

OPEN ACCESS: PERFECT IS THE ENEMY OF THE GOOD

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Professor, School of Information, Emeritus
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OPEN  **ACCESS**



ANGOLA

Sumbe Water Supply,
Sanitation and Institutional
Support Project



MAKING
A DIFFERENCE

The logo for the project, featuring the text "MAKING A DIFFERENCE" above a row of logos for partner organizations, including UNICEF and others.

03 / 10 / 2023

SHOW MORE



COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)



JHU Ceased Updates at:
3/10/2023, 5:21 AM
[See Terms of Use for more info](#)

Total Cases
676,609,951

Total Deaths
6,881,951

Total Vaccine Doses Administered
13,338,833,191

28-Day Cases
4,035,254

28-Day Deaths
28,018

28-Day Vaccine Doses Administered
28,156,730

Cases | Deaths by
Country/Region/Sovereignty

US

28-Day: **959,794** |
9,451
Totals: **103,804,263** |
1,123,836

Japan

28-Day: **418,671** |
2,804
Totals: **33,329,551** |
73,046

Germany

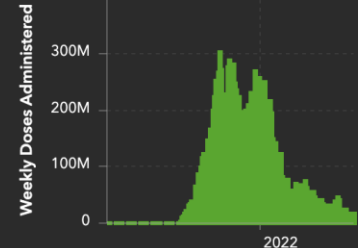
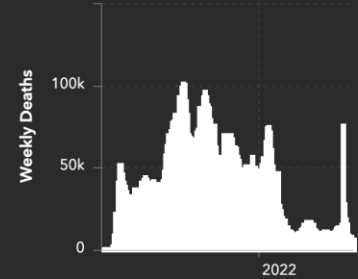
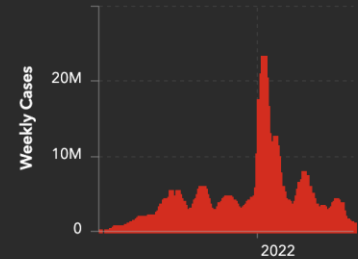
28-Day: **355,168** |
2,275
Totals: **38,249,060** |
168,935

Russia

28-Day: **350,549** |
989
Totals: **22,086,064** |
388,521

Korea, South

28-Day: **290,039** |
396
Totals: **30,615,522** |
3,396





Illiteracy



Technology
gap



Social
development

“99 PROBLEMS...”

- Can't afford to read
- Can't freely use (e.g., for TDM, AI training)
- Can't afford OA publishing fees
- Prices rising faster than budgets
- Author rights to their own articles
- Academic integrity and predatory journals
- etc...

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Open access



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Goal: Open access without significantly worsening other concerns

OA EFFORT TO DATE (MOSTLY)

