

# INTACT - Collecting datasets on fee-based Open Access publishing



# 1) INTACT

- 2) Why monitoring Open Access publications
- 3) Open Access Analytics
- 4) Open APC
- 5) ESAC
- 6) Summary

# „INTACT - Transparent infrastructure for open access publication fees“

Granted by DFG for three years (official start in 2015-10)

Overall goal of INTACT:

Establishing workflows for a transparent and efficient handling of costs, which arise by publishing Open Access

The ongoing transition of the subscription market into Open Access with costs needs a valid empirical foundation and can only be realised by standardized reporting and business processes

# Institute for Interdisciplinary Studies of Science (I2SoS)

Universität Bielefeld I2SoS

University | Faculties | Information for  University from A-Z

Bielefeld University > I2SoS

Navigation

- ☰ I2SoS
- ☰ Mission
- ☰ Program
- ☰ Staff
- ☰ Projects
- ☰ Mailing List
- ☰ Study Course HEPS
- ☰ Study Course HPSS
- ☰ Minerva
- ☰ BiCoDa
- ☰ Faculty

Institute for Interdisciplinary Studies of Science (I2SoS)

I2SoS is the basis for a network of researchers studying the natural, technical and social sciences in the modern world, with a common focus on the impact of modern societies on the scientific enterprise. I2SoS researchers come from history, philosophy, economics, psycholinguistics, sociology, and related disciplines. Our research program focuses on the shaping of the sciences by politics and economics. How does the epistemological value system of the sciences react to the pressure exerted by social needs and economic constraints? Thus, our joint outlook is a social epistemology of science. We develop methodologies for measuring the communication system of science, and we strive to foster the dialogue between the sciences and the humanities, inside and outside our university.

I2SoS is located at the **Department of History, Philosophy, and Theology** of the University of Bielefeld. Our activities include a weekly colloquium, study groups, and workshops. I2SoS is connected to the international journal **Minerva**, edited by Peter Weingart. At the heart of our educational activities is the Master program "**History, Philosophy, and Sociology of Science**" (HPSS) and the new Master program "**History, Economics and Philosophy of Science**" (HEPS). Currently, the following research groups are connected to I2SoS:

News

→ **I2SoS Colloquium**

→ **I2SoS mailing list**

New Study Course: → **HEPS**

→ **Values & Theories:** A workshop on the occasion of Martin Carrier's 60th birthday. 12 October 2015, ZiF.

I2SoS has been established by the Faculty of History and Philosophy and Theology on July 3, 2013



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- ✦ Besucherrekord bei der 10. Lesenacht in der Universitätsbibliothek – Paul Maar begeisterte bei der Abschlusslesung und in zwei weiteren Lesungen vor Schulklassen am nächsten Tag


## Schulungen


- ✦ Literatursuche für Studierende der Wirtschaftswissenschaften am 01.12., 14:15 Uhr
- ✦ Einführung in die Literaturverwaltung mit Citavi für Gesundheitswissenschaftler am 03.12., 08:30 Uhr
- ✦ Einführung in die Literaturverwaltung mit Citavi am 04.12., 12:15 Uhr
- ✦ Juristische Literaturrecherche am 08.12., 15:15 Uhr

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# Max Planck Digital Library (MPDL)

MAX PLANCK digital library

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Digital Object Identifier  
2015 | 08

Start

## Max Planck Digital Library

Digital information has become indispensable to the daily routine of every researcher, in fields from educational research to astrophysics, from coal research to chemical ecology. An article is downloaded every second, a new publication goes out every 10 minutes. Research data, delivered in highly organized form. It is MPDL's goal to enable and orchestrate this information flow for all Max Planck Society researchers.

MPDL has faced up to this enormous responsibility for over a decade. Based on the generous funding of the Heinz Nixdorf Foundation <sup>®</sup> it became the Center of Information Management of the MPG. It owes its prestigious reputation to its tangible successes and wide diversity of services, as well as its unfailing readiness to address new challenges and projects and to add to and enhance the proven tool-kit of scientific information management.

