Reinventing the Wheel? - The Case for the Development of an alternative DSpace Submission Assistant for Psychological Science

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PsychArchives

- disciplinary repository for psychological science maintained by ZPID (Leibniz Institute for Psychology Information)
- online since December 2018
- DSpace 6.3 with jspui
- assigns DOIs

https://www.psycharchives.org
DSpace Submission Interface

no use for default DSpace Submission, because ...

● as a comprehensive information infrastructure provider, we do not have a well-defined user base
● DSpace Submission (jspui) is not (easily) customizable for our context
● with DSpace 7 everything will change...
Reinvent the wheel to...

- improve the metadata quality
- implement PsychArchives as data provider for other services
- DRO reuse

→ better support for FAIR principles (Findable, Accessible, Interoperable, Reusable)
Features we need

- simple interface for the user with a reuse of metadata
- upload of interlinked items
- better ORCID integration as it is possible with DSpace 6.x
- possibility to connect the submission assistant to another repository backend, e.g. a new DSpace version
semi-automatic bundling of uploaded files to items

edit metadata for related objects
specific metadata fields for DRO type

interlinked items in DSpace
Architecture

- developed with PHP7
- deep ORCID integration
- interfaces to 3rd party systems to exchange metadata
- communication with repository via REST-API
Thank you!