

Open Access – State of Play

2nd Open Access Ambassadors Conference

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Open Access: Two Basic Goals



- All research builds on former work and depends on the possibilities for scientists to access and share scientific information.
- **Open Access** is about **accessibility**, and about the possibility to **re-use** scientific information in other contexts without financial, technical or legal barriers



The right to re-use is the right to create new value

Scholarly Benefits of Open Access



- Greater visibility of research results
- Improved refereeing processes
- A revolution in scientific search and information retrieval
- Innovative new information services
 - some of them commercial
- Fostering interdisciplinary research by broadening access
- Providing access to non-research interests
 - SMEs, community professionals, education



Colors of Open Access



- | | |
|--|---|
| <ul style="list-style-type: none"> ▪ Green OA delivered by repositories <ul style="list-style-type: none"> ▪ 'self-archiving' | <ul style="list-style-type: none"> ▪ Gold OA delivered by journals <ul style="list-style-type: none"> ▪ 'Open Access publishing' |
|--|---|



Colors of Open Access



■ Green

OA delivered by repositories

- 'self-archiving'



■ Gold

OA delivered by journals

Atmospheric Chemistry and Physics
An Interactive Open Access Journal of the European Geosciences Union



MPG likewise supports the green and the gold road to Open Access

OA Implementation @ MPG



Rules of Good Scientific Practice

Regulations governing the publication of results

- research results achieved with public funds should be made freely available wherever possible.

Rules for Scientific Advisory Boards

OA has to be addressed in the institute's status report

- description of efforts to promote unrestricted and long-term access to research findings, e.g., the repository of the Max Planck Society, own open-access archives, open access journals, etc.


A Selection of OA Milestones



- 2003 • Berlin Declaration
- 2013 • Science Europe Principles on OA
• GRC Action Plan on OA
- 2016 • EU Council Conclusions

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A Selection of OA Milestones





- 2015 • MPDL White Paper
- 2016 • OA2020
- 2018 • Plan S
- 2019 • DEAL

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Berlin Declaration on Open Access




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

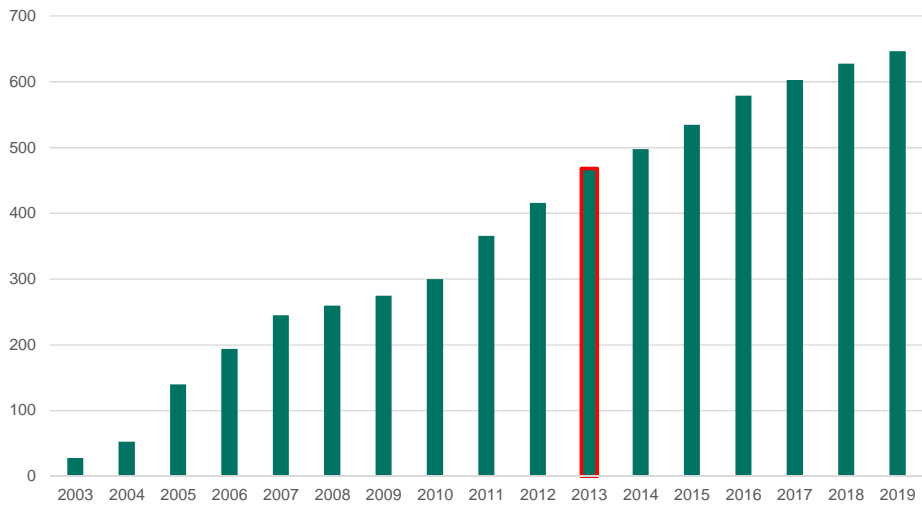
Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities (22.10.2003)

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Berlin Declaration on Open Access



■ Signatories



Year	Number of Signatories (approx.)
2003	25
2004	50
2005	140
2006	190
2007	240
2008	260
2009	270
2010	300
2011	360
2012	410
2013	470
2014	500
2015	530
2016	580
2017	600
2018	630
2019	650

as of December 2019

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10 Years Later



General statements

- The publication and dissemination of results are an integral part of the research process
- The allocation of resources within the research system must take this into account



Future research publication system

- Replacing the present subscription system
- Free access without undue publication barriers, and the opportunity to re-use information;

April 2013 / updated May 2015

10 Years Later



- In order to increase their return on investments, research councils encourage open access to all results from publicly funded research which originated from their funding.
- In transitioning to open access, **efficient mechanisms to shift money from subscription budgets into open access publication funds** need to be developed. Such mechanisms require clear cost structures, precisely defined publication services, and **transparent pricing models**.



