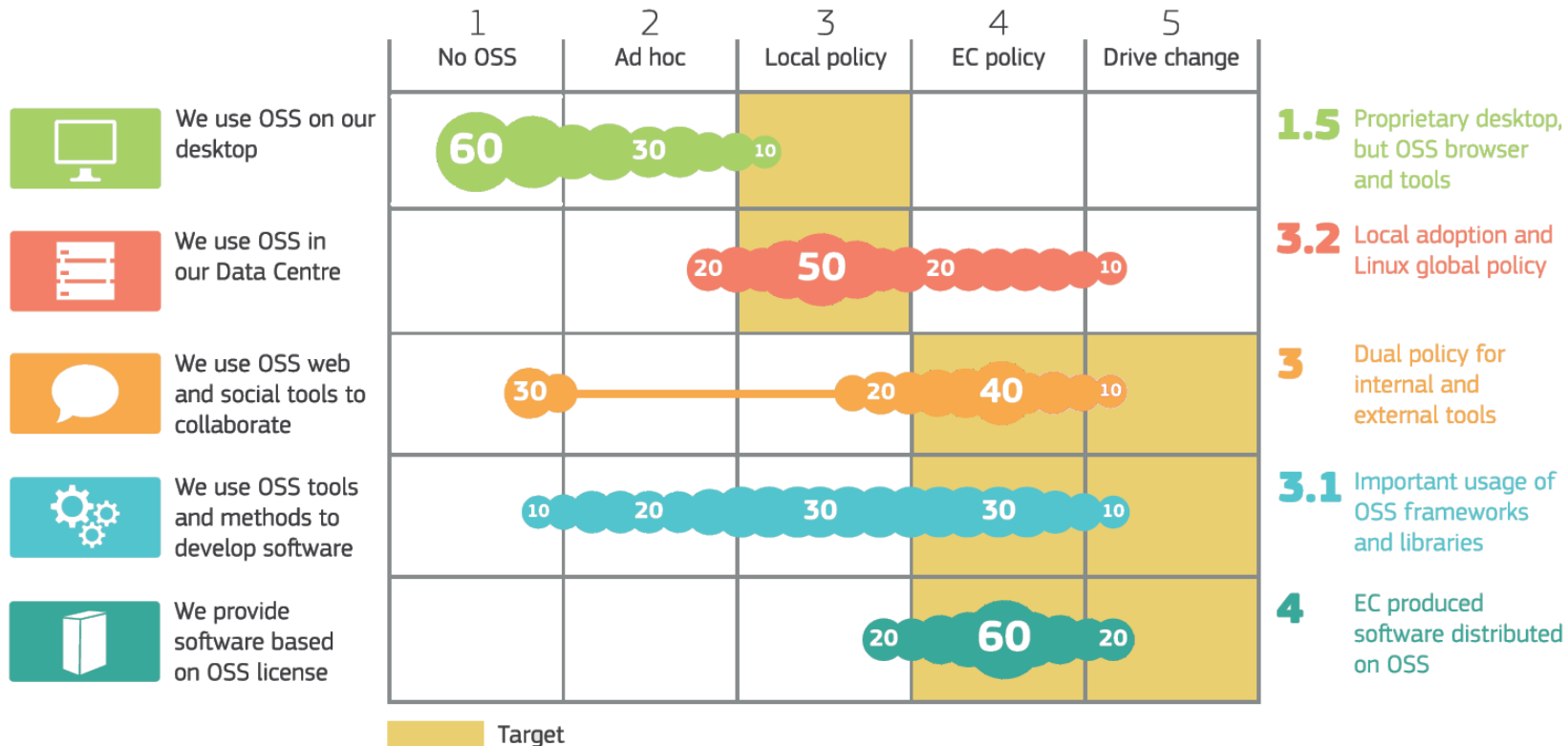


LEOS

eAgenda



OSS Adoption Index (2014)



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, ...



European Commission for public administrations (2)



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)

European Commission for public administrations (3)

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



Tackling roadblocks for greater use

- Legacy
- Legislation
- Support

• **Security** → EU-FOSSA





FOSSA

Free and Open Source Software Auditing

Triggering point



€500M+



€1M



EU-FOSSA ?

