

The Dynamics in Scholarly Communication and the Move to Open Access

Dr Ralf Schimmer
Max Planck Digital Library
Munich, Germany

Meeting at National Institute of Informatics
Tokyo, 12th March 2014



MAX PLANCK
digital library

Outline

- Open Access in the Max Planck Society
- Publication data analyses
 - Facts & figures on publications, citations and publisher shares
 - Demonstration of how much Open Access is already a reality in the Max Planck Society
- Open Access transition: the key example of SCOAP³

Berlin Declaration & Mission Statement

Berlin Declaration on Open Access to Knowledge in the Sciences & Humanities, 2003

<http://openaccess.mpg.de/Berlin-Declaration>

(Initiated by MPG & signed by 470+ scientific institutions, including all major German & many leading international research organizations)

“Our mission of disseminating knowledge is only half complete if the information is not made widely and readily available to society.”

“...full exploitation of the internet...”

Mission Statement at the Berlin 11 Open Access Conference of the Max Planck Society, 2013

http://openaccess.mpg.de/mission-statement_en

“... a stable, competitive, and quality-assured OA research publishing system offers immense benefits not only to scholarship but also to society as a whole. ... organisations that perform and support research, particularly those using public money, have a responsibility to work together globally to realise these benefits. It is time to return control of scholarly publishing to the scholars.”

MPG Rules of Good Scientific Practice (2009, Sect.1c)

“Make research results achieved with public funds freely available wherever possible.”

Open Access position of the Max Planck Society (MPG)

Green road

- Institutional repository
- Self-archiving of subscription-journal paper (author manuscript)
- Recommendation but no mandate

Hybrid OA

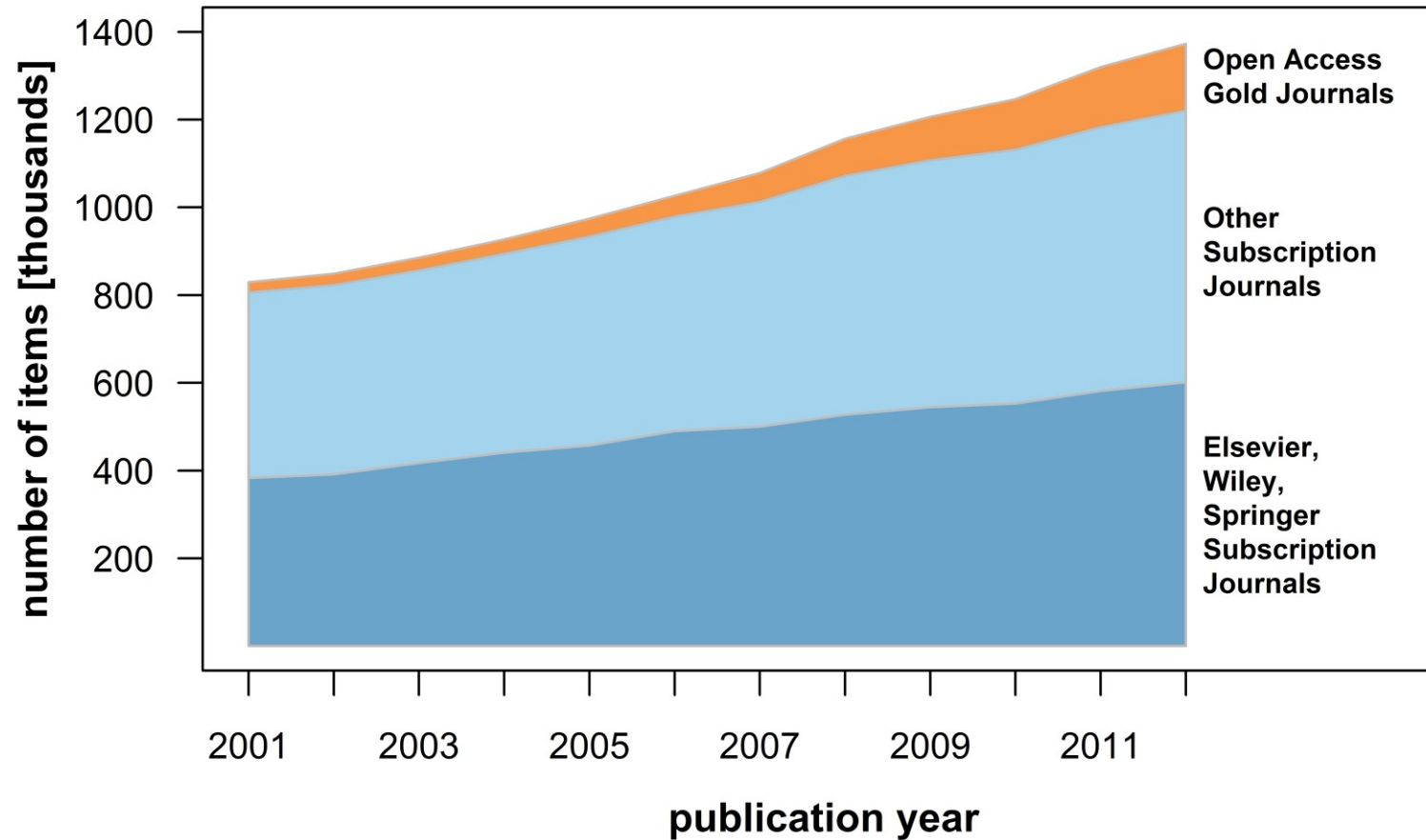
- Need for new concepts

Gold road

- Immediate Open Access publishing
- Service agreements with Open Access publishers
- Direct billing scheme (in order to remove administrative burden from authors)

