

Open Access (Diamond) Publishing – data, FAPESP and SciELO

Claudia Bauzer Medeiros

Institute of Computing, University of Campinas

Coordination, FAPESP program on eScience and Data Science



UNICAMP



Un grand merci

- Nadège Mézié
- Martine Coelho
- MESR (Ministère de l'Enseignement Supérieur et de la Recherche)

-
- FAPESP -



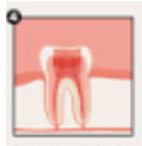
Outline

- Open data and framework of OA publishing
- FAPESP OA policies
- SciELO and its network

Open data and OA publishing

Data ↔ journal life cycle

Physical or digital world

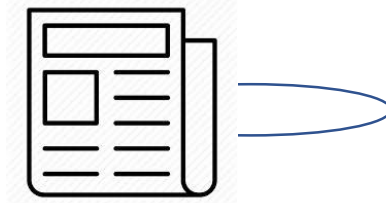
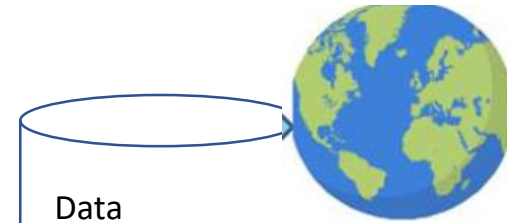


| Expense | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 |
|----------------|------------|------------|------------|------------|------------|
| Phone | \$ 40.0 | \$ 47.0 | \$ 55.0 | \$ 55.0 | \$ 58.0 |
| Insurance | \$ 80.0 | \$ 80.0 | \$ 80.0 | \$ 80.0 | \$ 80.0 |
| Rent | \$ 900.0 | \$ 900.0 | \$ 900.0 | \$ 900.0 | \$ 900.0 |
| Medicine | \$ 120.0 | \$ 40.0 | \$ 0.0 | \$ 0.0 | \$ 0.0 |
| Utilities Bill | \$ 200.0 | \$ 180.0 | \$ 140.0 | \$ 170.0 | \$ 140.0 |
| Water Bill | \$ 120.0 | \$ 100.0 | \$ 90.0 | \$ 100.0 | \$ 100.0 |
| Total | \$ 1,460.0 | \$ 1,387.0 | \$ 1,265.0 | \$ 1,215.0 | \$ 1,278.0 |



Digital

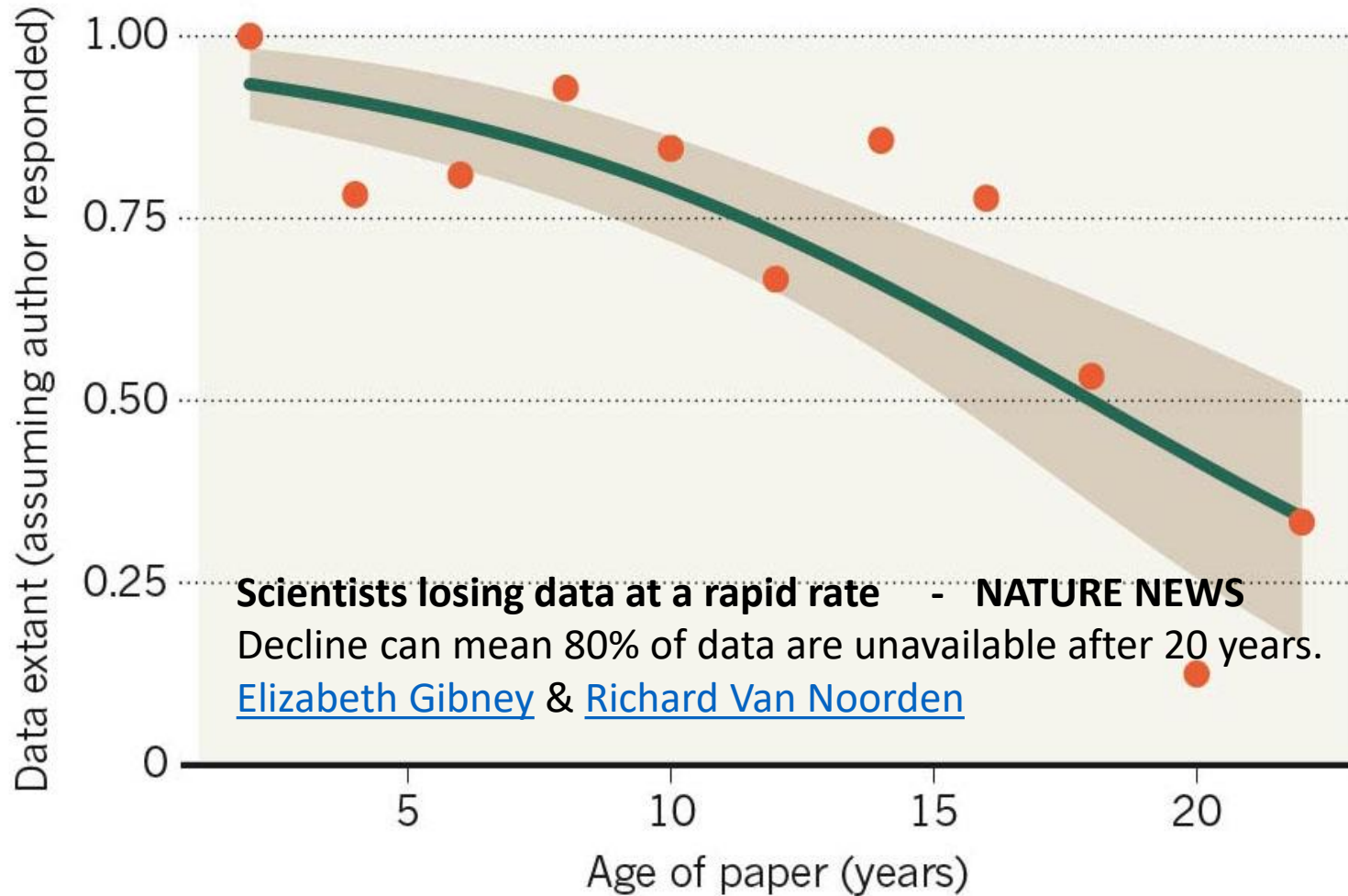
Videos
Recordings
Text
Sound
Streams
etc