European
Union

Free and
Open
Source
Software
Auditing

EP Pilot project n° 645



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

EU-FOSSA



Methodology

Inventory of FOSS used at the EC

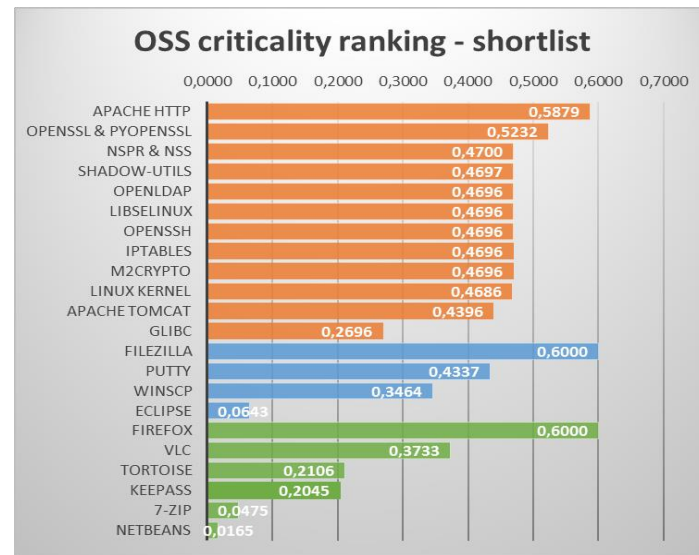
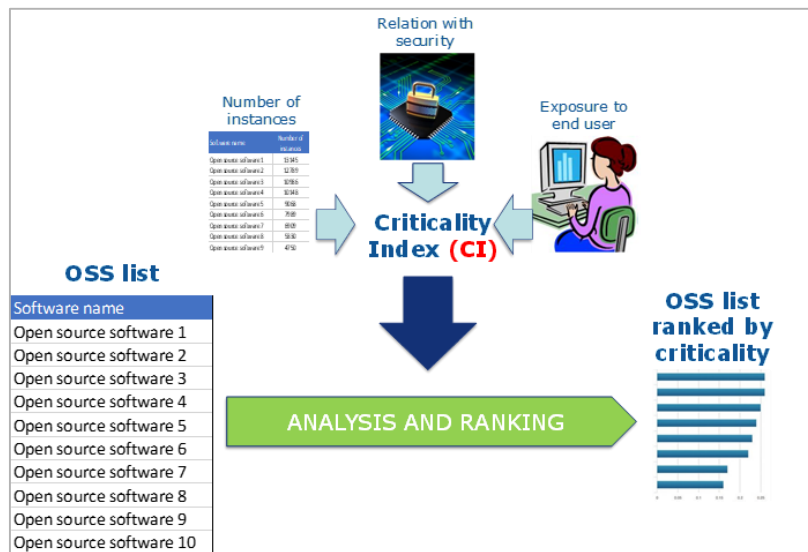
Developer communities