Green deposit

Supporting new
OA journals

Paying Gold OA
fees on top of
subscriptions

Each has a role, but each suffers flaws

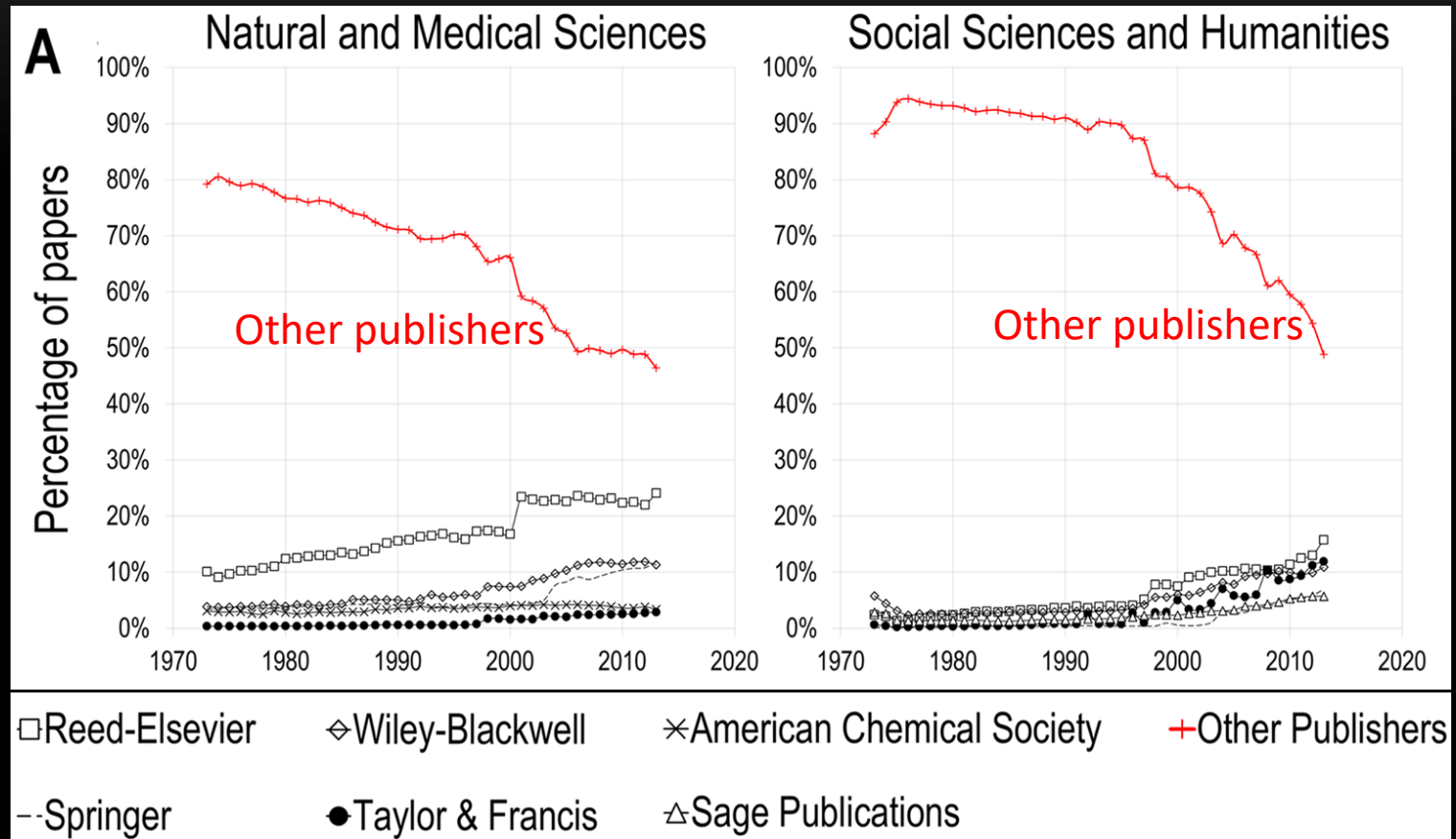
Open access progress after 20+ years: 6-11%

Open Access Publishing: Top Ranking Universities

University	% OA	University	% OA
Johns Hopkins University	11.3%	University of California, Los Angeles	9.3%
Harvard University	11.0%	Rice University	8.9%
University of California, San Diego	10.6%	Columbia University	8.6%
University of North Carolina at Chapel Hill	10.6%	University of Pennsylvania	8.5%
Dartmouth College	10.6%	University of Michigan	8.1%
University of Washington, Seattle	10.4%	University of Illinois at Urbana-Champaign	7.9%
Duke University	10.0%	Brown University	7.9%
Washington University in St. Louis	9.9%	University of Chicago	7.8%
University of California, Berkeley	9.9%	Northwestern University	7.8%
Massachusetts Institute of Technology	9.8%	University of Virginia	7.7%
University of Southern California	9.8%	Carnegie Mellon University	7.5%
Cornell University	9.8%	California Institute of Technology	7.0%
Vanderbilt University	9.7%	Princeton University	6.9%
Yale University	9.5%	Georgia Institute of Technology	6.3%
Stanford University	9.3%	University of Texas at Austin	6.3%