- The Max Planck Society is a firm believer in Open Access
- We regard the current subscription system as dysfunctional and outdated
- It must be replaced by a truly Open Access system with new services and funding scheme
- We believe there is already enough money in the system, which must be utilized in new ways

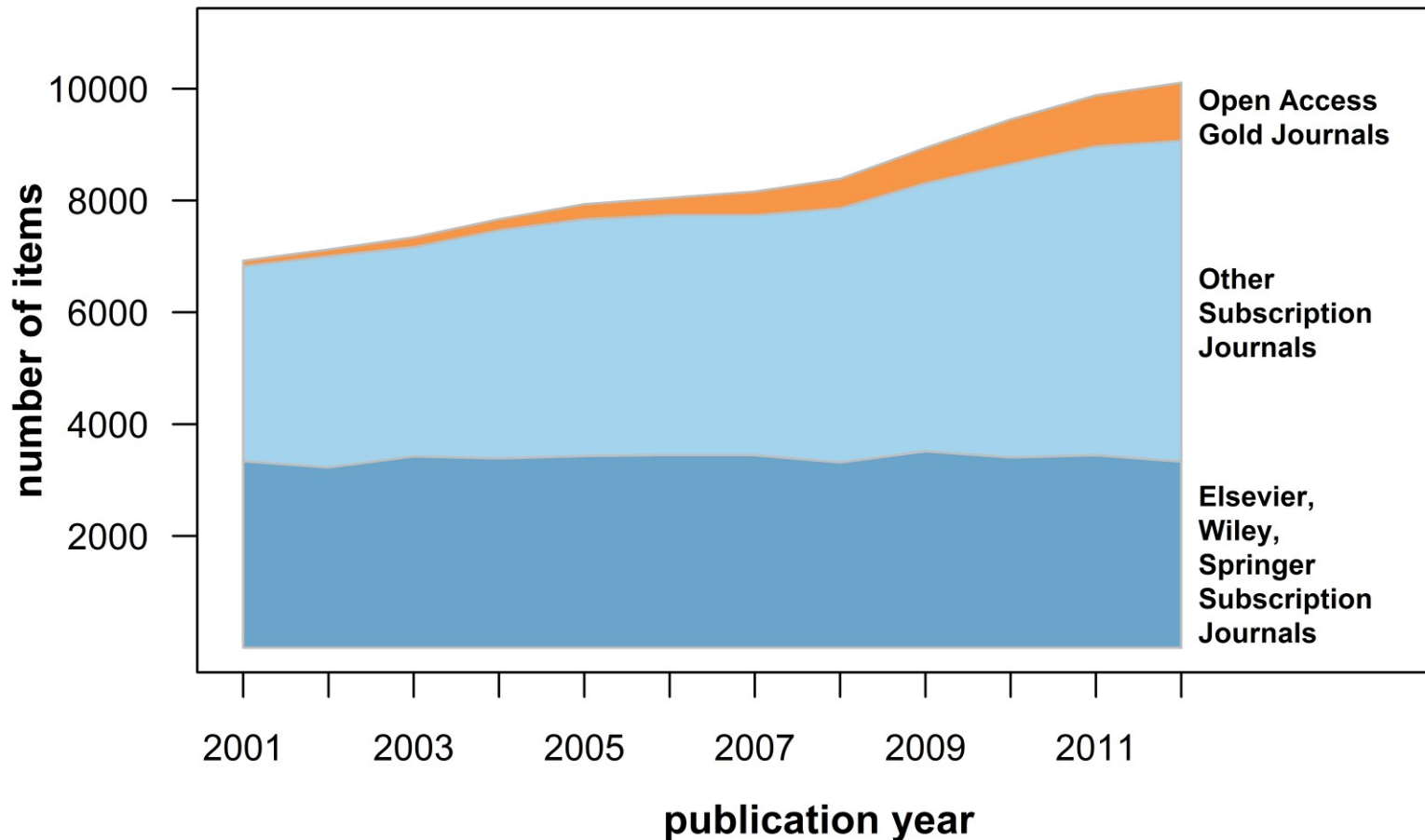
development of publication shares number of articles and reviews in Web of Science



Open Access as most dynamic growth area; more than doubling in last years

But when we look at the publisher distribution of the Max Planck Society output, a clear decline of relevance of the major publishers can be detected. The same pattern is reflected also in the citation patterns.

