

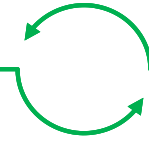
Open Science with a focus on Open Access

**Nate Breznau**

Mannheim Centre for European Social Research (MZES)

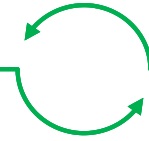
Open Access Event, October 26<sup>th</sup>, 2017

University of Mannheim – University Library



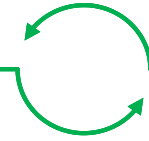
- The “Replication” Crisis

[Stanley and Spence 2014](#); [Economist Oct 19<sup>th</sup>, 2013](#); [Economist Oct 22<sup>th</sup>, 2013](#);  
[Vogel 2011](#); [Singal 2015](#)



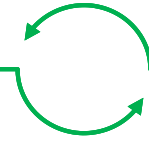
- The “Replication” Crisis
  - Pseudo-, proto-, anti- science

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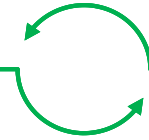


- The “Replication” Crisis
  - Pseudo-, proto-, anti- science
  - Hacking

[Stanley and Spence 2014](#); [Economist Oct 19<sup>th</sup>, 2013](#); [Economist Oct 22<sup>th</sup>, 2013](#);  
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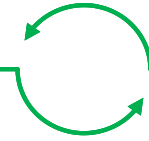


- The Pseudoscience Crisis
- Publishing as prostitution



- The Pseudoscience Crisis
- Publishing as prostitution

Rent-seeking when rents are *nonexcludable*, c.f. Academia, where rent-seeking, “...produces ego-maniacs and much destructive behavior.” (Sørensen 1996:1358)



[Public Choice](#)

July 2003, Volume 116, [Issue 1-2](#), pp 205-223 | [Cite as](#)

## Publishing as Prostitution? – Choosing Between One's Own Ideas and Academic Success

Authors

[Authors and affiliations](#)

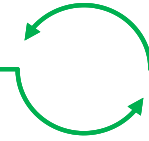
Bruno S. Frey

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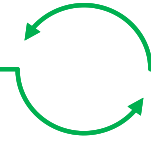
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## Open Access

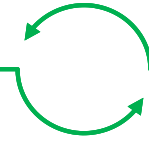
- Free literature – read, download, distribute





## Open Access

- Free literature – read, download, distribute
- Movement – create open access

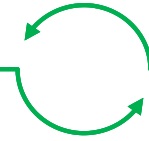


## Open Access

- Free literature – read, download, distribute
- Movement – create open access
- ‘Access’ as open science
  - Not just literature
  - Data & methods
  - Review process

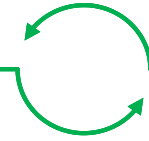
Sharing data: ASA’s [Code of Ethics](#); [TOP Guidelines](#)

Reviewer initiative: [Janz 2016](#)



## Free Literature

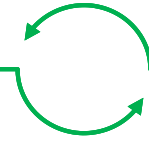
- **Author** – no/low publishing costs
- **Author** – copyright
- **Journal** – no subscription fees (individual / uni)



## Open Access Movement

- **Sharing** - Pre-pub / project & code

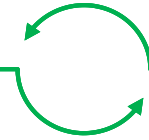
Project/publication sharing: [OSF \(SocArXiv, PsyArXiv, etc.\)](#); [Datorium \(GESIS\)](#); [GitHub](#) (code focused, but pre-print possible); [PeerJ](#) (preprints, w/ approval); SSRN (owned by Elsevier now).



## Open Access Movement

- Sharing - Pre-pub / project & code
- Projekt DEAL – (Retrospective) open access

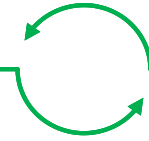
[Projekt DEAL](#); [Kwon 2017](#); [Staller 2017](#);



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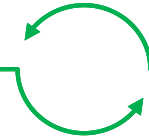
- Sharing - Pre-pub / project & code
- Projekt DEAL – (Retrospective) open access
- Shadow access

Shadow access: [libgen](#); [SCI-HUB](#)



## Examples from Social Science

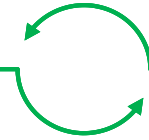
- Author 'buy out'



## Examples from Social Science

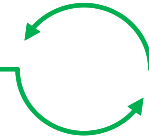
- Author 'buy out'
- Traditional process + open
  - Socius (ASA / Sage)
  - APSA – planned journal
  - Web of Science – no 'social science' specific





## Examples from Social Science

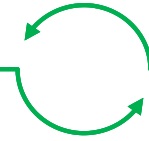
- Author 'buy out'
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- New paradigm – Sociological Science



## Challenges with 'Overly' Open Access

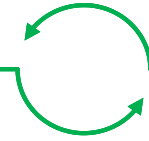
- Predatory Publishing

[Shaw 2011](#); [Neuroskeptic 2017](#); Beall's former list of predatory [publishers](#) & [journals](#) (Apr. 2016)



## Challenges with 'Overly' Open Access

- Predatory Publishing
- Mega-Publishing
  - MDPI – Multidisciplinary Digital Publishing Institute
  - PLOS ONE – Public Library of Science



## Final notes

- The good - Science is more open
  - Radical shifts in access
  - New paradigms in journals (e.g., [MISO](#))
  - Replication en vogue ([Freese 2017](#))
- The bad – prestige still dominates science
  - Rent-seeking, c.f., in non-marketable fields (i.e., social science)
  - Removing / unblinding peer-review...
- The ugly – data-faking / p-hacking
  - Rent-seeking to extremes
  - Scientific ‘method’ for many: to find \*\*\*