Source: Web of Science (April 2016). Material covered: journal and review articles published in 2011-2015

PERCENTAGE OF PAPERS PUBLISHED BY THE TOP 5 PUBLISHERS, 1973–2013



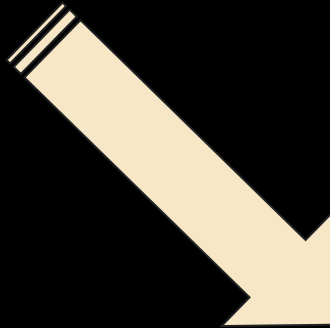
Let's run faster!



Let's run faster!

Let's run faster!

Strategy 1: Get
authors to
submit articles
to OA journals
instead



**BIG PUBLISHERS HERE
FOR LONG HAUL**

Let's run faster!

Strategy 2: Get
big 5 to
publish the
articles OA



**PUBLISHING IS COSTLY AND
COMPLEX**

subscription fees
publishing fees (APCs)
consortial payments (e.g.,
S20)
philanthropic grants
gov't subsidies

~~subscription fees~~

publishing fees (APCs)

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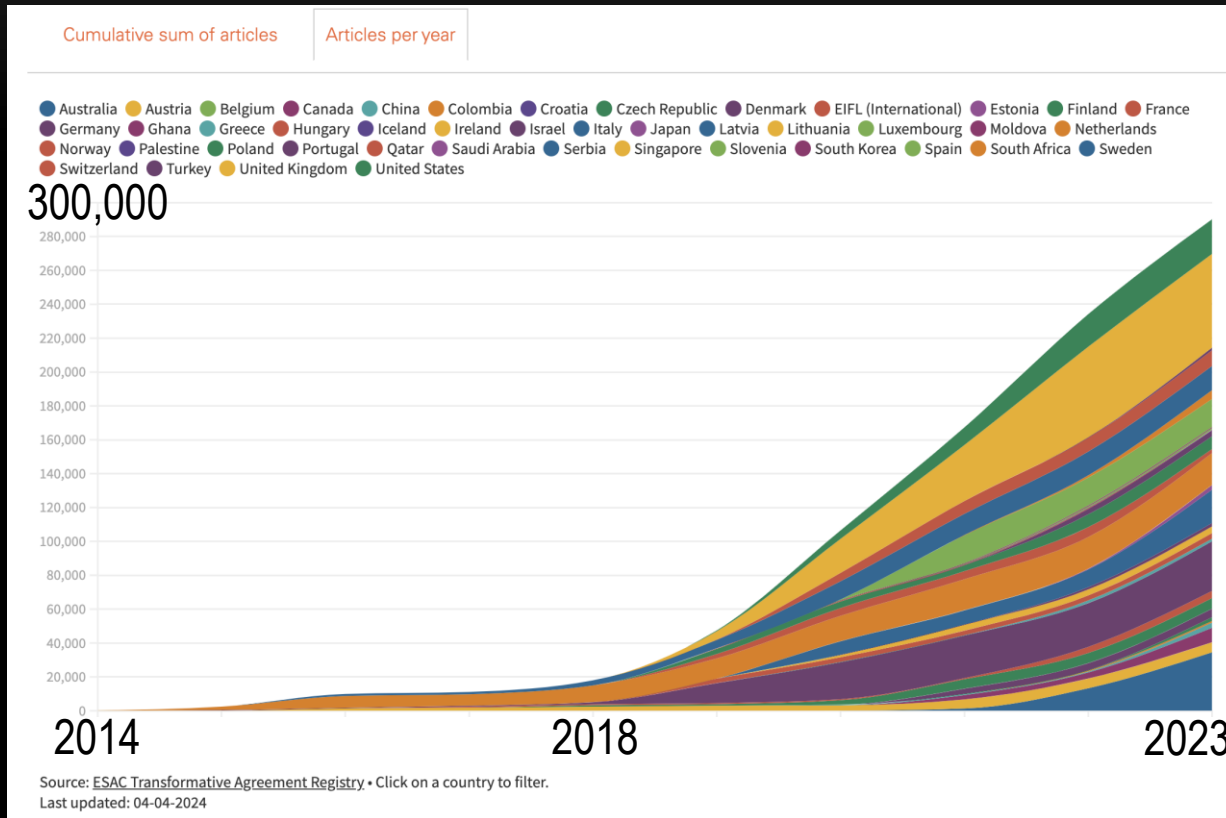
gov't subsidies

