Capacity building in Diamond Open Access

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Some considerations to address capacity building for Diamond OA

From strong, consolidated, experienced and skillful Diamond OA to isolated and developing efforts.

Different challenges, needs and strategies arise according to the level of maturity.
There is a sustainability model on diamond OA

Academic / science model + Model as a global public good
Our perspective in capacity building for Diamond OA

1. Preventing APC adoption
   Impact in sustainability
   - Tools to lower editorial costs
   - Tools to trace the gain in visibility, impact and recognition
   - Tools to show the journal effect as a community building agent
   - Software for journals to take the scientific output back to institutions

2. Improving quality
   Assess quality and provide feedback until the quality level is reached
   - Peer review
   - Editorial criteria
   - Openness
   - Technological capabilities
   - Interoperability

3. Strengthening capabilities
   Outreach, visibility and preservation
   - Interoperability standards
   - Integration with Green OA
   - Digital preservation
   - Multilingualism
   - XML-JATS
   - Discoverability

4. Equipping it to regain its place in research assessment
   Show the contribution of Diamond OA
   - Data normalization
   - Available data sources for comprehensive research assessment
   - Quantitative indicators
   - Qualitative views of its contribution to the communication of science

Impact in sustainability

Impact in sustainability

Tools to lower editorial costs

Tools to trace the gain in visibility, impact and recognition

Tools to show the journal effect as a community building agent

Software for journals to take the scientific output back to institutions
1. Prevention of APC adoption in Diamond Open Access

Capacity building

It should impact sustainability

• Tools to lower costs in production
• Tools to trace the gain in visibility, impact and recognition
• Tools to show the journal effect as a community building agent
Quantifying the contribution of collaborative work:

The joint work between journal editors and the software provided by Redalyc for journal production and XML JATS

12,280 journal issues (about 200K articles) have been processed by Marcalyc and XML importer

It would cost in the market 4 Million USD only for XML JATS but for the entire production around 19 Million USD
1. Prevention of APC adoption in Diamond Open Access
Capacity building

Some key facts

• Less than 5% of journals published in Latin America, Spain and Portugal charge APC.*
• The adoption of APC model started a decade ago.*
• Evidence shows that it is now accelerating.
• However, successful cases of APC to non APC flip have happened as a result of these strategies.

2. Quality in Diamond Open Access

Capacity building

Iterative process of feedback and editorial professionalization

- Peer review
- Editorial criteria
- Openness
- Technological capabilities
- Interoperability
- Transparency

Periodical reevaluation

Evaluation of formal criteria

Qualitative assessment

Provide feedback results

Training and customized advisory

Apply changes in the next three journal issues

Journal rejected

Journal accepted

Index process

83% rejection rate

They are able to use some services in order to reduce the gap
2. Quality in Diamond Open Access Capacity building

Facts and results

- Strong peer-review processes in Latin America quality journals
- In all areas the duration of peer review has increased
- Social Sciences shows the greatest increase with 66.5%, compared to 62.5% for Humanities and 5.2% for Sciences

3. Developing and strengthening journals' capabilities

Capacity building

Outreach, visibility and preservation

- Interoperability standards
- Integration with Green OA
- Digital preservation
- Multilingualism
- XML-JATS
- Discoverability

Facts and results

- About 700 journals transited to XML JATS
- RSS, OAI-PMH provider per journal
- Discoverability services for libraries
- SEO
The contribution of Diamond OA to the communication of science

4. Diamond OA should regain its place in research assessment

- Data normalization
- Available data sources for comprehensive research assessment
- Quantitative indicators
- Qualitative views of its contribution to the communication of science

Map of co-authorship in diamond OA journals (1.9 million author records)
Source: Redalyc 2022

The contribution of Diamond OA to universities and countries in the dissemination of science must not be ignored when commercial solutions are being negotiated.
The contribution of Diamond OA to the communication of science

4. Diamond OA should regain its place in research assessment

The contribution of Diamond OA to the communication of science

4. Diamond OA should regain its place in research assessment

Roles of stakeholders in Diamond OA

**Libraries**
*Diamond supporters and ambassadors*
- Increase the outreach of Diamond OA to the research community
- Include Diamond OA sources into their discovery services
- Recalculate their budgets for fairly distribution of resources (according to the use)
- Get involved in journal publishing

**Institutions**
*Diamond publishers, diamond supporters*
- Recognition of Diamond OA in institutional policies for research and journal assessment, as well in hiring, tenure, and promotion decisions
- Support Diamond OA journals published by its faculty
- Strengthen editorial teams within the university

**Governments**
*Diamond driven force*
- Recognition of Diamond OA in public policies for research and journal assessment
- National consortia of libraries should recalculate their budgets for fairly distribution of resources (according to the use)
- i.e. Mexican consortia expenditure in comercial solutions ≈ 74 Million EUR

**Funders**
*Diamond driving forces*
- Recognition of Diamond OA in funding decisions
- Recognize that Diamond OA is more sustainable and it has a better return of investment
- Support the sustainability of Diamond OA

**Open infrastructures**
*Engine for collective action for Diamond OA*
- Quality assurance
  - Help funders to identify quality journals
- Capacity building
- Complementary component in Diamond OA ecosystem to add value to journals

**Research community/authors**
*Diamond OA researcher*
- Make them part of sustainability (production)
- Raise awareness around Diamond OA
Thank you