

Dataverse Community Call - Oct 7

# Open Journal Systems (OJS) and Dataverse integration plugin

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# OPEN JOURNAL SYSTEMS

- ✦ Free web-based software for managing and publishing technical and scientific journals
- ✦ Developed by PKP (Public Knowledge Project) in collaboration with the community
- ✦ The most widely used software by Brazilian journals and is extensively used in several countries.

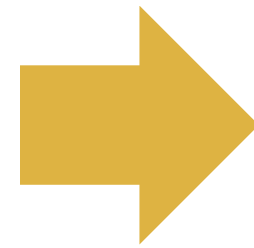


# **A LITTLE BIT OF CONTEXT**

- ✧ **Lepidus: Since 2010, a Brazilian Company that develops free (as freedom) software for Open Access/Open Science communities**
- ✧ **We also host hundreds of journals, within our SaaS plataform (OJS in clouds), mainly from Brazil, but also from other countries**
- ✧ **Since 2020 we have a partnership with SciELO Brazil: the context where the work presented was born**

# A BIT OF HISTORY AND METHODOLOGY

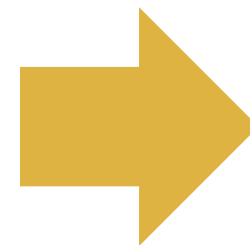
- ★ 2015: Plugin for OJS 2 developed in partnership between PKP and Dataverse Network Project



Analysis

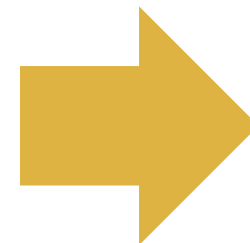
- ★ 2016: OJS3 was launched, with major technical improvements

- ★ 2021–2022: Open Preprints Server Plugin developed in partnership with SciELO



MVP

- ★ 2023–2025: Adaptation of the plugin for OJS



MVP



CONTINUOUS CYCLES OF  
DEVELOPMENT  
& FEEDBACK



# TIMELINE

## OJS/Dataverse Integration Plugin



# Research data: Typical usage scenario



Fonte: Managing, Exploring, and  
Sharing Data with Dataverse, FSCI 2019,  
UCLA

➔ Maria is the editor of a scientific journal.

➔ She wants to receive articles with research data.