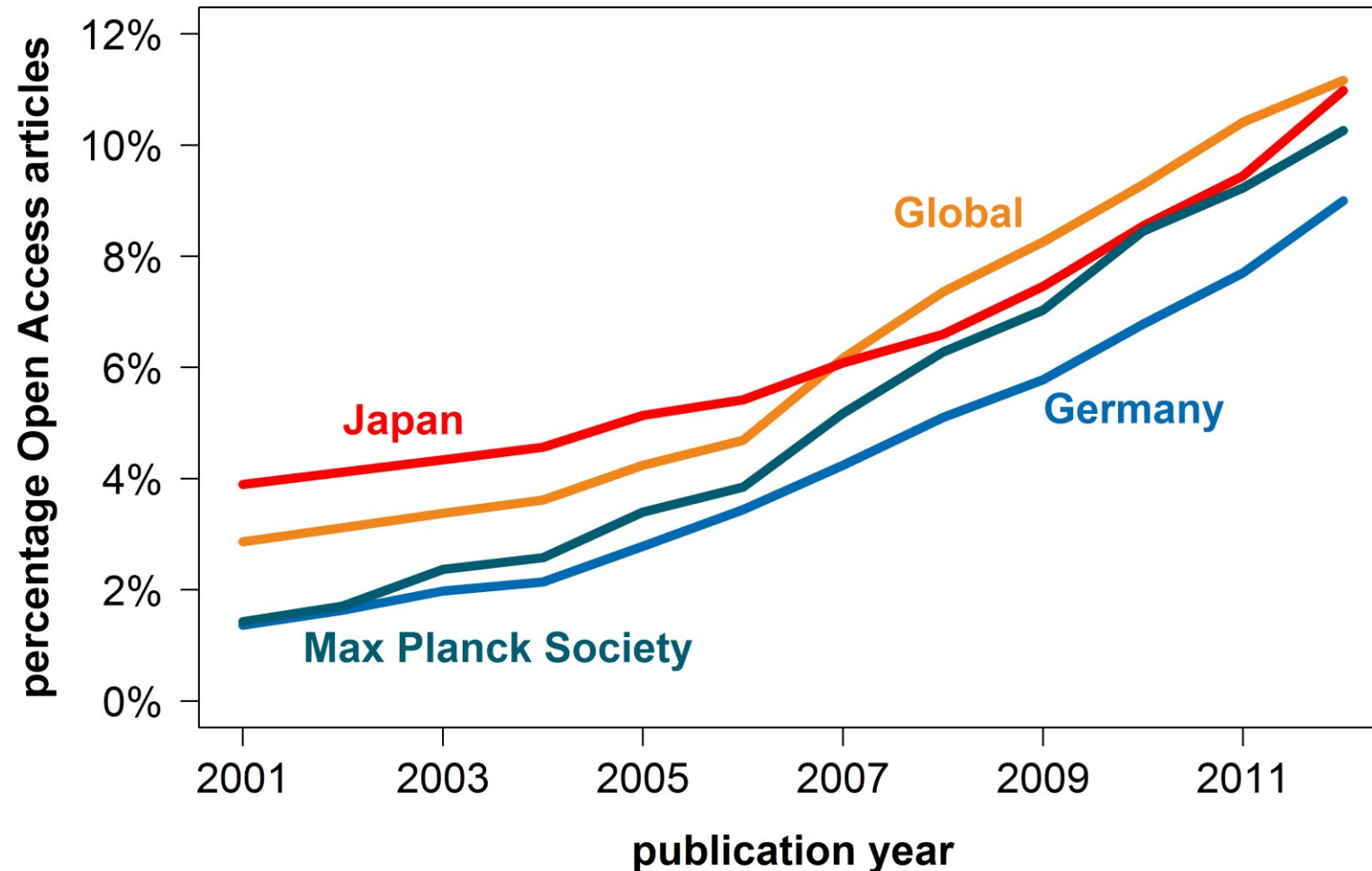
development of MPG publications number of articles and reviews in Web of Science



Significant decrease of
relevance of major
publishers: 50% => 33%

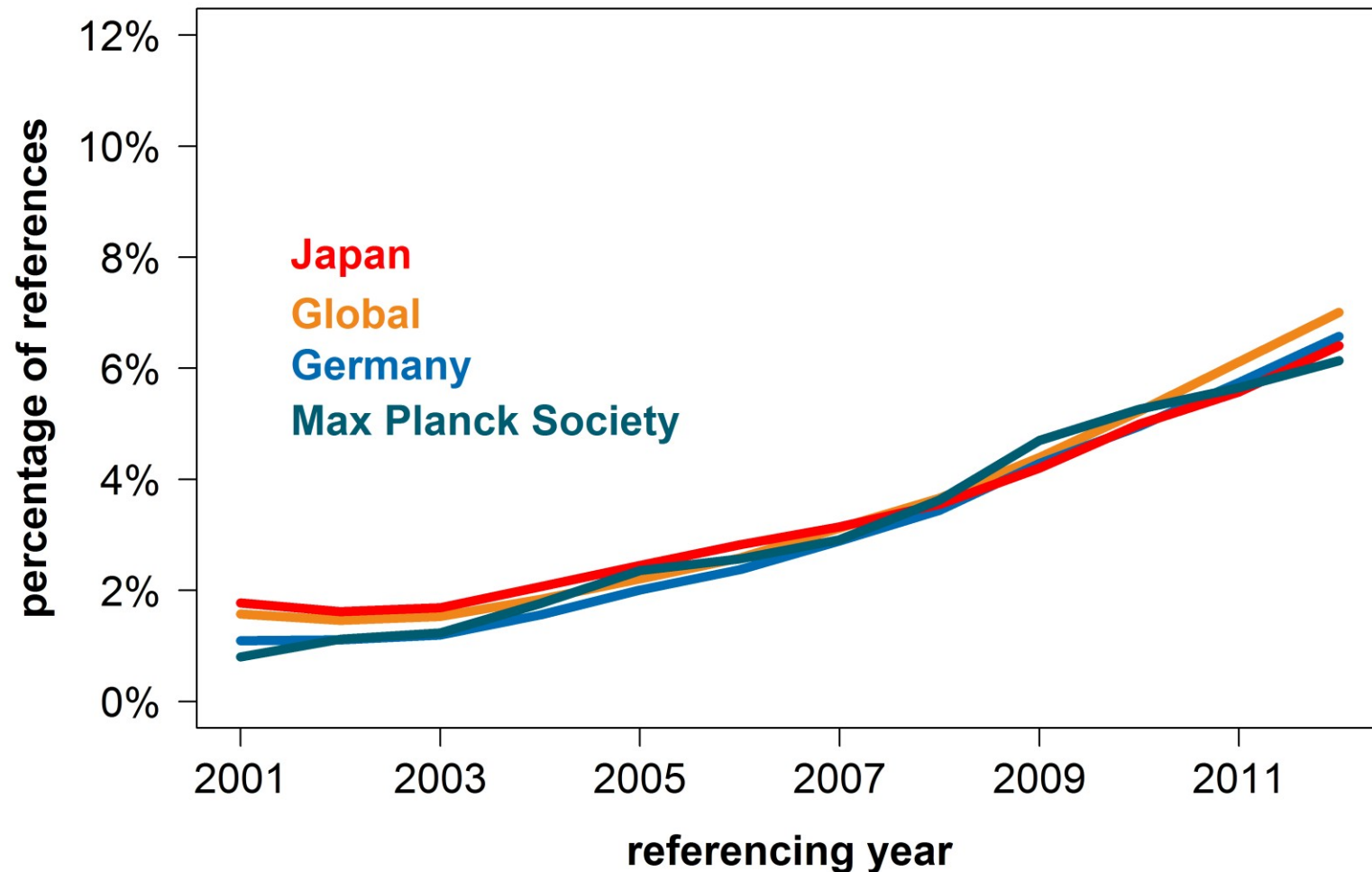
The OA growth rate is significantly steeper than the overall article output rate.
Japan, Germany and MPG are all following the global trend.