**We have a
design
problem:
What can the
academy do?**



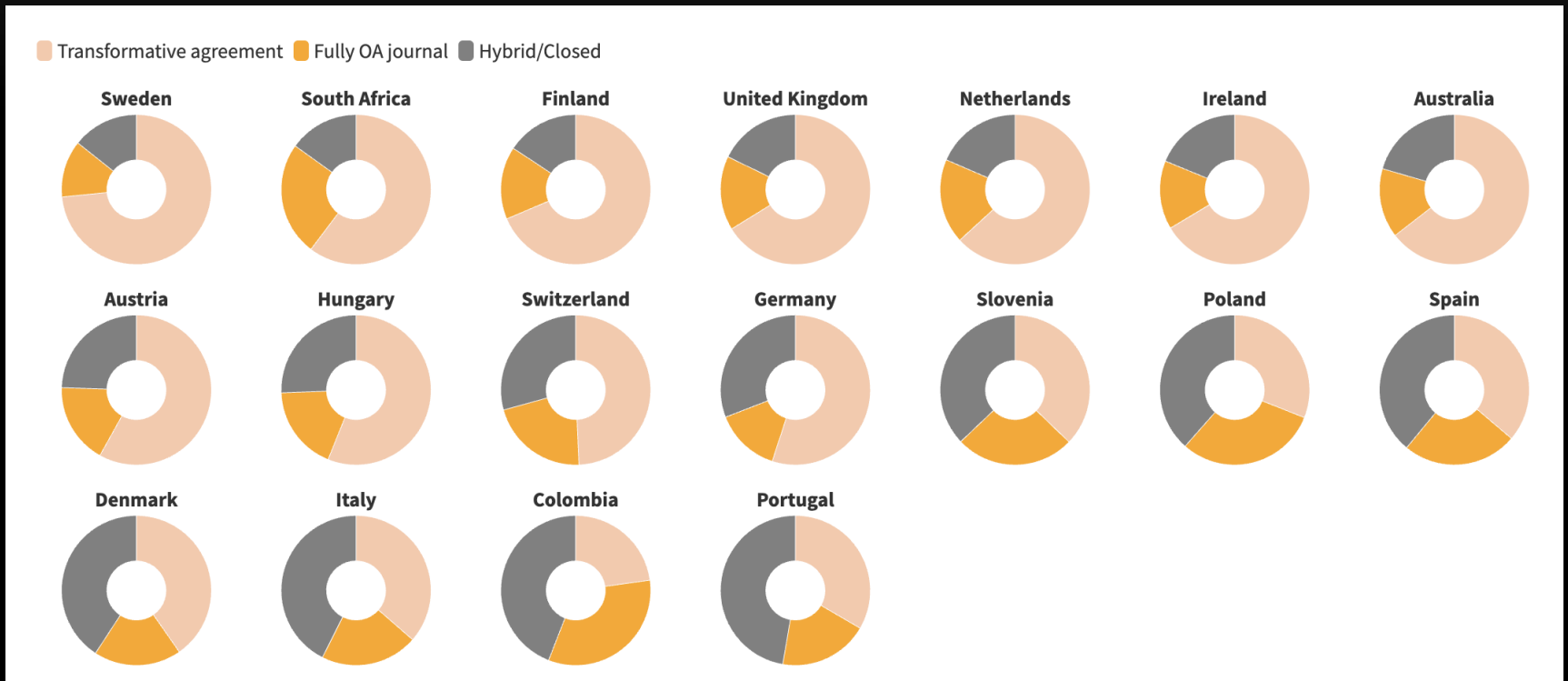
TRANSFORMATIVE AGREEMENTS

WE KNOW WE CAN ...