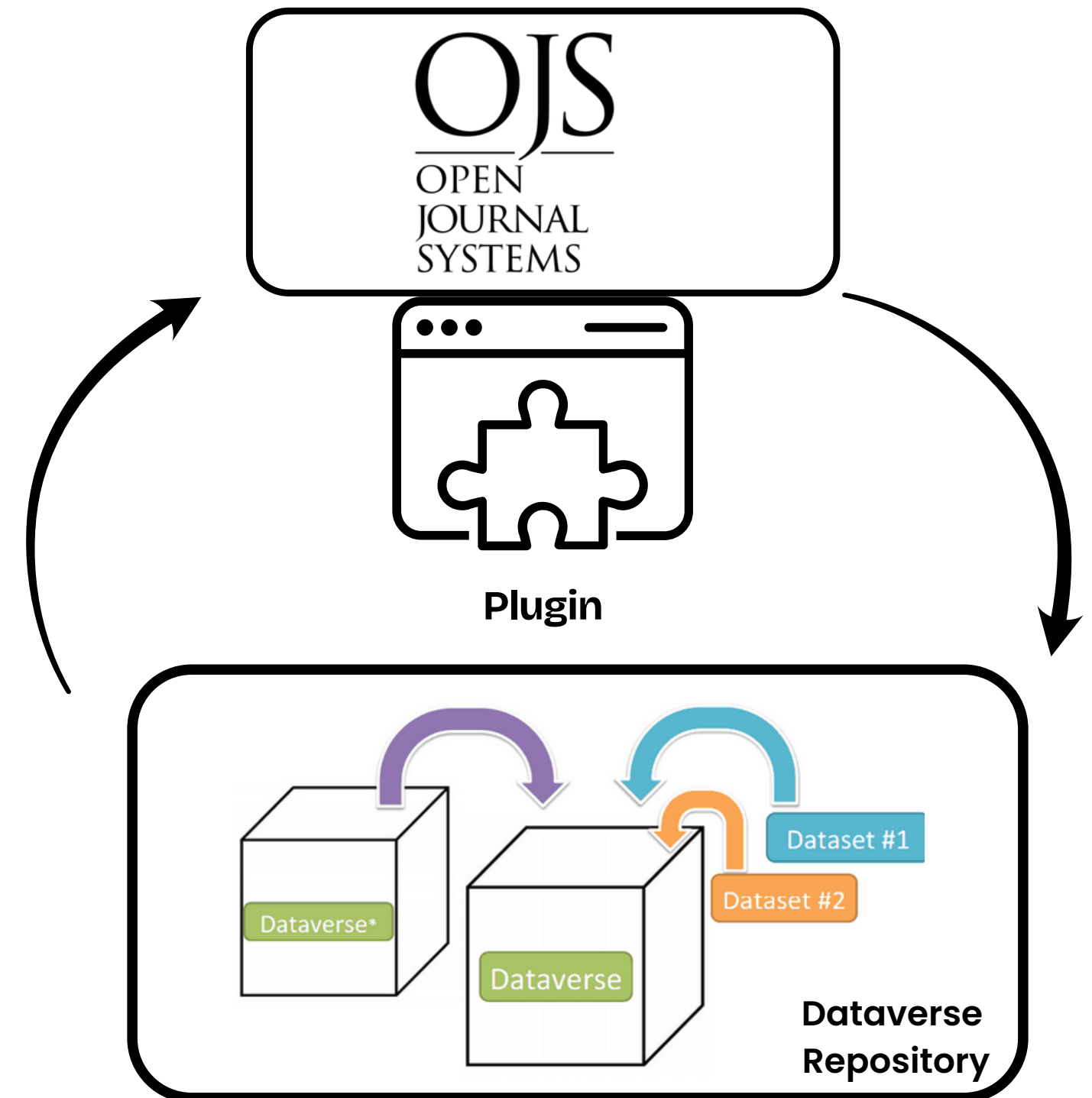
So that the community can:

- **check** the data
- **reproduce** experiments
- **contribute** with improvements