Open Access Gold share in Web of Science articles and reviews

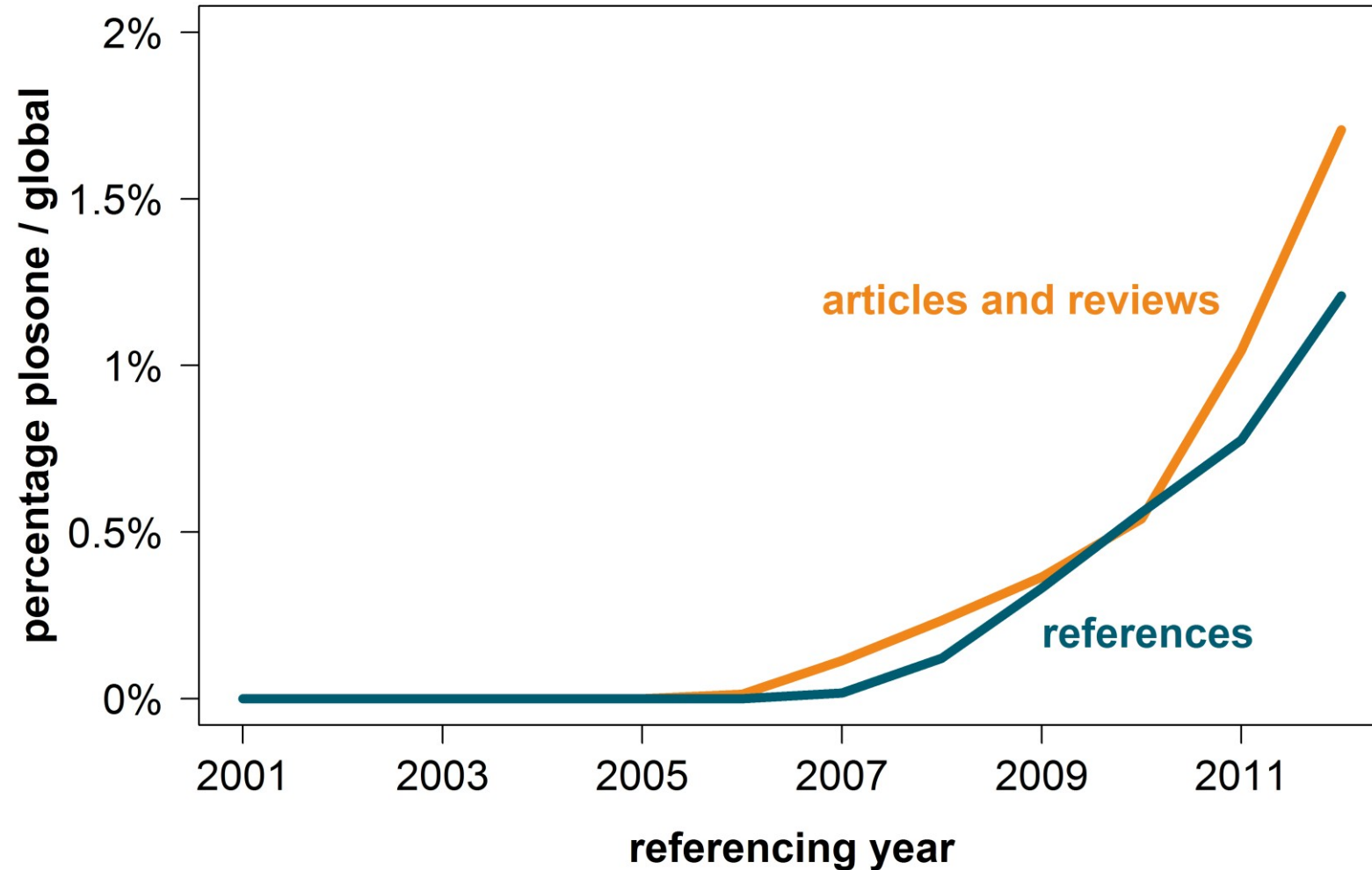


When we analyze the references in the papers of a given jurisdiction that go to OA publications (based on a 3-year window), Japan, Germany and MPG are all on the global trend line.