The digital opportunities open to mankind and science double every 18 months. Through their expertise and dynamism, MPDL's employees contribute day on day to securing the Max Planck Society's position as a leader in international competition, now and in the future.

The wire in this website's design symbolizes the tension between the priorities of sustainable service and innovation as well as the underlying themes of information flow and agility.

Take a look around. We look forward to welcoming you and your inquiries.

INTACT unites three initiatives:

Bibliometric analysis of fee-based OA publishing in academic institutions: OA Analytics (I2SoS)

Open APC (Bielefeld UL)

Efficiency and Standards for Article Charges (ESAC, MPDL)



- 1) Introduction
- 2) Why monitoring Open Access Publications**
- 3) Open Access Analytics
- 4) Open APC
- 5) ESAC
- 6) Summary

# Rise of a market for Open Access APCs

*Open access publishing*

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## Developing an Effective Market for Open Access Article Processing Charges

Bo-Christer Björk and David Solomon

March 2014

# Rise of Offsetting-models



The screenshot shows a Jisc website page. At the top, the Jisc logo is on the left, and navigation links for News, Blog, Events, Podcasts, Jobs, About, and Contact are on the right. Below the logo, there are links for Digital resources, Network & technology, Advice, and R&D. A search bar labeled 'Search Jisc' is on the right. The main content area shows the breadcrumb 'Blog > Offsetting agreements for open access publishing' and a 'Blog' category tag. The article title is 'Offsetting agreements for open access publishing' by Liam Earney, dated 13 April 2015. The article text discusses the cost of publishing in open access (OA) and mentions a sharp increase in article processing charges (APCs) from UK universities' central funds. A sidebar on the right contains 'Most read' and 'Related' sections with several article titles.

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Blog > Offsetting agreements for open access publishing

Blog

## Offsetting agreements for open access publishing

by [Liam Earney](#) on 13 April 2015

Last year my colleague [Lorraine Estelle](#) blogged about how we've unpicked the full cost of publishing in open access (OA). She reported a sharp increase in article processing charges (APCs) from UK universities' central funds, particularly over the previous two years.

### Modelling the true cost of publishing in open access

Lorraine also described our work on modelling and how much it really costs universities to comply with open access policies. During the course of that work it emerged that, even back in 2013, APCs represented an average of 10% of the cost of publication, with administration of those charges adding more to the total figure.

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# Rise of Offsetting-models



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## News

### Springer and universities take key step towards open access

Thursday 20 November 2014

#### Press release

**The Springer publishing group and the Dutch universities have reached a negotiation agreement on the transition to open access. Both parties see open access publishing as the road to the future. 'We're confident that this agreement with Springer marks a key step in the right direction', said Koen Becking, president of Tilburg University and chief negotiator for the Association of Universities in the Netherlands (VSNU). 'It means scientists in the Netherlands will be able to publish in open access format in existing Springer journals, while retaining reading privileges to these journals as well.'**

State Secretary Sander Dekker (Education, Culture and Science) has responded enthusiastically to these developments. 'I'm happy to hear that Springer has taken its responsibility seriously and that the ambitions of both parties on open access have taken hold in the agreement. It is of tremendous importance that major publishing firms such as Springer recognise that open access represents the future of academic publishing. The agreement between the universities and Springer is therefore an important step in the right direction. Sharing knowledge, a fundamental aspect of open access, is an important driver of innovation in the Netherlands. It's clearly advantageous for many professions: doctors have access to medical research, school teachers can use the latest insight from the educational sciences in their classes.'

#### Negotiations

Agreements on subscription fees are made for all the Dutch universities with the individual scientific journal publishers, as part of the so-called 'Big Deal' negotiations. The universities are only prepared to renew the agreements on subscriptions if the publishers take steps towards open access. Several publishers are hesitant to take these steps, given the drastic changes in their revenue model this transition would cause. Yet the negotiations with Springer prove that these steps can be taken.