# DATAVERSE AND OJS INTEGRATION

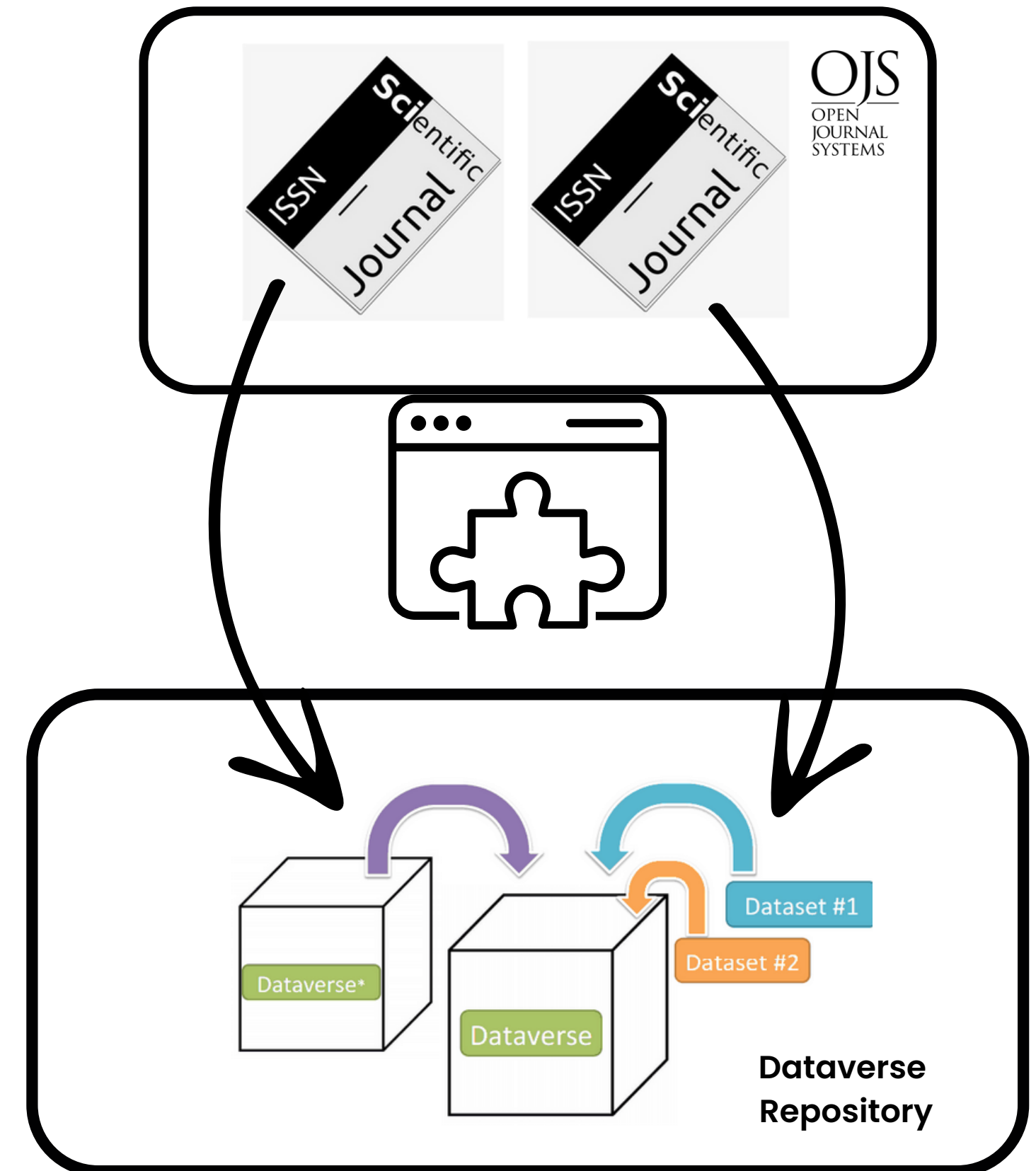
- ✦ Integration between datasets in Dataverse and articles in OJS
- ✦ Submission and administration of datasets from OJS
- ✦ Storage of research data in Dataverse

