

What Do We Mean by Open Infrastructure?

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What Do I Mean by “We”?

Public Knowledge Project

OJS (Open Journal Systems)

OMP (Open Monograph Press)

OHS (Open Harvester Systems)

PKP Publishing Services

And soon... open preprint server



What Do I Not Mean by “We”?

Four principles of...



...the information system supporting research

What Do We Mean by Open Infrastructure?

1. Open
2. Interoperable
3. Community-based
4. Sustainable
5. Smart

1. What Do We Mean by Open?

Open Source Software

GPL (General Public License) Version 2

PHP (Hypertext Preprocessor language)

MySQL (My Structured Query Language)

PKP School & Documentation

PKP Community Forum & PKP Translation

2. What Do We Mean by Interoperable?

OAI-PMH (Open Archives Initiative Protocol for Metadata Harvesting)

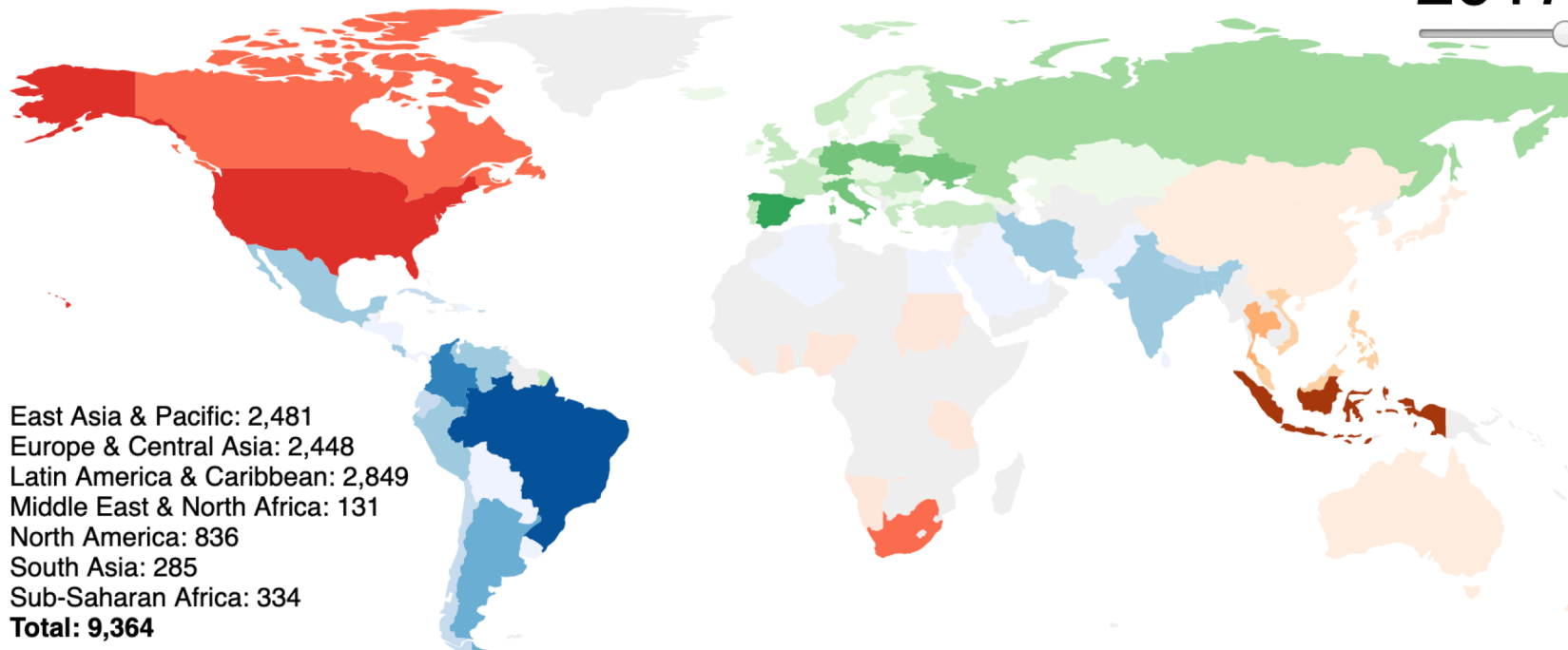
SWORD (Simple Web-service Offering Repository Deposit)

MECA (Manuscript Exchange Common Approach)

3. What Do We Mean by Community-Based?

Location of journals using Open Journal Systems

2017



4. What Do We Mean by Sustainable?

Fee-for-service

Subscribe-to-open

Copyright reform

5. What Do We Mean by Smart?

a. Machine learning & pre-publication services:

XML-JATS; bibliographic and statistical suggestions.

b. Reproducible studies and open data:

Jupyter Notebooks (Julia, Python, & R)

What Do You Mean by Open Infrastructure?

And other questions and comments.

Thanks,

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