#### Open access improves access to science

The Dutch universities and the Dutch government are very much in favour of opening access to academic publications. Open access publications are easier to find, more frequently quoted and reach a larger audience – benefiting not only science, but society and the economy at large. According to targets set by State Secretary Dekker for Education, Culture and Science, five and ten years from now 60% and 100% of all Dutch academic publications, respectively, should be open access publications. A great deal of academic research is funded by public means. The Dutch universities aim to prevent a situation in which users ultimately have to pay twice for consulting open access publications.

Click [here](#) for the release of Springer publishing group.

#### End

For more information please read our page on [open access](#), the [frequently asked questions](#) and the [fact sheet](#).

# Rise of Offsetting-models



Taylor & Francis Group  
an **informa** business

Home > T&F Newsroom

## Taylor & Francis Newsroom



Taylor & Francis Group  
an **informa** business

January 2015, Oxford.

### New open access offset agreement for Austria announced

The Austrian Science Fund (FWF), the Austrian Academic Consortium (Kooperation E-Medien Österreich, KEMÖ), and Taylor & Francis Group have today announced a two year pilot which will offset article publishing charges paid by the Austrian Science Fund against subscription costs for KEMÖ members.

This offset amount will be used by the Austrian Academic Consortium members to reduce the costs of their new or existing subscriptions. In so doing, the agreement allows Taylor & Francis Group to fully acknowledge the funding provided by FWF for researchers to publish on an open access basis in the hybrid journals that make up Taylor & Francis Group's Open Select program.

Brigitte Kromp of the Austrian Academic Consortium (KEMÖ) said,

*"The members of the Austrian Academic Consortium highly appreciate this new agreement as it cumulates subscription fees and open access article processing charges on a national level, thus creating maximum transparency. We hope, and trust, that this agreement will offer a powerful incentive for more Austrian researchers to publish in Taylor & Francis journals on an open access basis."*





# Rise of Offsetting-models



The screenshot shows the website of the Max-Planck-Gesellschaft. The main navigation bar includes links for 'ABOUT US', 'PRESIDENT', 'INSTITUTES', 'RESEARCH', 'CAREER', 'INTERNATIONAL', 'VIEWPOINTS', and 'KNOWLEDGE TRANSFER'. A search bar is also present. The breadcrumb trail indicates the current page is 'Max Planck in-house' > 'Max Planck Society researchers to benefit from open access agreement with Springer'.

**OPEN ACCESS**

## Max Planck researchers to benefit from open access agreement with Springer

**It allows open access publishing without administrative obstacles or cost barriers**

October 21, 2015

Springer and the Max Planck Digital Library in Germany have signed an agreement which allows Max Planck researchers to publish their papers open access in more than 1,600 Springer subscription journals and access to over 2,000 Springer journals in total. The Springer Compact agreement, made for the first time with a large single research institution, combines reading and open access publishing in one payment scheme. A pilot in nature, its aim is to gain experience to help prepare a framework for a sustainable model of open access publishing and access to Springer's subscription journals.

Springer has already made similar pilot agreements with the Association of Dutch Universities and the Austrian Academic Library Consortium.

The Max Planck Society is a co-founder of the international open access movement. Making its scientists' research findings available for all to read, free of access barriers whenever possible, is a key aspiration of the society. The agreement with Springer will minimize the administrative burden and costs of open access publishing for Max Planck researchers, making the publishing process easier and more efficient.

Juliane Ritt, Executive Vice President Global Hybrid OA Initiatives at Springer, said: "I am very pleased that the Max Planck Society and Springer have agreed

**CONTACT**

**Dr. Ralf Schimmer**  
**Max Planck Digital Library (MPDL), München**  
 Phone: +49 89 38602255  
 Email: schimmer@mpdl.mpg.de

**FURTHER INFORMATION**

<http://openaccess.mpg.de/2365/en>

**RELATED LINKS**

**Max Planck Society buys the entire Springer Book Archives**  
 February 12, 2014

The Max Planck Society, a highly reputed research institution, has bought the entire Springer Book Archives (SBA) consisting of 110,000 individual titles. The purchase gives staff in 82 Max Planck institutes in Germany direct online access to the retro-digitized books via the SpringerLink platform.