Integration realized by a plugin installed in OJS



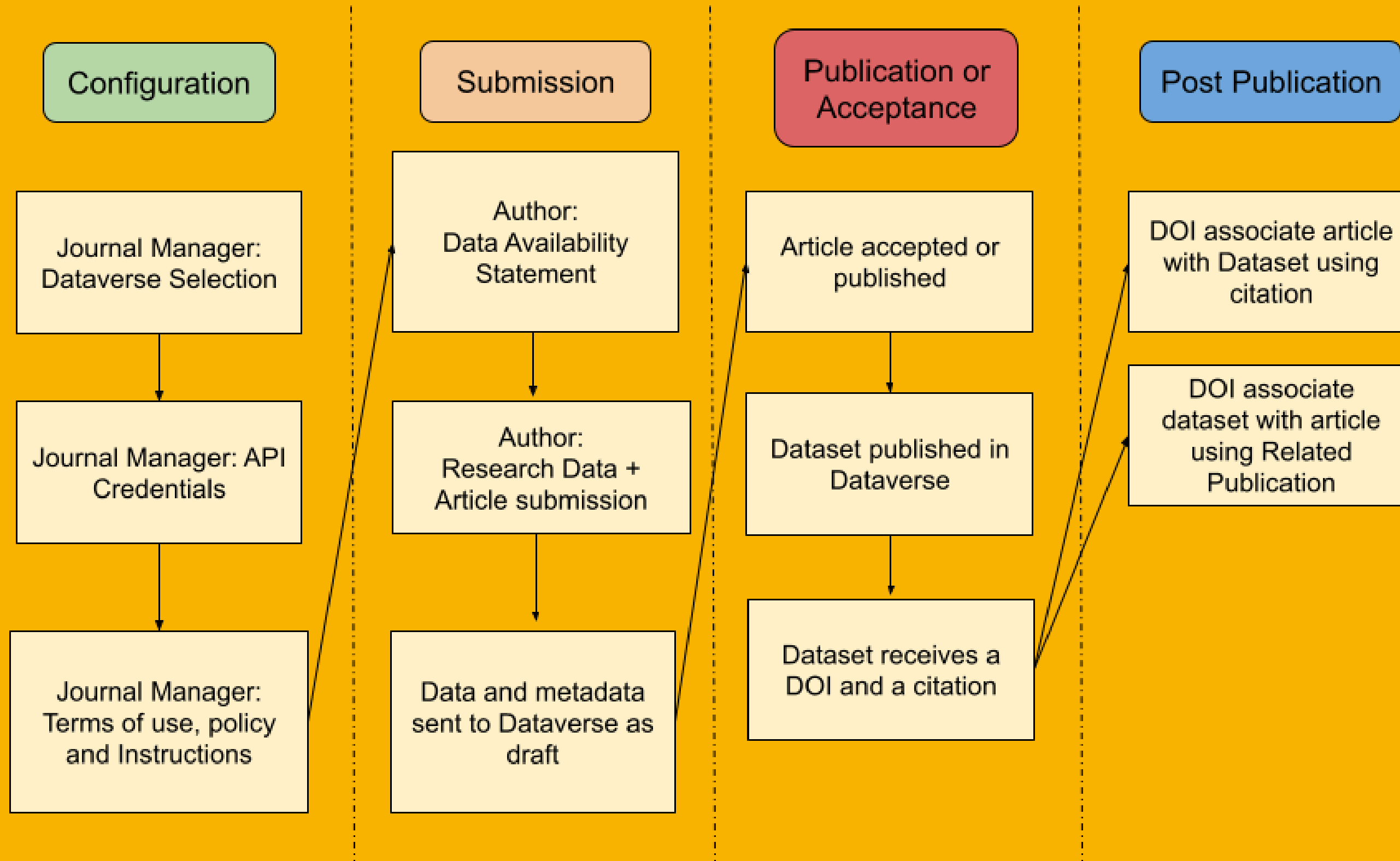
# DATAVERSE AND OJS INTEGRATION

- ✧ Each journal is associated with a Dataverse
- ✧ Developed for versions 3.3 and 3.4 of OJS
- ✧ Compatible with Dataverse versions 5 and 6





# Plugin Workflow in OJS



**Demo Time!**

# LESSONS LEARNED

- ✦ Plugin ready for adoption, with release to the community
- ✦ Usage flow used to promote good practices with research data
- ✦ The plugin alone is not enough: It is necessary to improve the community's knowledge in open science.



**Maria's journal is now receiving more articles with research data!**



→ **DISSEMINATE**

→ **GATHER  
FEEDBACK  
FROM THE  
COMMUNITY**

→ **ADAPT TO OJS/  
OPS 3.5**



**NEXT STEPS**

# ACKNOWLEDGEMENTS

- ★ SciELO Brazil, which made this plugin possible
- ★ Journals that participated in the pilot phase:
  - Saúde em Debate
  - REGEPE Entrepreneurship and Small Business Journal
  - Ciência Brasileira Animal
  - Revista Brasileira de Inteligência



# REFERENCES

- Historic about the OJS2 Plugin: <https://projects.iq.harvard.edu/ojs-dvn>
- Port DataVerse plugin to OJS 3.x issue: <https://github.com/pkp/pkp-lib/issues/1822>
- Feedback needed: Dataverse plugin for OPS/OJS 3: <https://forum.pkp.sfu.ca/t/feedback-needed-dataverse-plugin-for-ops-ojs-3>
- Plugin for integration between OPS and Dataverse: facilitating the dissemination of open data in preprints. In 13th Lusophone Open Science Conference: <https://doi.org/10.5281/zenodo.7276894>
- Connecting research data and scientific journals: Development of a plugin for integration between OJS and Dataverse. Presentation given at the 16th Lusophone Open Science Conference: <https://zenodo.org/records/17136335>

# Thanks!

[github.com/lepidus/dataversePlugin/](https://github.com/lepidus/dataversePlugin/)

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## Questions?

