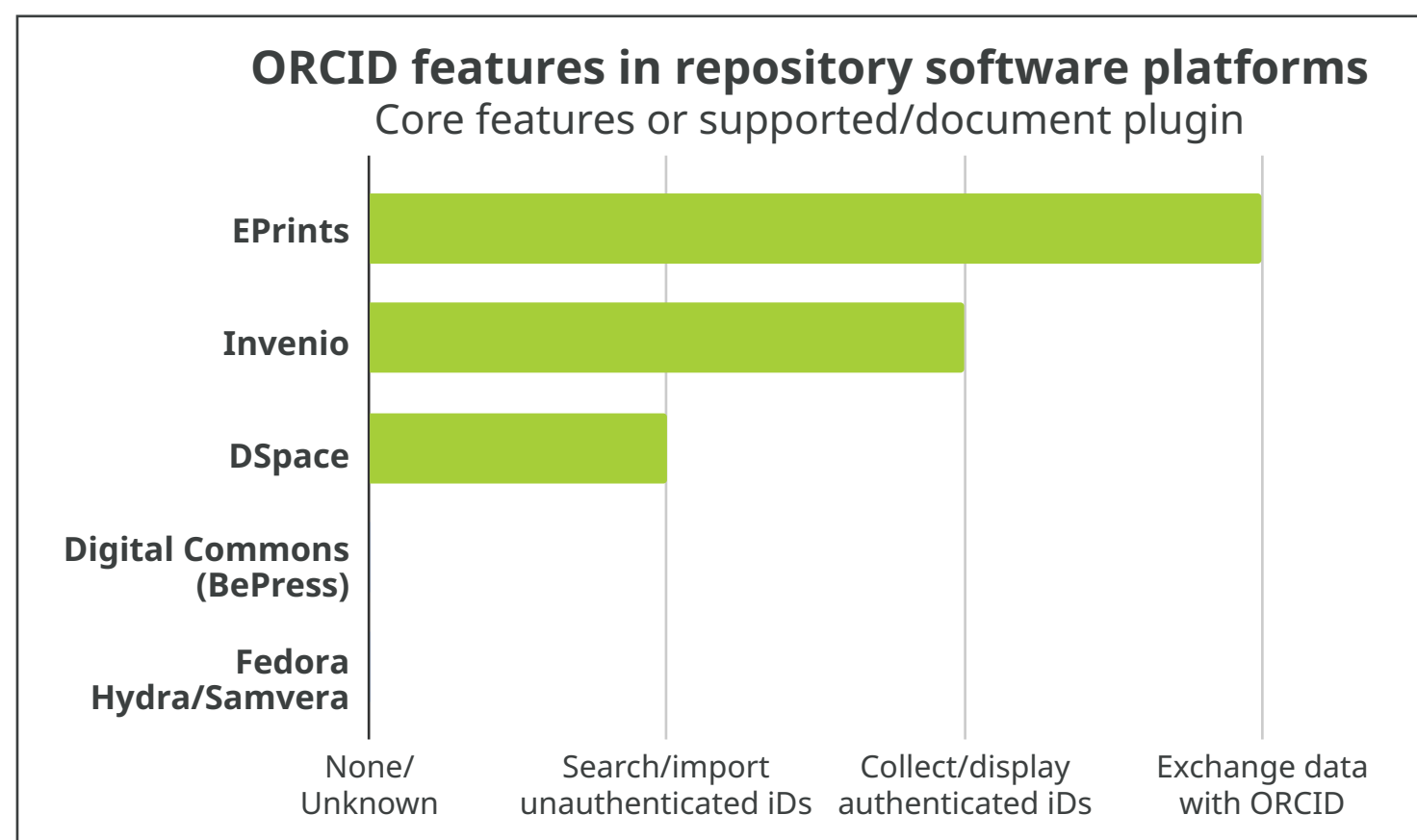# Working together to make ORCID work for repositories!