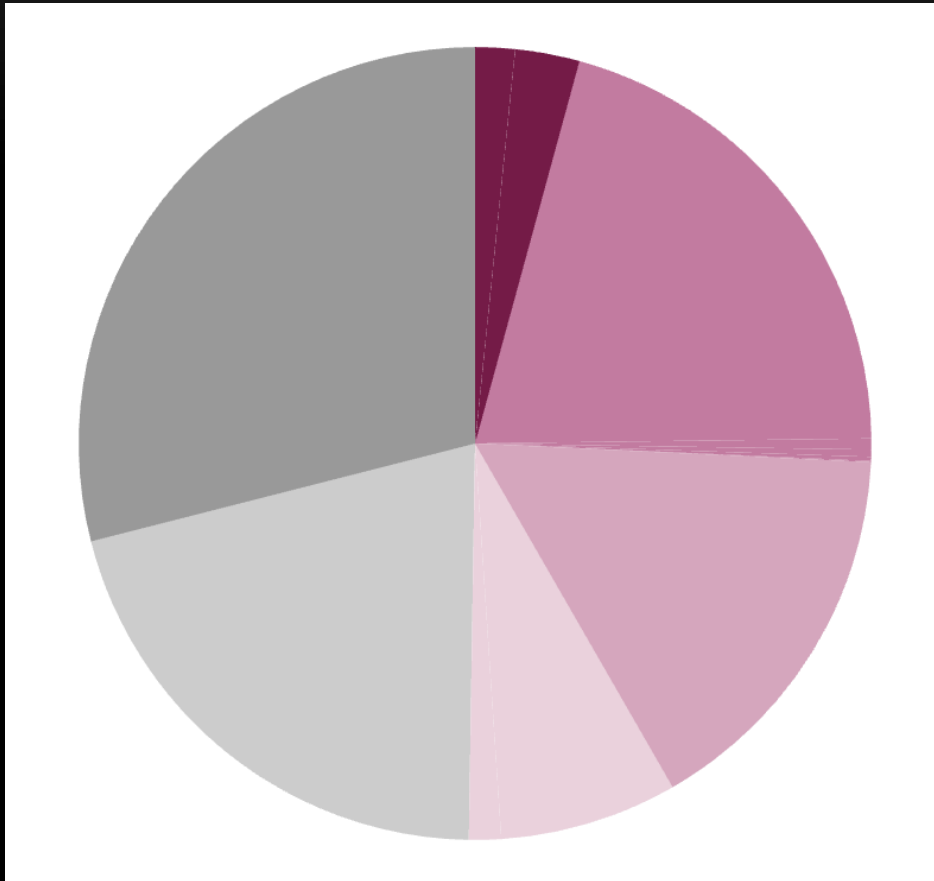
... because we
are

WE KNOW WE CAN ...



... because we
are

WE KNOW WE CAN ...