Open Access Gold share in Web of Science references

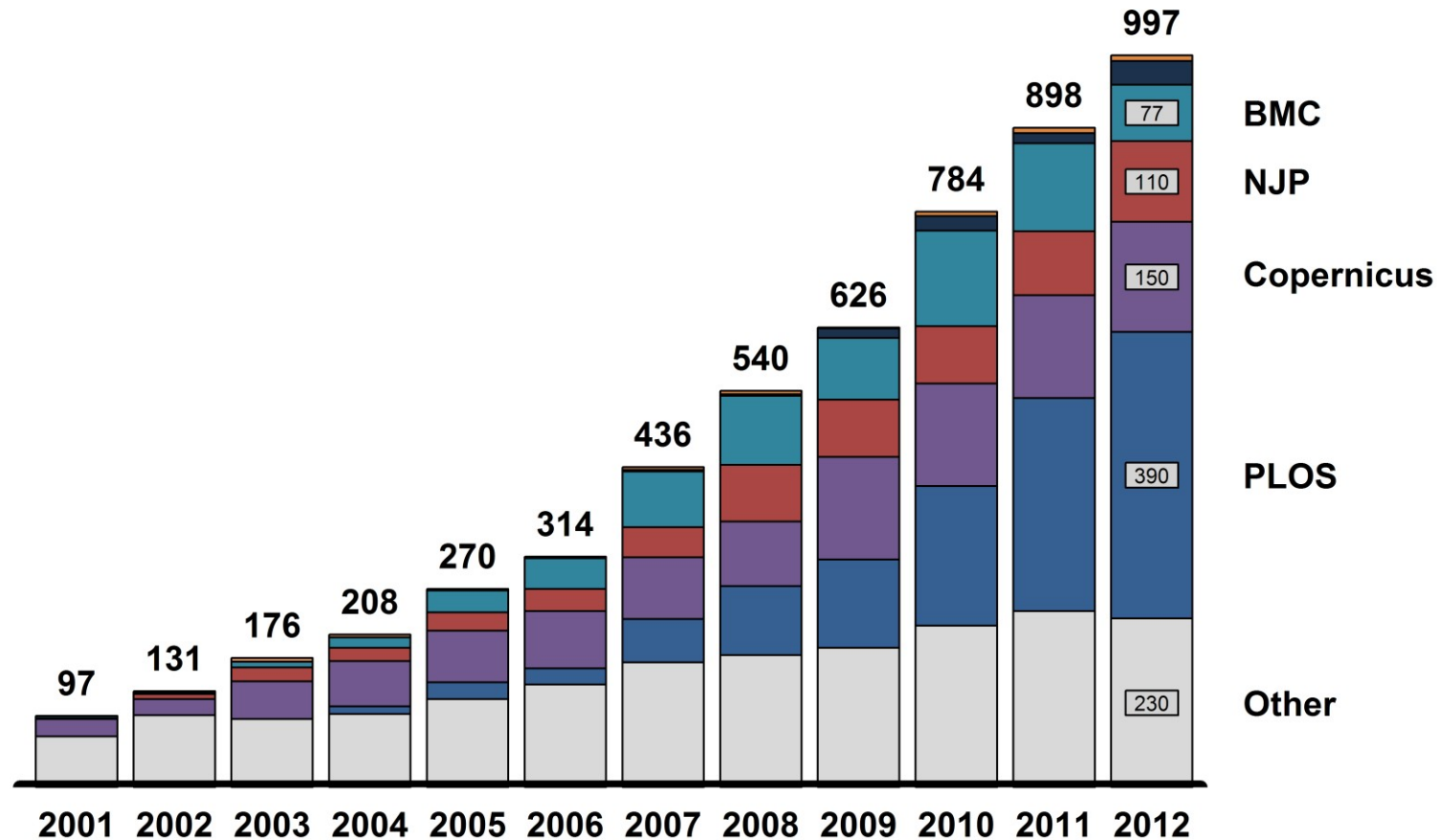


PLoS ONE share in Web of Science



MPG Published Articles - Open Access Gold

annual number of articles and reviews as indexed in Web of Science

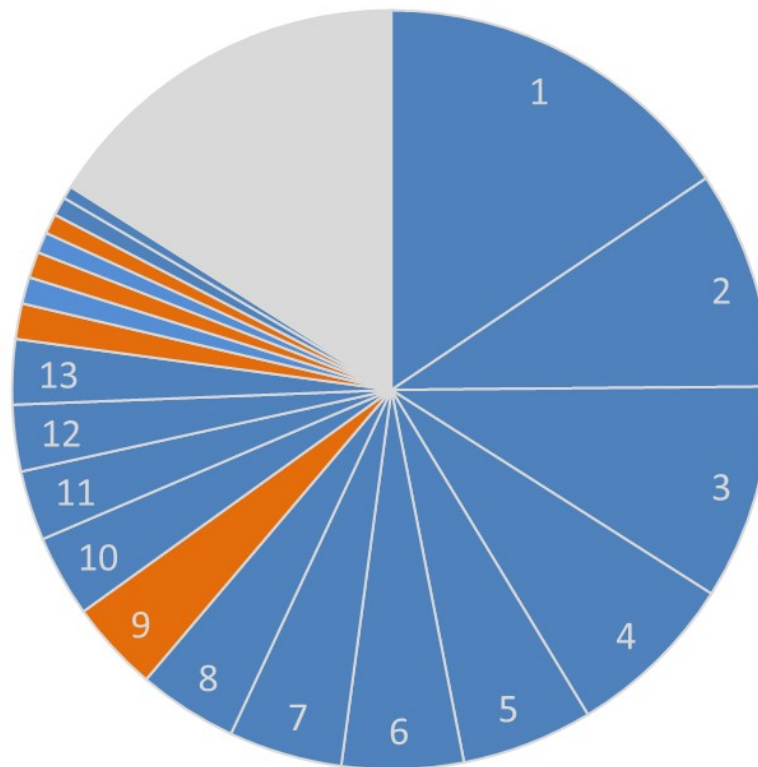


The share of articles where MPG is bearing the costs is consistently in the range of 50-60% of articles across publishers. In the years 2009-2012, the average APC costs were in the range of 1,100 EUR per article.