Publication repositories

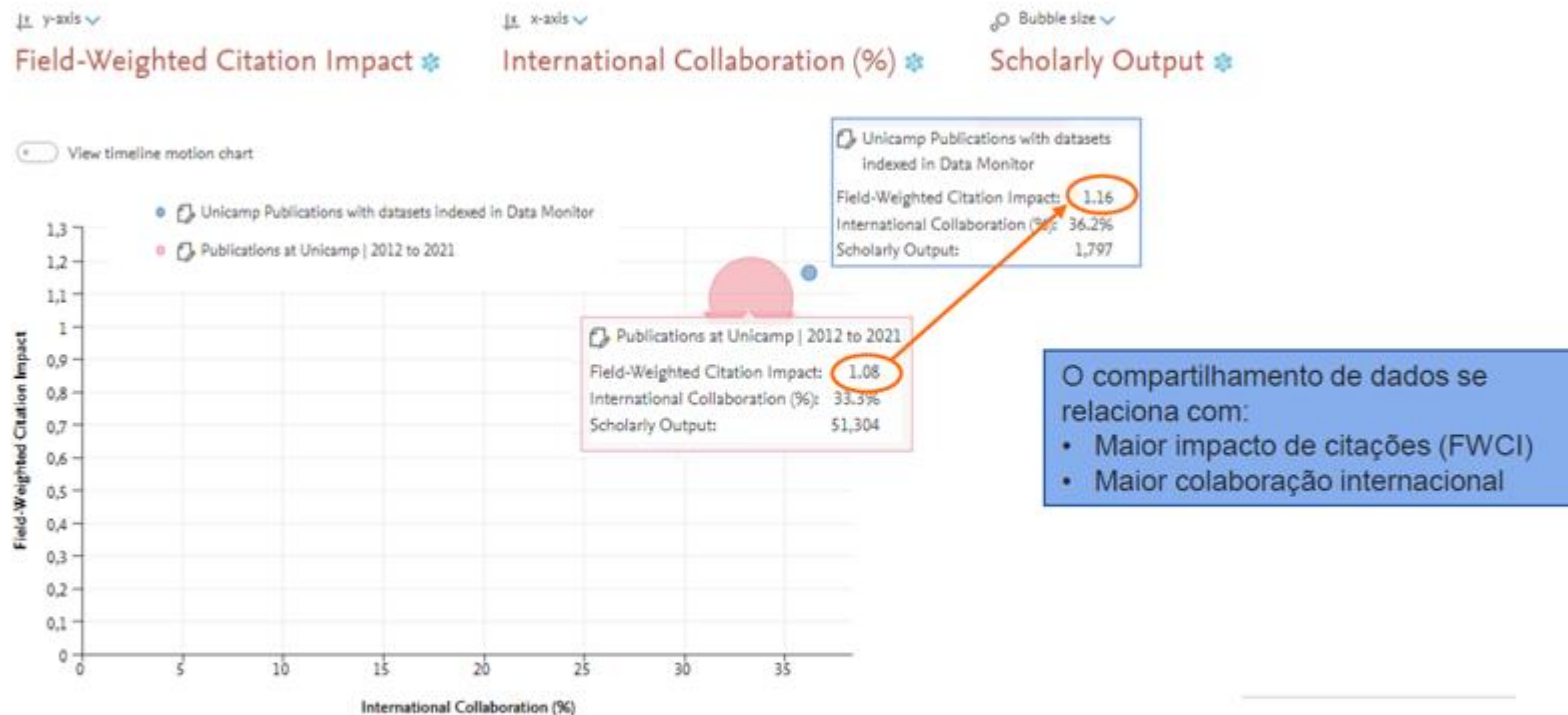
MISSING DATA

As research articles age, the odds of their raw data being extant drop dramatically.



Benefits = open to the world

Academic impact of publications linked to data



Scopus
Scholix
DataCite



Source: **Data Monitor** Corpus

<https://www.elsevier.com/solutions/data-monitor>



- São Paulo Research Foundation
- 1% of all taxes from state of SP
- 20K proposals submitted by year
- Around 70 bi- or multi-national calls per year
- Scholarships, fellowships, projects, research centers
- Open Science pioneer in Brazil

FAPESP OA POLICIES –
recommended since 2008,
compulsory since 2017

FAPESP and OA – researchers should

- Check journal OA policies
- If allowed by journal, make pre-print available
- If embargo up to 12 months, make pdf+DOI available **in institutional repository**, asking to make it public in 12 months
- If embargo greater than 12 months, check availability of funding to pay APC for OA
- If no money for APC, make preprint available **in institutional repository**

FAPESP OA and Google Scholar

Jose Roberto de França Arruda

Full Professor of Mechanical Engineering, [University of Campinas](#)
E-mail confirmado em fem.unicamp.br
mechanical vibrations acoustics wave propagation structural dynamics signal processing

Citado por VER TODOS

| | Todos | Desde 2017 |
|------------|-------|------------|
| Citações | 1699 | 821 |
| Índice h | 20 | 15 |
| Índice i10 | 48 | 22 |

Acesso público VER TODOS

| | Todos | Desde 2017 |
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| 0 artigo | 5 artigos | |
| não disponível | disponível | |

Com base nas autorizações de financiamento

Acesso público VER TODOS

| | Todos | Desde 2017 |