# Studies on Open Access transition

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### Exploring the effects of a transition to open access: Insights from a simulation study

*Steffen Bernius, Matthias Hanauske, Berndt Dugall and Wolfgang König*

*Journal of the Association for Information Science & Technology*, 2013, vol. 64, issue 4, pages 701-726

**Date:** 2013

**References:** [Add references at CitEc](#)

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# Studies on Open Access transition



The screenshot shows the website of the Max-Planck-Gesellschaft Open Access. The header features the Max-Planck-Gesellschaft logo on the left and the text "OPEN ACCESS Max-Planck-Gesellschaft" in the center. Navigation links for "Contact", "Sitemap", "MPG", and "Deutsch" are in the top right. A search bar is located in the top right corner. The main navigation menu includes "BERLIN DECLARATION", "POSITIONS", "ACTIVITIES", and "NOTES". The breadcrumb trail reads "Home > Notes > MPDL\_Open\_Access\_White\_Paper". The left sidebar contains a menu with "Berlin Declaration", "Positions", "Activities", and "Notes". The main content area is titled "OPEN ACCESS TRANSITION" and features a news article with the headline "Area-wide transition to open access is possible". The article text states: "A new MPDL study is suggesting a redeployment of funds in Open Access" dated April 28, 2015. The article describes a study by the Max Planck Digital Library on transforming a subscription-driven system to an Open Access model. The right sidebar contains a "CONTACT" section for Dr. Ralf Schimmer at the Max Planck Digital Library (MPDL) in München, with contact information: Phone: +49 89 38602-261, Email: schimmer@mpdl.mpg.de. Below the contact section is a "REFERENCE" section with one entry: "1. Schimmer, R., Geschuhn, K. K., & Vogler, A. Disrupting the subscription journals' business model for the [truncated]".

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Deutsch

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OPEN ACCESS  
Max-Planck-Gesellschaft

BERLIN DECLARATION | POSITIONS | ACTIVITIES | NOTES

Search

Home > Notes > MPDL\_Open\_Access\_White\_Paper

Berlin Declaration

Positions

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**OPEN ACCESS TRANSITION**

## Area-wide transition to open access is possible

**A new MPDL study is suggesting a redeployment of funds in Open Access**

April 28, 2015

The Max Planck Digital Library put forward a study on the transformation of the subscription-driven system for scientific publications to an Open Access model. For the first time, quantitative parameters are presented showing that the liberation of scholarly literature is possible at no extra costs.

According to market analyses, annual turnovers of academic publishers amount to approximately EUR 7.6 billion. This money comes predominantly from publicly

**CONTACT**

**Dr. Ralf Schimmer**

Max Planck Digital Library (MPDL),  
München  
Phone: +49 89 38602-261  
Email: schimmer@mpdl.mpg.de

**REFERENCE**

1. Schimmer, R., Geschuhn, K. K., & Vogler, A.  
Disrupting the subscription journals' business model for the [truncated]

# Studies on Open Access transition

## Monitoring the Transition to Open Access

A report for the Universities UK  
Open Access Co-ordination Group

August 2015



# Discussion about Open Access transition



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## The Global Gold Open Access “Flip”: A Realistic Plan or Magical Thinking?

POSTED BY DAVID CROTTY · SEP 24, 2015 · 53 COMMENTS

**FILED UNDER** FLIP, GOLD OA, GREEN OA, MAGIC REALISM, OPEN ACCESS, STEVAN HARNAD, UNICORN TEARS

As long as there has been open access (OA), there has been talk of a global “flip” of research journals away from the subscription business model. The difficulties in coordinating an enormous number of stakeholders with different interests have continued to make this unlikely. However, a [recent paper from the Max Planck Digital Library](#) claiming that, “An internationally concerted shifting of subscription budgets is possible at no financial risk, maybe even at lower overall costs,” has once again fueled talk of a flip. Has this paper discovered a golden ticket to global OA sustainability, or is it based on flawed assumptions?