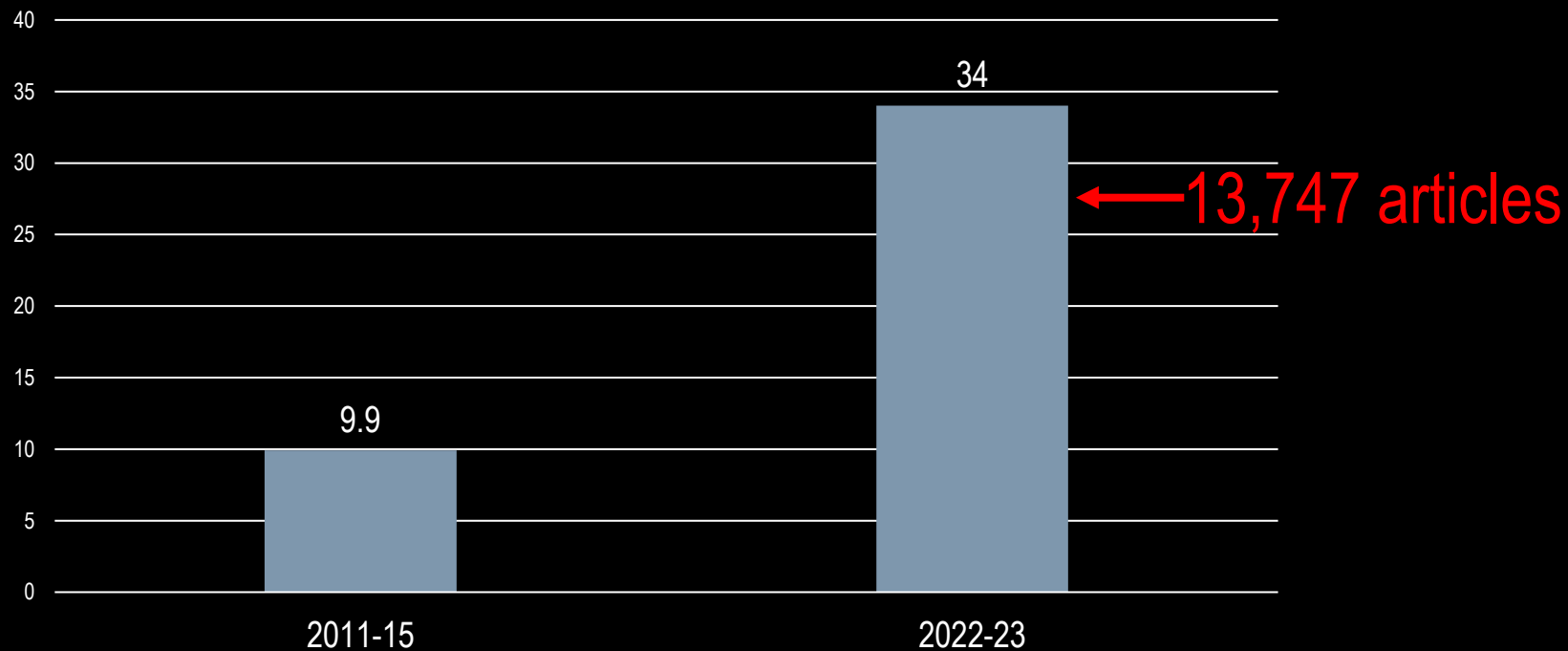
UC articles covered by transformative agreements

- as of 2020
- 2021
- 2022
- 2023: 50.2% coverage

... because we
are

WE KNOW WE CAN ...

% UC articles published OA under transformative agreements



... because we
are

WE KNOW WE CAN ...

CRKN open access articles
under transformative
agreements 2022-23

13,020

... because **YOU**
are

Agreement performance, financial (2022)

Cost avoidance compared to subscription model ...

