Co-Founder Biteca SAS
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Scholarly Communications in Latin America
Reflections about Open Infrastructure
We are "Latinos" and we speak Spanish.
We are "Latinos".
The story about "Cancer" (Journal Exchange) in XX century

Our Journals are open by default (Knowledge is a common good)

Latin America (around 1,300 in Scielo)

According to Latinindex, there have been more than 20,000 Journals published in Latin America
Now (Online journals using OJS): 2020

Before (Printed journals) early 2000

We are still living the transition between printing to
In what infrastructure Latin American Journals rely on?

- Long term preservation (i.e., PKP-PLN, CLOCKSS, Portico)
- Ethical guidelines (i.e., COPE, ICASE)
- Community projects (i.e., DOAJ, Redalyc, America-Latina RE, FORCE11)
- PID (Crossref, ORCID, Datadice, ROR)
- OJS & OMP (PKP)
- Free XML-JATS MarkUp for Microsoft Word (Scielo)
The main publishers in Latin America

<table>
<thead>
<tr>
<th>Publisher Type</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>20%</td>
</tr>
<tr>
<td>Society</td>
<td>35%</td>
</tr>
<tr>
<td>University</td>
<td>45%</td>
</tr>
</tbody>
</table>
Who is providing these infrastructure?

- Service providers, i.e., EScire (Mexico), Bitexeca (Colombia), GNI (Brazil)

- Independent IT professionals

- IT Departments at Universities
What service providers are doing?

1. Provide hosting
2. Provide technical support
3. Provide advice
4. Provide training
5. Provide publishing services (XML, Markup, Design & Layout, APPs)
6. Provide copyediting and translation services
Open Infrastructure Ecosystem

How to include service providers in the

Open Infrastructure  \[\xrightarrow{?}\] Service Providers

What service providers are doing for supporting
What values a service provider should have?

1. Ethical (i.e. Conflict of Interests)
2. High quality support (i.e. Availability, Agility, Security, Re-liability)
3. Publisher (i.e. University, Society, Centre) retain all rights
4. No lock-in (i.e. Free to Leave)
5. Transparency (i.e. No hidden costs)
We speak Spanish:
multilingualism. OJS has been translated in more than 40 languages and growing:)

Open Journal Systems and Open Monograph Press (PKP) are good examples of English & Portuguese.

But we are happy to translate title, abstracts and keywords in other languages (i.e.

We publish in “Spanish“
Apoyo a la investigación de accidentes aéreos con el uso de PAs

Metadata

Example 1

https://doi.org/10.18667/cienciaypoder.aereo.654

Full text & metadata (Spanish)

Metadata in English

Metadata in Portuguese
ambiguitad y maldosición

¿Encontrar-alexandria en francmas es un eqd de arles en y corido de encorir
políticas de HLI y el cambió de encorir

BMC Medicine

Línea de fondo (español & inglés)
Yahoo, Baidu?

Metadata in other languages is being indexed by crawlers? i.e. Bing, Google?

default? Is there an uninitiated criteria? i.e. ROR, INSPIRE, Crossref, Fundable-ID?

Can the names be displayed in their original language and not in English by PubMed, Crossref, Datacite?

How far we are for providing metadata schema for multi-language capabilities? i.e.

What about interfaces?

Multi-language challenges, some examples
New indicators for specific subjects (i.e., Humanities Citation Index - HIC) they are not open.

Open References: i.e., Some journals are not recording references on Crossref or

Open Workflow optimization (XML First vs. XML Last) is it worth it? What are their implications?

Open Infrastructure challenges
We are "Latinos" and we speak Spanish.
Gracias!

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