Image courtesy of Adam Koford.

Long-time green OA advocate Stevan Harnad [has written at length](#) about the improbable nature of a global overnight flip to Gold OA via an organized system of membership deals, and about the adverse selection such a system would create:

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THE SCHOLARLY KITCHEN ON TWITTER

- ▶ RT @charlierapple: Wow - a pool of 5,000 authors for the @LSEImpactBlog to ensure there is a quality post every day! #stmimpact hear that @... 12 hours ago
- ▶ Ask The Chefs: How Does The Increased Use of Adjunct Faculty Affect Scholarly Publishing? [scholarlykitchen.sspnet.org/2015/11/19/ask... https://t.co/6cj3EKkbdlN](https://t.co/6cj3EKkbdlN) 20 hours ago
- ▶ This running commentary on the O'Reilly Next:Economy Conference is brilliant: [storify.com/bnwlfns/maciej... ht @drs1969](http://storify.com/bnwlfns/maciej...) 1 day ago
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AUTHORS



# Civil society wants to know, where library expenditures go to (Example Switzerland)

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Anmelden

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## Transparenz bei Bibliotheken

Inhalt   News **41**   Unterstützer **78**   Kommentare **5**

Hilf mir einen Rekurs gegen die Universität Genf zu finanzieren. Die Universität soll offenlegen, wieviel Geld sie an die Verlage Elsevier, Springer und Wiley bezahlt.

Ein Projekt von Christian Gutknecht, Gesellschaft, Genf und Dübendorf.

---

Projektstatus		
	<b>6'045</b>	von CHF 5'000 finanziert
	<b>78</b>	Unterstützer
	<b>120 %</b>	Prozent erreicht

Approach: several initiatives and projects to publish information about APC costs as Open Data

„Total Costs of Publication“ approach in the UK

**wellcome**trust



**Blog**

Life from a Wellcome Trust perspective

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## The cost of open access publishing: a progress report

28 MAR, 2014

by Wellcome Trust

tags: OA, Open Access, Publishing

SEARCH

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## Releasing open data about the Total Cost of Ownership

Published **Mon July 21 2014**

By **Stuart Lawson** in *Cost of ownership*

Few universities are fully aware of the total number of APCs paid by their institutions, Jisc Collections aims to help institutions make savings by obtaining this missing data.

[Further information](#)

In order to support Jisc Collections' work on the Total Cost of Ownership, which means negotiating with publishers on both journal subscription licenses and article processing charge (APC) payments at the same time, we decided to collect some data. This was undertaken by **Information Power Ltd** on behalf of Jisc Collections earlier this year.

The data that was collected from 24 UK higher education institutions included financial information about both expenditure on journal subscriptions and expenditure on APC payments. All institutions which took part in the data collection have agreed that we can release anonymised aggregated data regarding APC payments. One output of this work is the *Report for Jisc Collections on Total Cost of Ownership Project: Data Capture and Process* written by Information Power about the data collection process. It may of interest to any institutions which are managing APC payments.

 [Download Jisc Collections on Total Cost of Ownership Project: Data Capture and Process as a PDF.](#)

The aggregated APC data is available in raw form through two spreadsheets available on **figshare**: **Jisc Collections aggregated APC data 2014** and **Jisc Collections aggregated APC data by publisher**. A brief **analysis of this data** is also available. Many institutions have struggled to collect accurate data on expenditure due to time constraints and the complexity of this new area, so we recognise that this data on APC is far from perfect. However, we hope that releasing it will be useful to give an idea of the scale of current expenditure on APCs and highlight where this money is going.

Some institutions have agreed to go further and release detailed spreadsheets of their APC expenditure: so far **University of Warwick**, **University of Sussex**, **University of Liverpool**, and **Imperial**. This adds to earlier data releases from **University of Cambridge** and **Queen's University Belfast**. The more institutions release data, the more we can learn about the market for APCs, which publishers are being successful in it, and whether full open access journals or hybrid journals are becoming more popular.

