→ EO OPEN SCIENCE 2017

#EO #OpenScience
FOSTERING OPEN SOURCE SOFTWARE RESOURCES FOR GEOSPATIAL DATA EXPLOITATION IN EUROPE

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25-28 September 2017
Hypothesis

Context

R&D

private

gov

redundancy
EARSC Concept Paper:
Industry-led Repository of Open Source Resources for Geospatial Data Exploitation
What did we do?

EARSC working group

CGI, CS, E-geos, Geomatrix, GMV, Neuropublic, Pixalytics, Space applications, Terrasigna, Rasdaman
studies to understand the open source environment and what would EARSC’s role be

status on existing organizations
overview of open source solutions
business model/technical implementation
Governance of such an initiative
conclusions and recommendations for EARSC
## Open Source organizations out there

<table>
<thead>
<tr>
<th>Foundation</th>
<th>Type</th>
<th>Own license</th>
<th>Other licenses</th>
<th>integration process for external projects</th>
<th>Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache Software Foundation (1985)</td>
<td>non-profit organization</td>
<td>Apache License V2</td>
<td>no</td>
<td>yes</td>
<td>ApacheCon</td>
</tr>
<tr>
<td>Free Software Foundation (1999)</td>
<td>non-profit organization</td>
<td>GNU General Public License</td>
<td>no</td>
<td>no</td>
<td>LibrePlanet</td>
</tr>
<tr>
<td>Open Geospatial Foundation (2006)</td>
<td>non-profit organization</td>
<td>no</td>
<td>licenses approved by the Open Source Initiative</td>
<td>yes</td>
<td>FOSS4G, global and regional events</td>
</tr>
<tr>
<td>Mozilla Foundation (2003)</td>
<td>non-profit organization</td>
<td>Mozilla Public License</td>
<td>no</td>
<td>no</td>
<td>Mozilla Festival, MozCamps, Mozilla Summit</td>
</tr>
<tr>
<td>OpenStreetMap Foundation (2004)</td>
<td>non-profit organization</td>
<td>Open Data Commons Open Database License</td>
<td>no</td>
<td>no</td>
<td>State of Map</td>
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<tr>
<td>Eclipse Foundation/LocationTech (2013)</td>
<td>non-profit organization</td>
<td>Eclipse Public License</td>
<td>Apache License v2, MIT license</td>
<td>yes</td>
<td></td>
</tr>
</tbody>
</table>
Open Source Environment for Geospatial
Open Source Environment for Geospatial Solutions!!!
Open Source Environment for Geospatial
Open Source Environment for Geospatial
Open Source Environment for Geospatial
Open Source Environment for Geospatial
Open Source Environment for Geospatial

http://pathfinder.terrasigna.com/oss/
Open Source Environment for Geospatial

What did we discover?

Open source for geospatial is a healthy, mature environment. Developed and maintained solutions cover all cycles of EO/geospatial data processing and visualisation.
Open Source Environment for Geospatial

What did we discover?

Open source for geospatial is used internationally, in more and more projects and initiatives.
In the open source world, a clear transparent governance model is crucial.
What did we discover?

So is licensing.
The most important aspect of any open source project, including relevant foundations is THE COMMUNITY.
Following the Open Source Initiative working group, EARSC together with its partners, analysis the possibility of implementing an European Open Source Initiative
Thank you!
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