Public survey

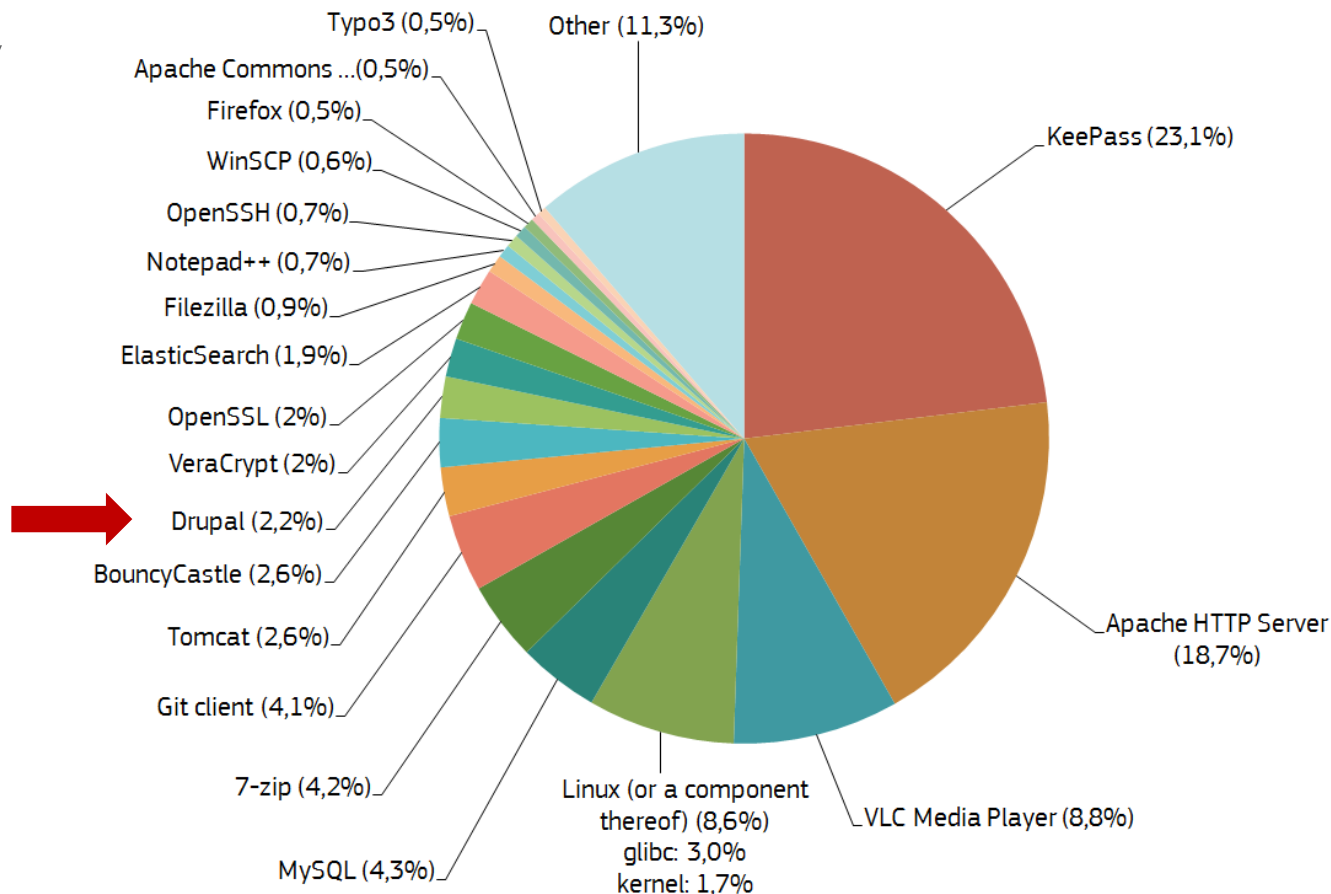
Formal code reviews



Methodology used for OSS criticality



Public survey



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



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

EU-FOSSA 2



2017-2019
Increased Budget
Expanded scope
New ideas



€2.6M



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

Code reviews



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



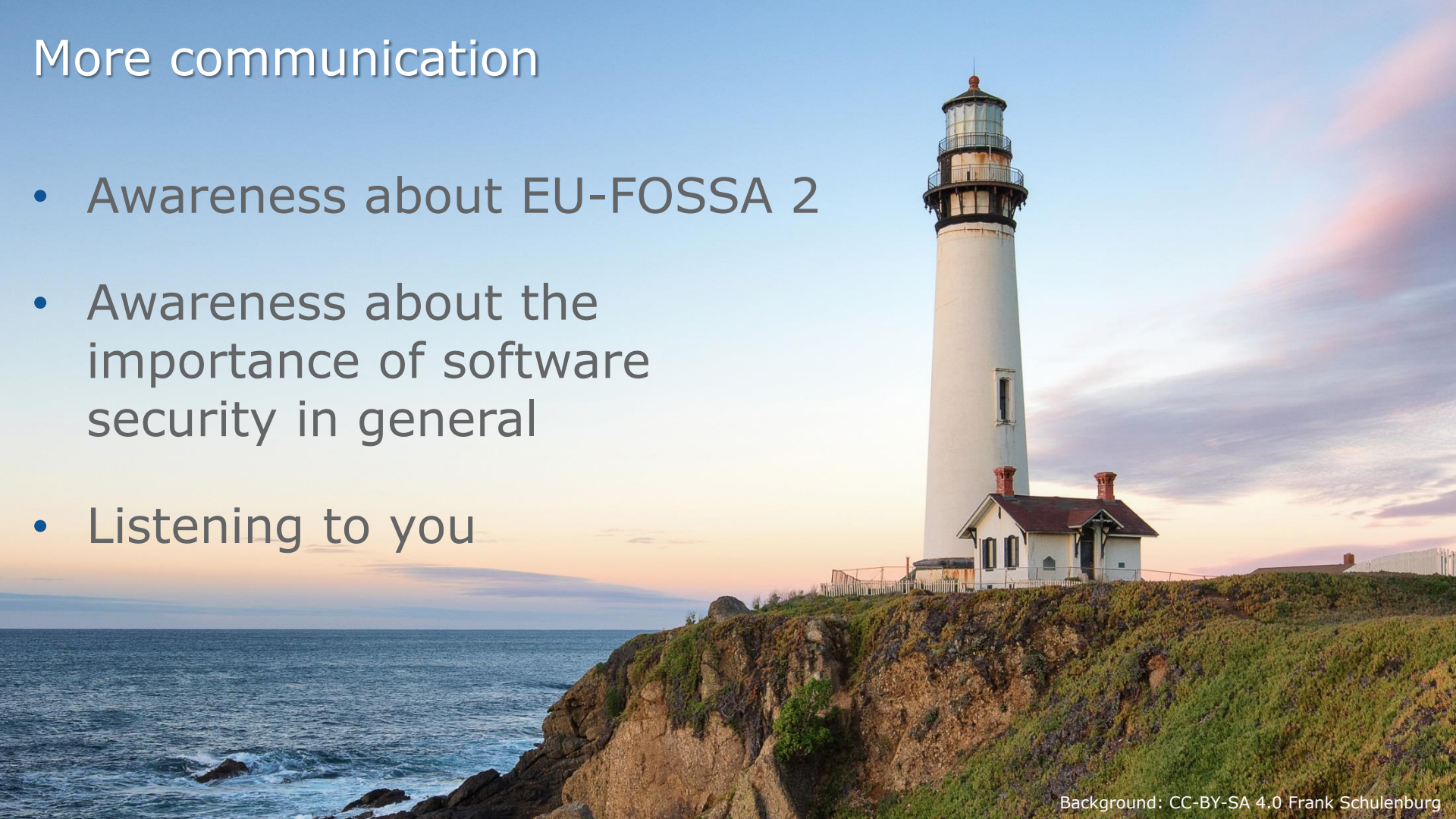
Hackathons and innovative ways to improve software