|----------------|------------|------------|
| 0 artigo | 5 artigos | |
| não disponível | disponível | |

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| TÍTULO | CITADO POR | ANO |
|---|------------|------|
| <input type="checkbox"/> Wave propagation in elastic metamaterial beams and plates with interconnected resonators D Bek, JRF Arruda, M Ruzzene International Journal of Solids and Structures 139, 105-120 | 98 | 2018 |
| <input type="checkbox"/> Edge states and topological pumping in spatially modulated elastic lattices MIN Rosa, RK Pal, JRF Arruda, M Ruzzene Physical review letters 123 (3), 034301 | 67 | 2019 |
| <input type="checkbox"/> Surface smoothing and partial spatial derivatives computation using a regressive discrete Fourier series JRF Arruda Mechanical Systems and Signal Processing 6 (1), 41-50 | 62 | 1992 |
| <input type="checkbox"/> Wave attenuation and trapping in 3D printed cantilever-in-mass metamaterials with spatially correlated variability D Bek, AT Fabro, M Ruzzene, JRF Arruda Scientific reports 9 (1), 1-11 | 59 | 2019 |
| <input type="checkbox"/> Use of recycled natural fibres in industrial products: a comparative LCA case study on acoustic components in the Brazilian automotive sector | 51 | 2014 |

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id topological pumping in spatially modulated elastic lattices [\[PDF\] researchgate.net](#)
JRF Arruda, M Ruzzene
ers 123 (3), 034301, 2019

Com base nas autorizações de financiamento [JS National Science Foundation](#) [REVISAR](#)

Non-Hermitian elastic waveguides with piezoelectric feedback actuation: non-reciprocal bands and skin modes [\[PDF\] arxiv.org](#)
D Braghini, LG Villani, MIN Rosa, JR de F Arruda
Journal of Physics D: Applied Physics 54 (28), 285302, 2021