85% of all Max Planck Society article publications go to only 20 publishers. Among them are already 4 pure OA publishers. With this limited number of contractual relations, the vast majority of our output can be covered.

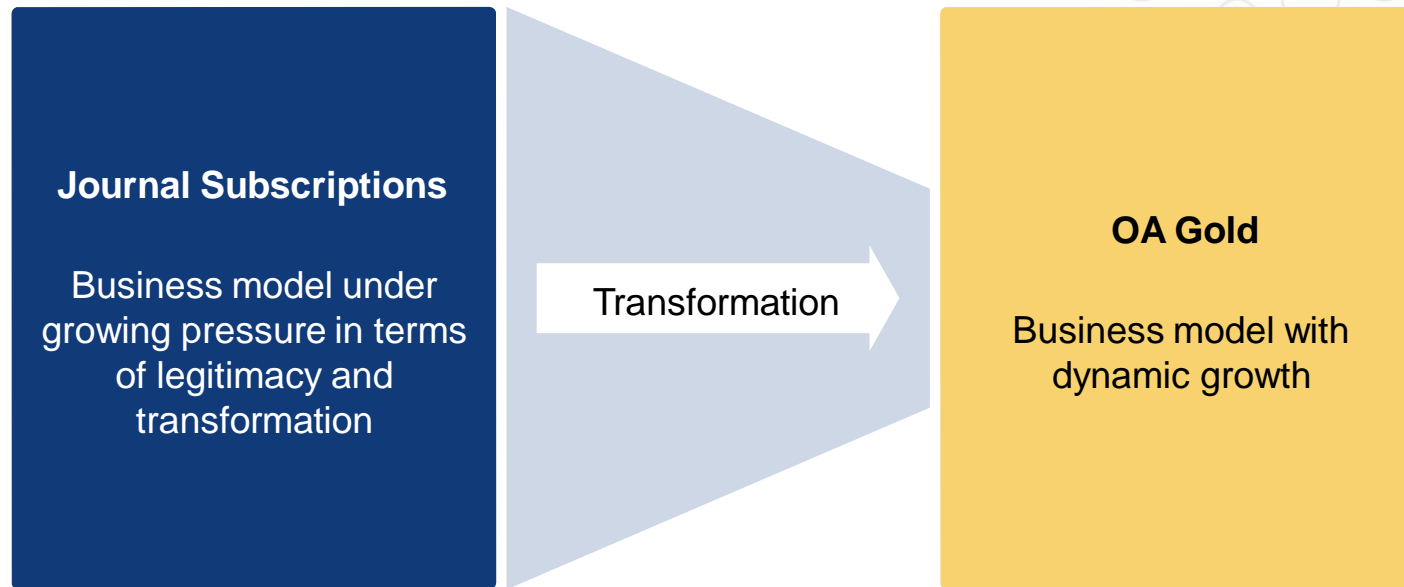
MPG publications by provider / OA Gold articles and reviews in Web of Science 2012

The 20 key providers of the
Max Planck Society make up
85% of the article output;
4 of them are OA publishers.



Source: MPDL analysis

The current existence of two realities with growing pressures toward OA



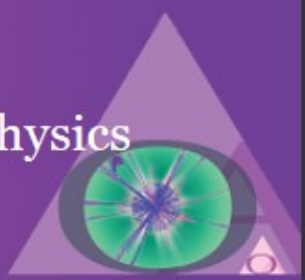
At the moment two distinct spheres of activity and funding but with growing pressures:

- transformation
- re-organization
- re-design of financial flows

Providing new context –
for research institutions,
publishers & libraries

“Change is inevitable – need to recognize this, embrace it and manage it”

(Dame Janet Finch, Presentation at *Academic Publishing in Europe* Conference, 29 Jan 2013)