- Wikipedia
- Researcher
- Artist
- Data Provider
- GLAM

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



Drupal



A person with dark hair, seen from the back, is holding a bow and arrow, aiming towards a target in the distance. The background is a grassy field with trees and a building under a cloudy sky.

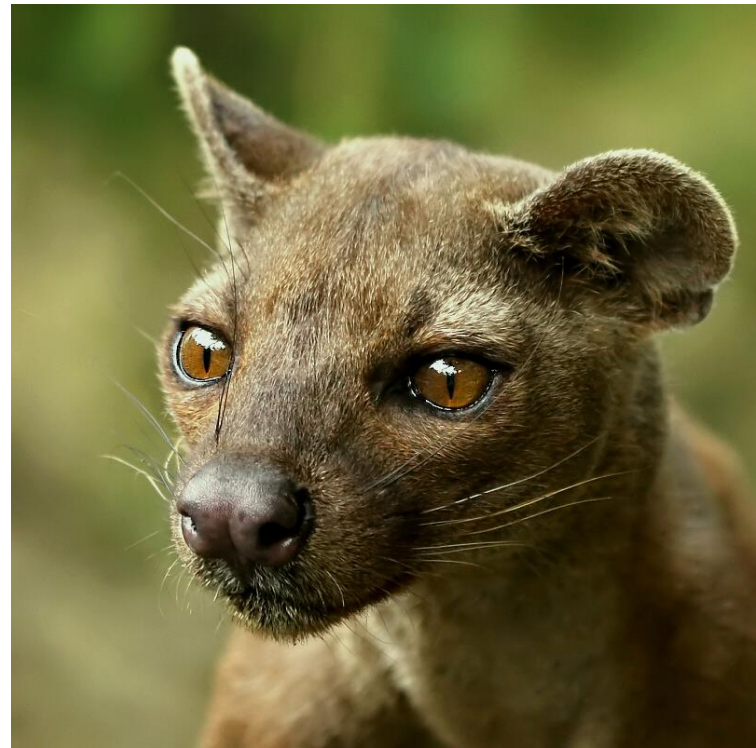
The ultimate goal

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!



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<https://joinup.ec.europa.eu/collection/eu-fossa-2>