The original purpose of collecting this data was to help Jisc Collections to model different APC offsetting schemes which have been developed for our negotiations with publishers. By working with institutions to release it more

# Expenditure Statistics by Institution

APC Count **Total Expenditure** Min, Max, Mean

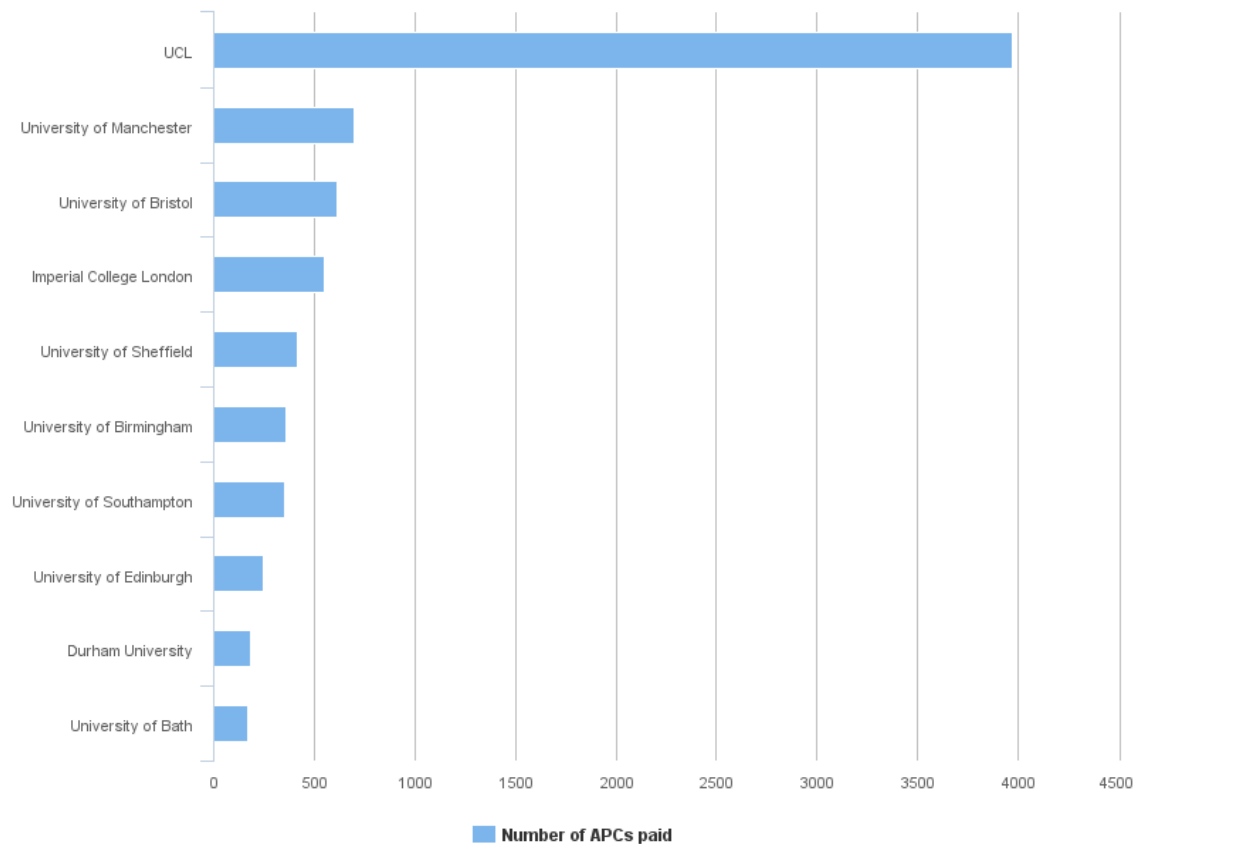
Date APC paid

From

To

Choose institutions to display

- Limit by Publisher**
- 15 count ↓ OR
- Elsevier (1723)
  - Wiley (1477)
  - Public Library of Science (511)
  - Springer (461)
  - BioMed Central (411)
  - Taylor & Francis (390)
  - Oxford University Press (368)
  - BMJ Publishing (312)
  - Royal Society of Chemistry (290)
  - Sage (281)
  - Nature Publishing Group (229)
  - American Chemical Society (229)
  - Frontiers (184)
  - Royal Society (156)
  - Institute of Physics (106)