CHALLENGE: It's hard to use ORCID in repository software
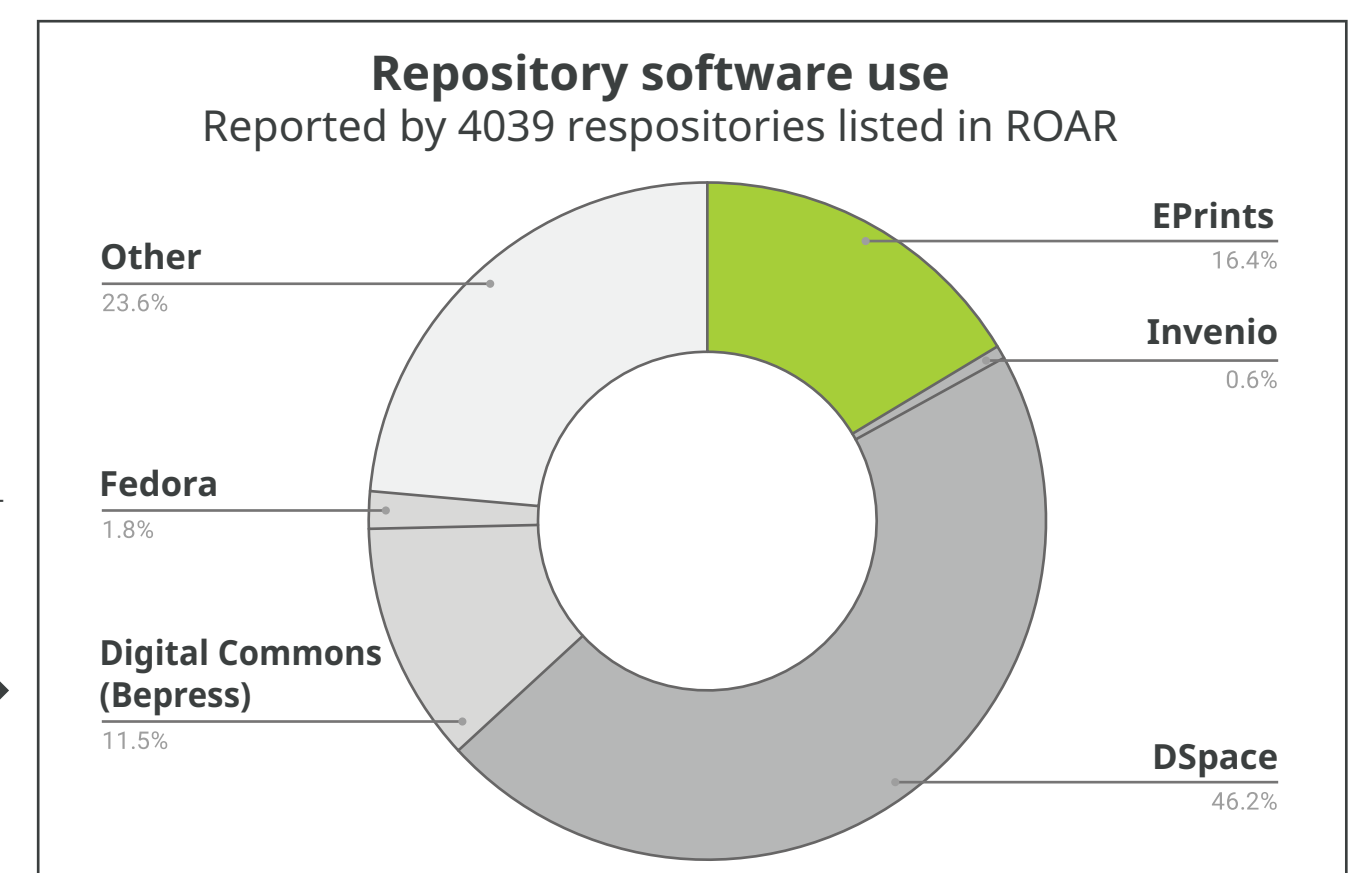
ORCID features in repository software platforms
Core features or supported/document plugin