GRC Action Plan on OA (2013)

10 Years later 



OPEN  ACCESS

10TH ANNIVERSARY OF THE
BERLIN DECLARATION

Berlin Open Access Conference · 19–20 November 2013 in Berlin, Germany

BERLIN  11
STUDENT AND EARLY STAGE RESEARCHER
SATELLITE CONFERENCE

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10 Years later 



BERLIN  11
STUDENT AND EARLY STAGE RESEARCHER
SATELLITE CONFERENCE



OPEN ACCESS AMBASSADORS



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European Union



“ON THE TRANSITION TOWARDS AN OPEN SCIENCE SYSTEM”

THE COUNCIL OF THE EUROPEAN UNION

- TAKES NOTE that **open access to scientific publications** and optimal reuse of research data are **of utmost importance for the development of open science**;
- WELCOMES **open access to scientific publications as the option by default** for publishing the results of publicly funded research;

What does it take to make Open Access the default in scholarly communication?

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Council Conclusions 27.05.2016 | SEITE 15

A Selection of OA Milestones


2015

- MPDL White Paper

2016

- OA2020

2018

- Plan S

2019

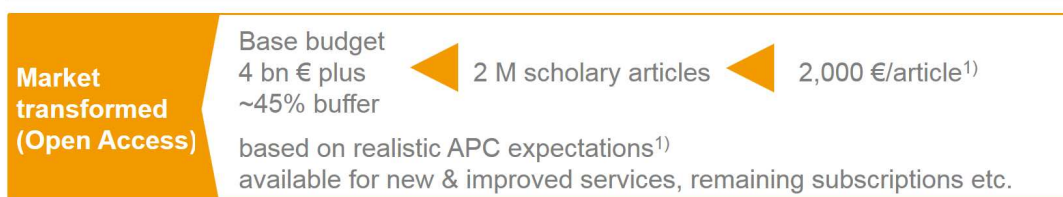
- DEAL

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MPDL White Paper “There is enough money in the system”



The global scholarly journal market and its financial dimensions (2015)



An OA transformation seems to be possible without financial risks

(2015)

¹⁾ The empirical values of SCOAP3 are ~1,100 €/article; for MPG and for DFG funded universities in Germany they are ~1,250 €/article

OA2020: The rationale



- **Open Access on a large scale** can be accomplished if we change the business model of the existing scholarly journals and spend our library budgets for publishing services instead of for getting reading access, i.e. instead of for subscriptions.
- This transformation **will affect only the underlying cash flows**, and not the publishing process itself nor the roles of researchers, journals and publishers.

TODAY'S SCHOLARLY JOURNALS
OPEN, RE-USABLE, SUSTAINABLE

OA2020: Expression of Interest



- **Transform** a majority of today's scholarly journals **from subscription to OA publishing**
 - in accordance with community-specific publication preferences
- **Convert resources** currently spent on journal subscriptions into funds to support sustainable OA business models
 - re-organize the underlying cash flows
- Establish **transparency** with regard to costs and potential savings
- Adopt mechanisms to **avoid undue publication barriers**

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| SEITE 19

OA2020: A Global Initiative



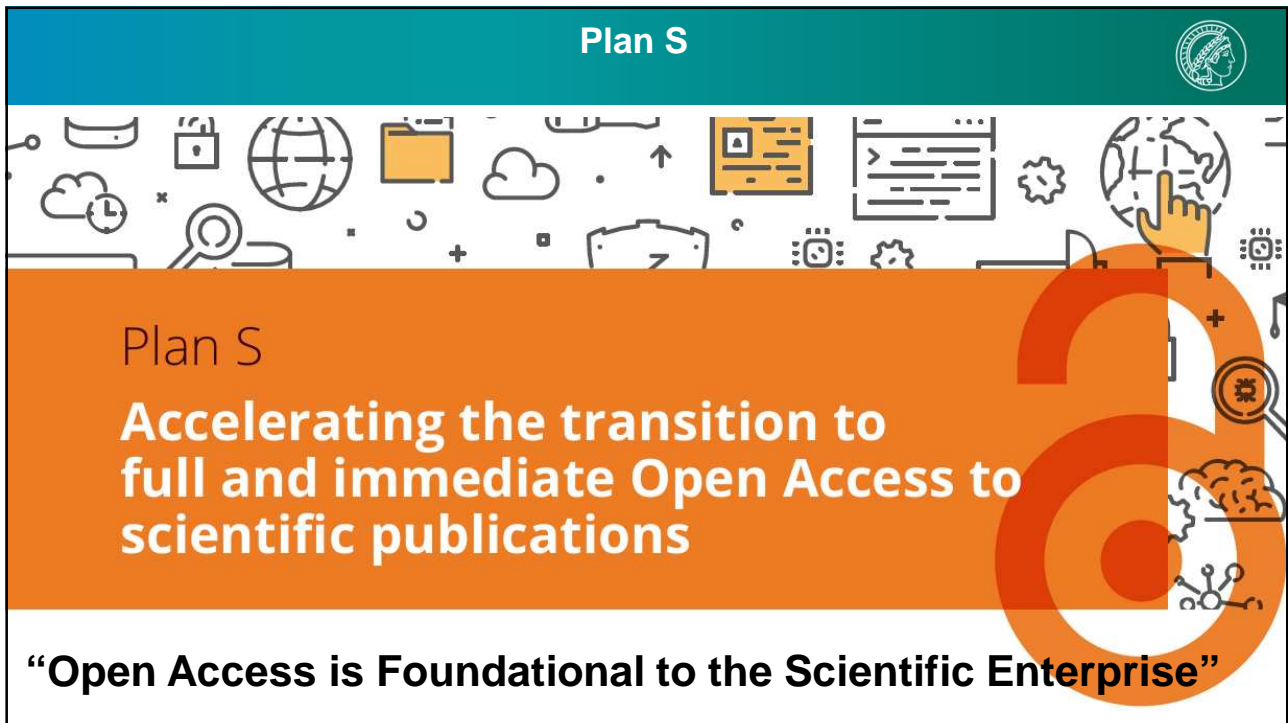
139 institutions have signed the Expression of Interest