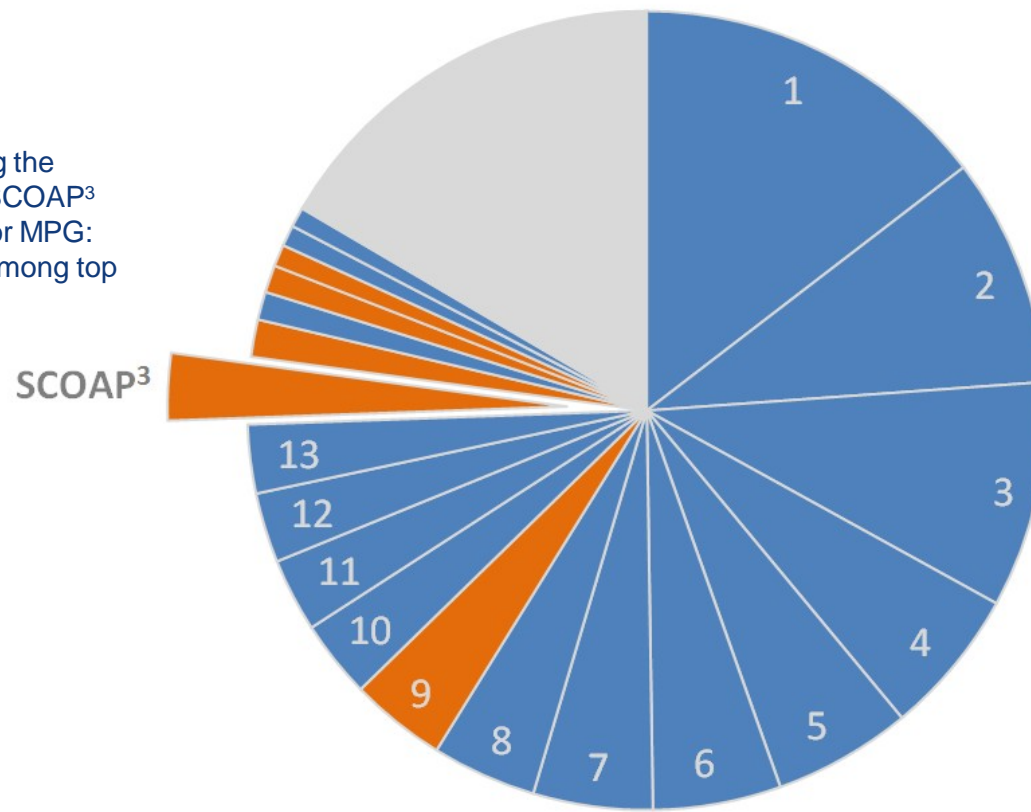
in operation since 1 January 2014

SCOAP³ as a groundbreaking OA conversion model

- Successful conversion of existing high-energy physics (HEP) journals from their previous subscription-based model to full open access, e.g.
 - Springer: *Journal of High-Energy Physics*; *European Physical Journal C*
 - Elsevier: *Nuclear Physics B*; *Physics Letters B*
- The services of publishers are fully acknowledged
 - Quality assurance in the publication process (peer review and editorial services)
 - Provision of the final published versions
- Payment streams to be re-directed from subscriptions to cover the publishing costs
 - Using the money that is already in the system
- Enormous effort and success of the library community worldwide
 - Important role of National Institute of Informatics (NII) in coordinating and representing the Japanese libraries
 - Libraries are key organizers of OA services and funding

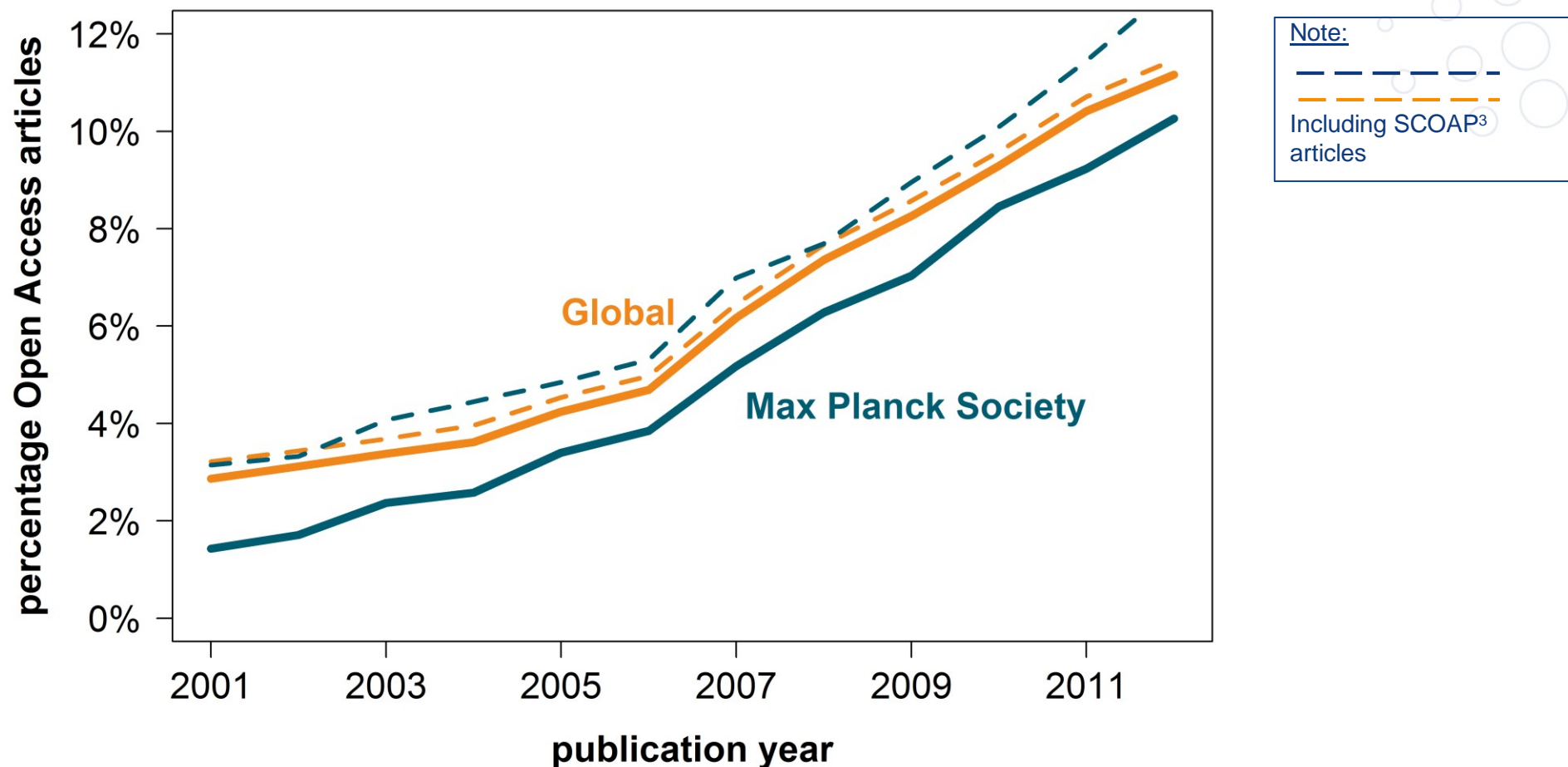
MPG publications by provider / OA Gold articles and reviews in Web of Science 2012