## Open access article processing charges Dataverse

For data on open access article processing charges. Additional information can be found here: <http://poeticeconomics.blogspot.ca/2014/02/open-access-article-processing-charges.html>

### Open access article processing charges

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by Morrison, Heather

Description: First annual census of open access article processing charges. This is part of the Sustaining the Knowledge Commons suite of research projects <http://sustainingknowledgecommons.org/>

hdl:10864/10717

 185 downloads

Last Released: May 25, 2015

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## Monitoring Open Access

Seit der Unterzeichnung der [Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities](#) verfolgt der FWF eine konsequente » [Open Access Policy](#). Der System- und Bewusstseinswandel ist langwierig und dauert immer noch an. Allerdings kann der FWF als eine der ersten Förderorganisationen auch Zahlen vorlegen, dass sich die ideellen und finanziellen Anstrengungen gelohnt haben dürften. Denn externe und interne Datenlage erlaubt eine erste Schätzung des Open Access Anteils bei FWF-Förderungen. Die Datenlage ist allerdings noch nicht so valide, dass zu diesem Zeitpunkt mehr als eine Schätzung möglich wäre.

### 1. Schätzung für 2013

In der bibliometrischen Datenbank Web of Science waren 2013 etwas über 3.500 Artikel (inkl. Reviews) gelistet, die den FWF im Acknowledgement erwähnt hatten. Davon sind etwas mehr 3.000 in Subskriptionszeitschriften und etwa 450 in Open Access Zeitschriften erschienen.

[Costas und Yegoros-Yegoros](#) (2013, pp. 1401-8) hatten auf Basis der

# UC Davis and CDL Investigation of the Institutional Costs of Gold Open Access

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Click [here](#) for the latest news about the Pay-It-Forward project

The University of California, under the leadership of UC Davis and the California Digital Library (CDL) and with support from the Andrew W. Mellon Foundation, is undertaking a major new project called “[Pay It Forward: Investigating a Sustainable Model of Open Access Article Processing Charges for Large North American Research Institutions](#)”. The project will be conducted during 2015 and early 2016, and includes partnerships with three major research libraries (Harvard University, Ohio State University and the University of British Columbia) as well as the ten University of California campus libraries. We are also working with experts in Scholarly Communications: Greg Tananbaum (Consultant, ScholarNext), Professor David Solomon (Michigan State University), Professor Bo-Christer Björk (Hanken School of Economics, Helsinki, Finland), and Professor Mark McCabe (University of Michigan and Boston University). We are additionally joined by Dr. Carol Tenopir, University of Tennessee, Knoxville for an in-depth qualitative analysis of authors’ attitudes towards Open Access. Finally, we are collaborating with Association of Learned and Professional Society Publishers to engage their member publishers, and the the information companies Thomson Reuters (Web of Science) and Elsevier (Scopus) for their bibliographic database coverage of authorship patterns across the academic disciplines.

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[Storify of Software for Science: Getting Credit for Code #SoftCiteUCD](#) October 31, 2015

[ICIS Event: Software for Science — Getting Credit for Code](#) October 1, 2015

[Welcoming New Graduate Student Researcher, Kevin Schenthal](#) September 23, 2015

[Notes from Art of the Archive: Rethinking Archival Practices in a Digital Era](#) August 5, 2015

*ICIS Email List*

See [this page](#) for information on joining the ICIS email list.