December 2019

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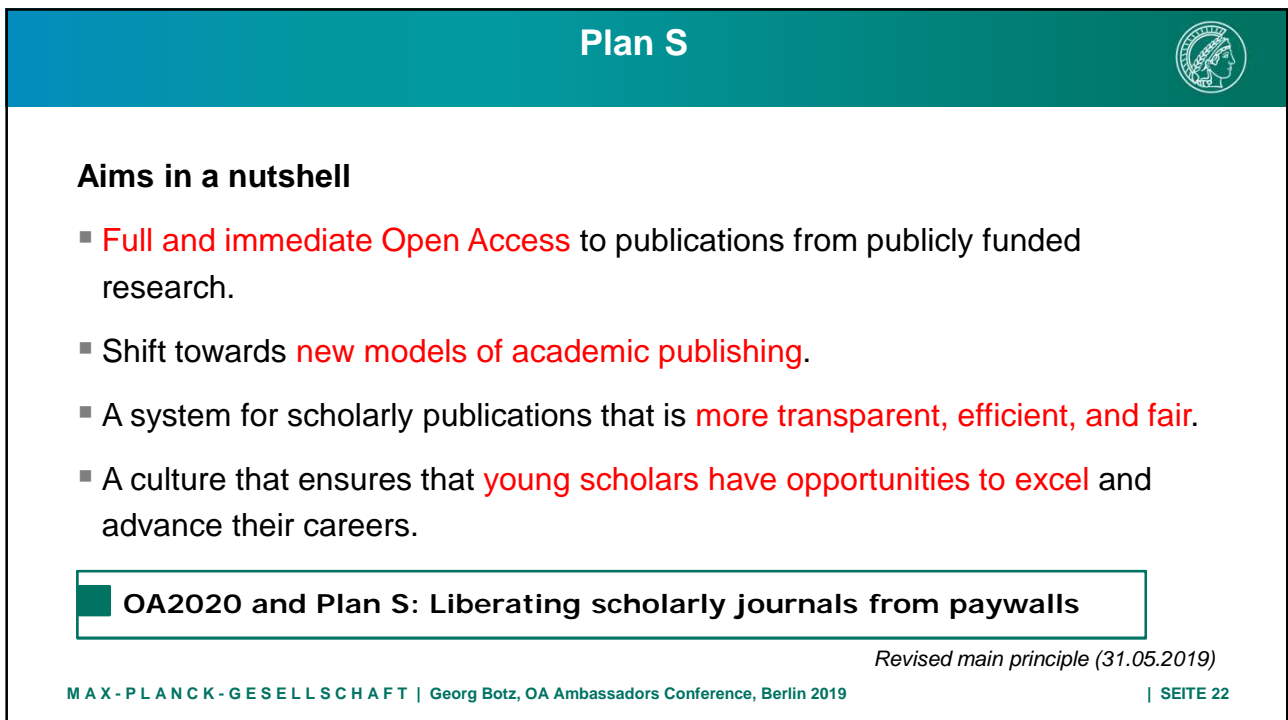
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Plan S

Plan S
Accelerating the transition to
full and immediate Open Access to
scientific publications

“Open Access is Foundational to the Scientific Enterprise”



Plan S

Aims in a nutshell

- **Full and immediate Open Access** to publications from publicly funded research.
- Shift towards **new models of academic publishing**.
- A system for scholarly publications that is **more transparent, efficient, and fair**.
- A culture that ensures that **young scholars have opportunities to excel** and advance their careers.

OA2020 and Plan S: Liberating scholarly journals from paywalls

Revised main principle (31.05.2019)

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OA state of Play: How it started



*Press conference on occasion of signing the
Berlin Declaration on October 22, 2003*

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Open Access: The Way Forward



“I am convinced that we need your brightest ideas not only in science but we need your enthusiasm, too, to change the current system of scholarly communication in order to realize its full potential for the science community and for the society as a whole.”

Prof. M. Stratmann, OpenCon 2017

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| SEITE 24