Libraries expenses: - \$1.2M



Multi-payer model



Author expenses: - \$1.7M



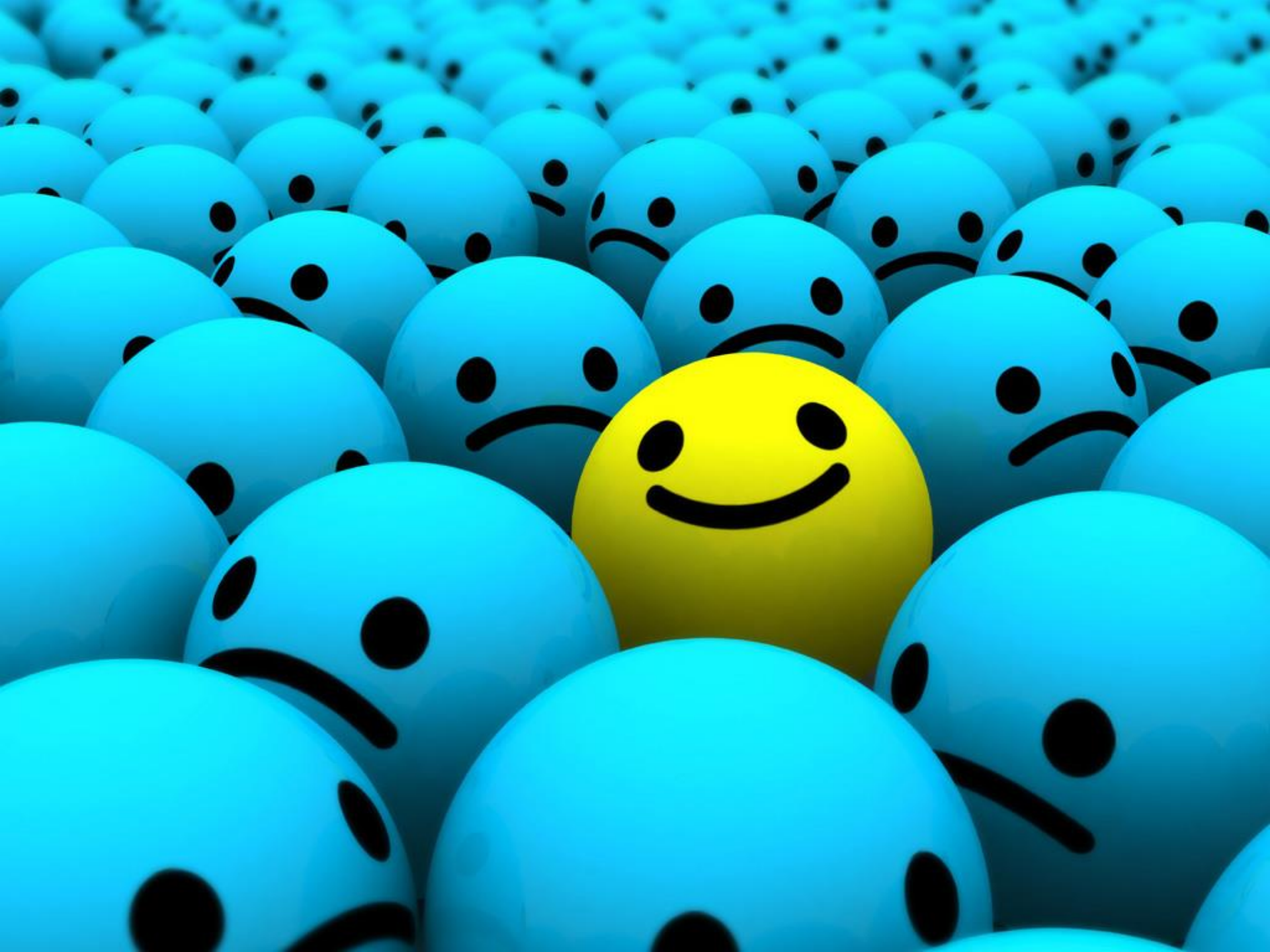
\$ +/-
Regulated by contract
Publishers

AND YOU TOO!

CRKN recurring annual cost savings since 2021

- Elsevier \$4.6M!
- Wiley \$401K
- Sage \$110K
- Cambridge + IOP + CAN Science:
break-even

NB: Recurring relative to alternative of paying for business-as-usual subscription with normal annual price escalation





WILL TRANSFORMATIVE
AGREEMENTS DISADVANTAGE
AUTHORS WHO DON'T HAVE
RESEARCH FUNDING TO PAY?

Maybe – if we do it wrong

- There's already enough money
- Low-resource countries are reading intensive – should benefit
 - Remember: OA improves equity
- Payments need not come from authors

Bottom line:

Transformative agreements can
achieve open access without
making other problems worse

THE PERFECT IS THE ENEMY OF THE
GOOD

We Can Do It!



J. Howard Miller '43
POST FEB. 15 TO FEB. 28



WAR PRODUCTION CO-ORDINATING COMMITTEE