Demonstrating the
relevance of SCOAP³
publications for MPG:
immediately among top
15 providers



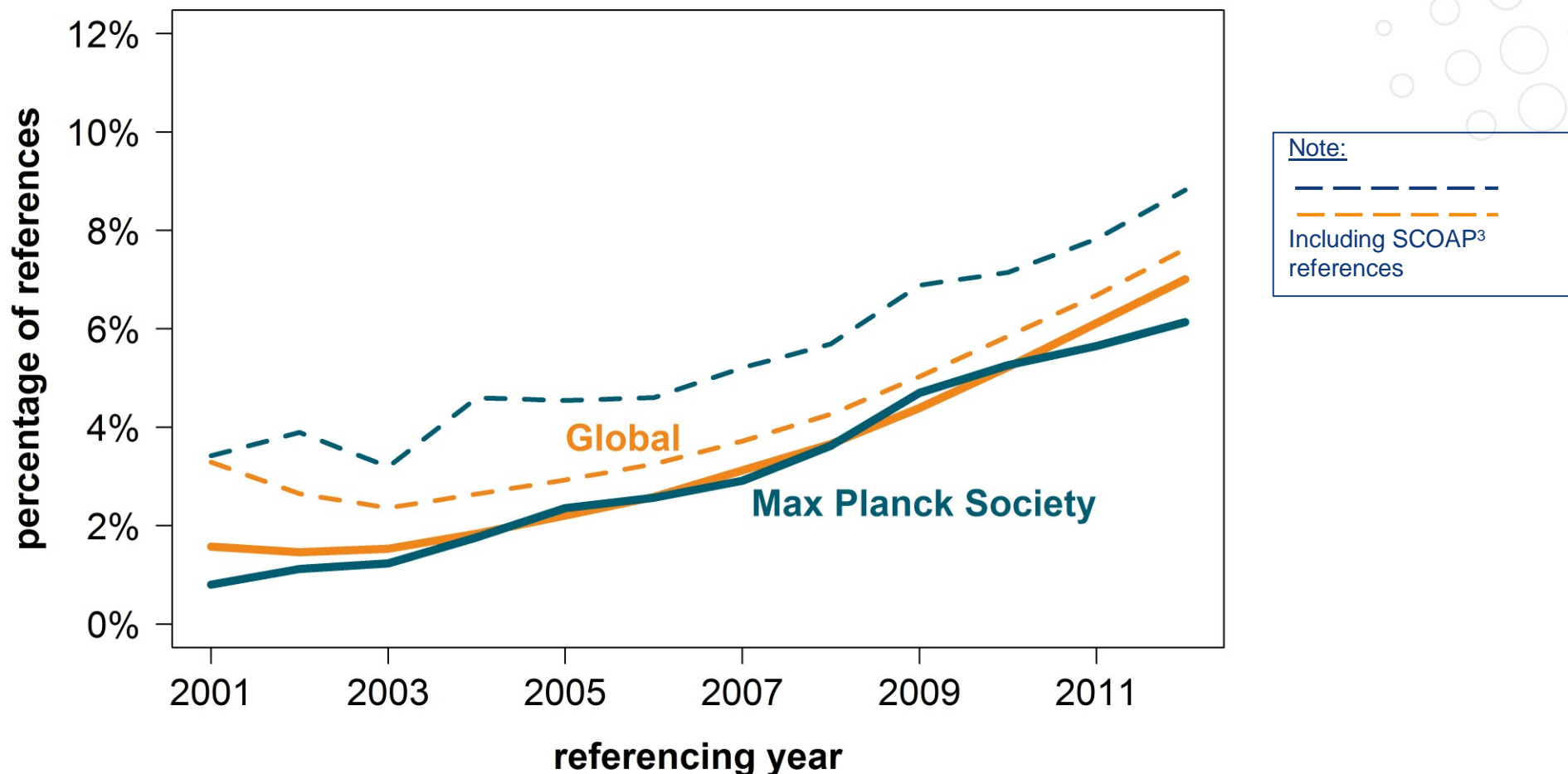
Calculating the effects of SCOAP³: article output

Open Access Gold share in Web of Science articles and reviews



Calculating the effects of SCOAP³: references in MPG publications

Open Access Gold share in Web of Science references



Summary

- Open Access is growing very dynamically
- Open Access can also be shown to have great relevance for scholars: it is used and cited
- From the perspective of the Max Planck Society, we need more journal conversions from the current subscription system to Open Access business models
- SCOAP³ is setting a new standard, which we hope will soon be followed by others

Final word

While other libraries still debate whether they should have a role in Open Access,

we at the Max Planck Digital Library see Open Access already at the very core of our strategic and operational set-up.

Derived from our general mission:
We want to be with our services where our researchers are with their activities and expectations – and they are clearly going into Open Access.

Thank you very much for your attention!

Dr Ralf Schimmer

mailto: schimmer@mpdl.mpg.de



Questions?