CLARIN-DSpace upgrade

Jozef Mišutka, LINDAT/CLARIAH-CZ
• Czech CLARIN
  • EU infrastructure, ERIC
• data repository since 2011
  • based on DSpace
• domain specific for linguistics
• CoreTrustSeal certification
• CLARIN B centre certification
clarin-dspace

- based on DSpace 5 (2015-2018)
  - **Security Updates**: Provided for the most recent three (3) major releases of the platform.
  - current stable release 7.2
  - [https://wiki.lyrasis.org/display/DSPACE/Releases](https://wiki.lyrasis.org/display/DSPACE/Releases)
- outdated technology (but still working!)
  - cocoon + xmlui + java
  - frontend
funded by

• supervised by **LINDAT/CLARIAH-CZ**
• partially outsourced
upgrade analysis

• v5
  • only security fixes
  • no support once after DSpace 8 (vague roadmap?)

• v6
  • security fixes
  • no support once after DSpace 9
  • no new features applicable to data repositories

• v7
  • complete overhaul of the frontend
  • single frontend
  • latest technologies used - angular
  • configurable entities, video/image content streaming, IIIF, signposting, resourcesync
  • stable REST api
### upgrade plan/current state

- 9 tasks with several subtasks
  - e.g., PIDS, license information
- already started
- proper unit tests
- up to date devops

<table>
<thead>
<tr>
<th>Submission Extension</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
<th>yes</th>
<th>partly</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
<th>yes</th>
<th>partly</th>
<th>yes</th>
<th>partly</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong>: 9</td>
<td>26</td>
<td>8</td>
<td>0</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

- **PIDS**:
  - already started
  - proper unit tests
  - up to date devops
  - e.g., PIDS, license information

<table>
<thead>
<tr>
<th>PIDS</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>26</td>
<td>8</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Statistics</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>26</td>
<td>8</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Licensing Framework</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>26</td>
<td>8</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lookups/search</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>31</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data downloads</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>33</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AAI using libraries</th>
<th>yes</th>
<th>partly</th>
<th>completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>33</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

- **Total**: 94.1%
roadmap

- CLARIN DSpace IG (interest group)
  - slack #dspace channel
- DSpace IG meeting in OXFORD (hosted by CLARIN-UK)
  - at the end of this year
  - announced at #dspace
Thank you