Recent developments at EC on open source
Commission’s Journey on Open Source

- 2000: USE infrastructure
- 2003: USE tools
- 2007: USE infrastructure
- 2014: USE tools
- 2020: USE infrastructure

Steps:
- Produce
- Contribute
- Transform
# Action Plan

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Set up an Open Source Programme Office</td>
</tr>
<tr>
<td>2</td>
<td>Set and promote inner source as default</td>
</tr>
<tr>
<td>3</td>
<td>Enhance software repository</td>
</tr>
<tr>
<td>4</td>
<td>Revise software distribution practices</td>
</tr>
<tr>
<td>5</td>
<td>Enable and generate innovation with open source labs</td>
</tr>
<tr>
<td>6</td>
<td>Develop skills and recruit expertise</td>
</tr>
<tr>
<td>7</td>
<td>Increase outreach to communities</td>
</tr>
<tr>
<td>8</td>
<td>Integrate open source in internal IT Governance</td>
</tr>
<tr>
<td>9</td>
<td>Ensure security</td>
</tr>
<tr>
<td>10</td>
<td>Encourage and promote inner source</td>
</tr>
</tbody>
</table>
Action 1 – Create an OSPO
OSPO created

Open source communities

Pilot Projects and Preparatory actions

Think Open

Open Source Strategy

OSPO network

European Parliament

Open Source Strategy

European Commission
Action 2 - Inner Sourcing
We share more code internally

Achievements
- More than 30% of internal repositories open (3x increase compared to 2021)

Objectives for the years to come
- Continue monitoring projects for inner sourcing
- Increase 5% every year until we get to 90%
Action 3 - Open Sourcing
We share more code externally

**Usage Trends**

<table>
<thead>
<tr>
<th>Projects</th>
<th>Groups</th>
<th>Users</th>
<th>Issues</th>
<th>Merge requests</th>
<th>Pipelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>416</td>
<td>137</td>
<td>2,051</td>
<td>3,346</td>
<td>5,971</td>
<td>112,243</td>
</tr>
</tbody>
</table>

**Evolution on the number of projects and users in code.europa.eu since its official launch**

1) VECTO [https://code.europa.eu/groups/vecto/-/wikis/home](https://code.europa.eu/groups/vecto/-/wikis/home)
2) LEOS [https://code.europa.eu/leos](https://code.europa.eu/leos)
3) eDelivery [https://code.europa.eu/edelivery](https://code.europa.eu/edelivery)
4) eSignature DSS [https://code.europa.eu/esignature-dss](https://code.europa.eu/esignature-dss)
7) AGRI4CAST -
9) EBSI (European Blockchain Service Infra) [https://code.europa.eu/ebsi](https://code.europa.eu/ebsi)
Action 4 – Removal of Legal barriers
We can publish our code faster

Register of Commission Documents
Welcome to the Register of Commission documents.
Here you can find various types of Commission documents such as proposals, impact assessments, communications, delegated and implementing acts and other Commission decisions, agendas and minutes of meetings held by the College of Commissioners.

COMMISSION DECISION on the open source licensing of Commission software

<table>
<thead>
<tr>
<th>Document type</th>
<th>Decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>C(2021)8759</td>
</tr>
<tr>
<td>Date</td>
<td>08/12/2021</td>
</tr>
<tr>
<td>Responsible service</td>
<td>Joint Research Centre</td>
</tr>
</tbody>
</table>

Before decision

After decision

Time needed to get approval for publishing the code as open source
Action 5 – Open Source Labs
We have a framework to test open source

Achievements
- Provisioning of infrastructure
- Governance and processes defined
- Launch of 3 labs: Jitsi, CryptPad and Discourse

Link to the request form
Action 7 - Outreach
Commission present in open source ecosystem

Bug Bounties
- Collabora Online
- Dynare
- jupyter
- WIKI
- odoo
- CryptPad
- LibreOffice
- Moodle
- Element
- Zimbra
- ebsi

Hackathons
- Nextcloud
- jitsi
- X-ROAD

.Initiatives
- Open Source Workshops for Computing & Sustainability
- Discover our European Open Source Solutions
Action 8 – Integrate open source in IT Governance
Open source present in our IT governance

Openness and transparency

*How will the solution be designed to ensure that the data can be shared with other IT systems or made open to the public, e.g., published on the Open Data Portal or using open-source standards? Will the solution increase transparency of information to other stakeholders?*

The solution itself will be open source. It will be designed and implemented to support the open access policy of the European Commission and therefore will only host open access publications and open peer reviews. It will follow the open source principles of the Apache 2.0 license.
Impact for Commission

- Now, we consider open source at the early stages of a project
- The software we develop is becoming more secure
- Developers start looking/reusing code from other projects internally
- Development teams can now open their code easily (no legal barriers)
- We start receiving third party code contributions
- Cost savings: GitLab Ultimate used for code.europa.eu at €0 cost license
- Improved compliance: more software IP assets declared in our registry

The Open Source Strategy is already having an effect

Efforts will be pursued in the next strategy iteration
European Open Source Solutions Catalogue

- Implements publiccode.yml data standard
- Fetches data from national catalogues
- Possible to add projects manually

code.europa.eu
An open source software is considered as Critical Software, if it is important to an organisation (i.e., it is needed to deliver key services) and is at risk due to a lack of support from an external/external support organisation, or from an inability of its parent software community to guarantee its long-term upkeep, evolution, and maintenance."
Thank you!

DIGIT-OSPO@ec.europa.eu

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