Autorizações: [US National Science Foundation](#), [US Department of Defense](#) [REVISAR](#)

Edge states and topological pumping in elastic lattices with periodically modulated coupling [\[PDF\] arxiv.org](#)
MIN Rosa, RK Pal, JRF Arruda, M Ruzzene
arXiv preprint arXiv:1811.02637, 2018

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Boundary modes in quasiperiodic elastic structures [\[PDF\] google.com](#)
MIN Rosa, RK Pal, JRF Arruda, M Ruzzene
Behavior and mechanics of multifunctional materials and composites XII 10596 ..., 2018

Autorizações: [US National Science Foundation](#) [REVISAR](#)

X-ray tomographic image post-processing and a new 2D LBM simulation for the determination of the porosity and the static airflow resistivity of an acoustic fibrous material [\[PDF\] archives-ouvertes.fr](#)
P Lamary, BN Huallpa, FC Bannwart, EP de Deus, A Benallal, JRF Arruda
Applied Acoustics 169, 107452, 2020

Autorizações: [Agence Nationale de la Recherche](#) [REVISAR](#)

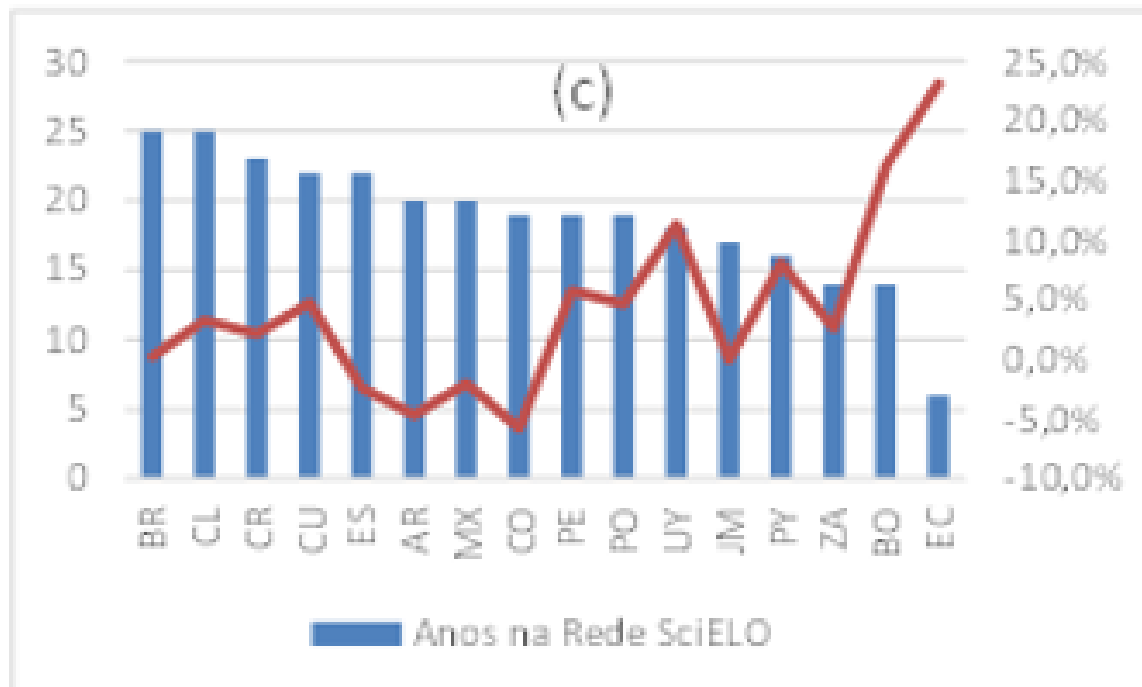
SciELO – Scientific Electronic
Library Online (for Brazil, mostly
supported by FAPESP)



History

- Digital library of periodicals plus publishing model of OA journals
- Started 1998 as a project supported by FAPESP and BIREME/PAHO/WHO
- 1370 OA active journals (295 from Brazil) from almost all latin South American countries (except Venezuela)
 - plus CU, MX, CR, Portugal, South Africa and West Indies
 - 1,071,000 documents, 800K downloads/month
- Decentralized management under the SciELO model
- Also SciELO DATA and SciELO review pipelines

SciELO journals - evolution



OBRIGADA!

cmbm@ic.unicamp.br

cmedeiros@fapesp.br