EPrints
Invenio
DSpace
Digital Commons (BePress)
Fedora Hydra/Samvera

None/Unknown | Search/import unauthenticated iDs | Collect/display authenticated iDs | Exchange data with ORCID

Common repository software platforms don't offer many ORCID features

"ORCID Support." *EPrints Wiki*. https://wiki.eprints.org/w/ORCID_Support. Accessed 8 May 2019.
"Login with ORCID." *Invenio v3*. https://invenio.readthedocs.io/en/latest/orcid-login.html. Accessed 8 May 2019.
"ORCID Integration." *DSpace 6.x Documentation*. https://wiki.duraspace.org/display/DSDOC6x/ORCID+Integration. Accessed 8 May 2019.
"[DEPRECATED] A Rails engine for orcid.org integration." Github repository. https://github.com/samvera-deprecated/orcid . Accessed 8 May 2019.
"Behind the Scenes at bepress: Improving Customer Experience with Investments in Infrastructure and Security." *bepress Development Blogs* (23 Jan 2018). https://www.bepress.com/behind-scenes-bepress-improving-customer-experience-investments-infrastructure-security. Accessed 8 May 2019.

Few repositories use a software platform that supports collecting authenticated iDs and exchanging data with ORCID

"Browse by repository software." *Registry of Open Access Repositories*. http://roar.eprints.org/view/software . Accessed 8 May 2019.

Repository software use
Reported by 4039 respositories listed in ROAR

Other 23.6%
EPrints 16.4%
Invenio 0.6%
Fedora 1.8%
Digital Commons (Bepress) 11.5%
DSpace 46.2%

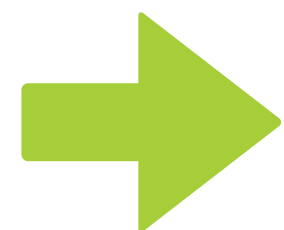## APPROACH: Define common community needs

GOAL: Create recommendations for repository platform developers that ensure a consistent base level of support for ORCID, allowing repository administrators to implement ORCID effectively 'out of the box'.

Aug-Dec 2018
ORCID in repositories task force
15 repository experts from 12 countries

Oct-Nov 2018
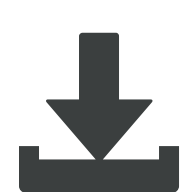**Public discussion**
30 participants via Google Docs

Feb 2019
Recommendation published
https://doi.org/10.23640/07243.7777274
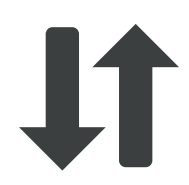

OUTCOMES: What features does the community want?

COLLECT ORCID iDs
Support collecting authenticated ORCID iDs and permission to update users' ORCID records. Also support other ways of obtaining ORCID iDs, including in mediated deposits and bulk uploads by repository managers, as well as automated deposits from other systems.

DISPLAY ORCID iDs
Support displaying ORCID iDs wherever user/contributor information is displayed. ORCID iDs that have not been authenticated by their owner should be displayed slightly differently from those that have been authenticated.

EXCHANGE DATA WITH ORCID
Support pulling and pushing information to and from ORCID, including publications, affiliations, and other info when available.

CONFIGURATION OPTIONS
Allow administrators to configure ORCID features to meet their local needs. Also provide testing and logging features, and documentation.

INCLUDE iDs IN MACHINE-READABLE OUTPUTS
Support exposing ORCID iDs in metadata outputs, such as OAI-PMH XML, wherever possible

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NEXT: Encourage adoption of community recommendations

ORCID is now engaging with vendors and open-source providers, encouraging them to adopt the community recommendations for supporting ORCID in repository platforms, and to meet ORCID's best practice guidelines.
You can help by contacting your vendors, user groups, and open-source communities to voice your support!

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