Demand for valid information about the costs of Open Access publishing and publication data:

- Stakeholders (politics, research organisations, funding organisations, universities, libraries, ...)
- Academic research on Open Science
- Society

- 1) INTACT
- 2) Why monitoring Open Access Publications
- 3) Open Access Analytics**
- 4) Open APC
- 5) ESAC
- 6) Summary



## Open Access Analytics (I2SoS):

OA-Analytics exploits bibliometric indicators for the current situation and the development of OA publishing at German research institutions

I2SoS is part of the „Competence Center for Bibliometrics“ in Germany

Some objects of research within INTACT:

Determination of OA percentage for institutional publication data

Time series analysis

Cooperations (authors, institutions)

Analysis of OA percentage within disciplines

...

Example:

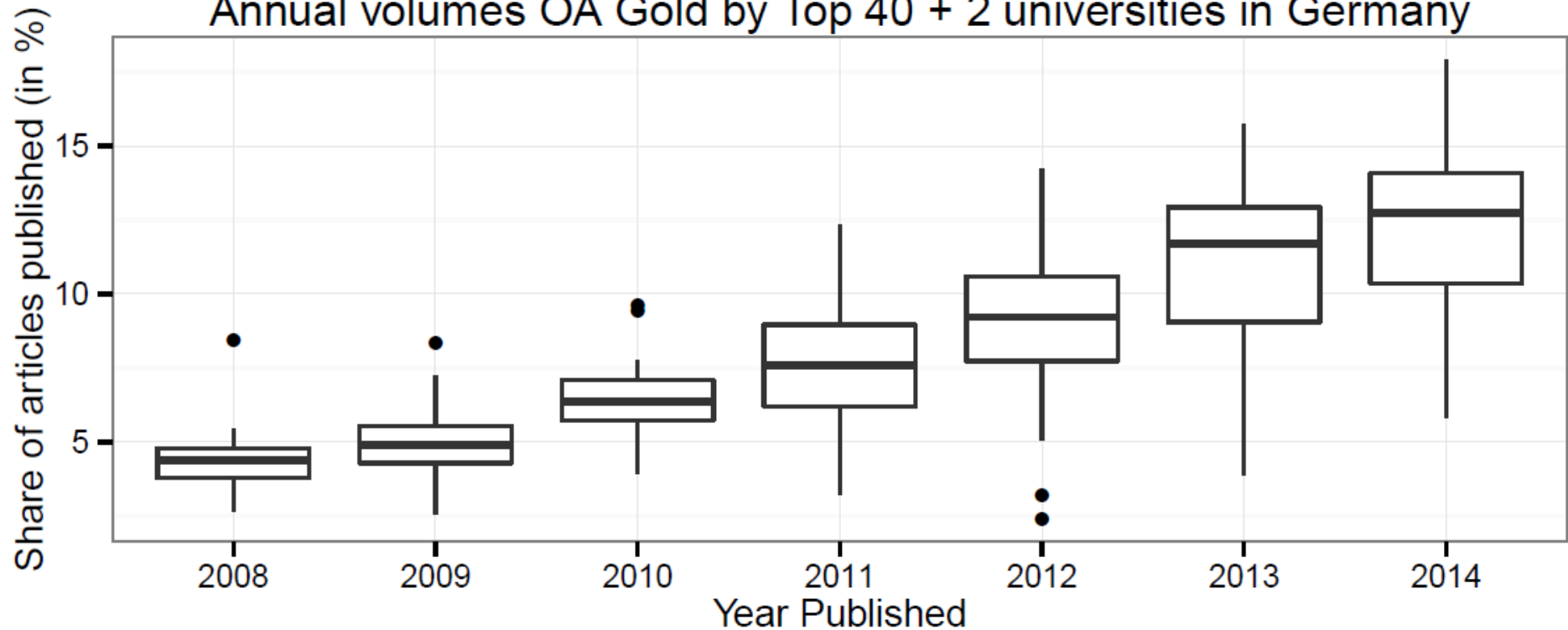
Analysing OA percentage for german Top 40 +2 universities and research institutions according to DFG funding atlas

Source for publication data: Web of Science

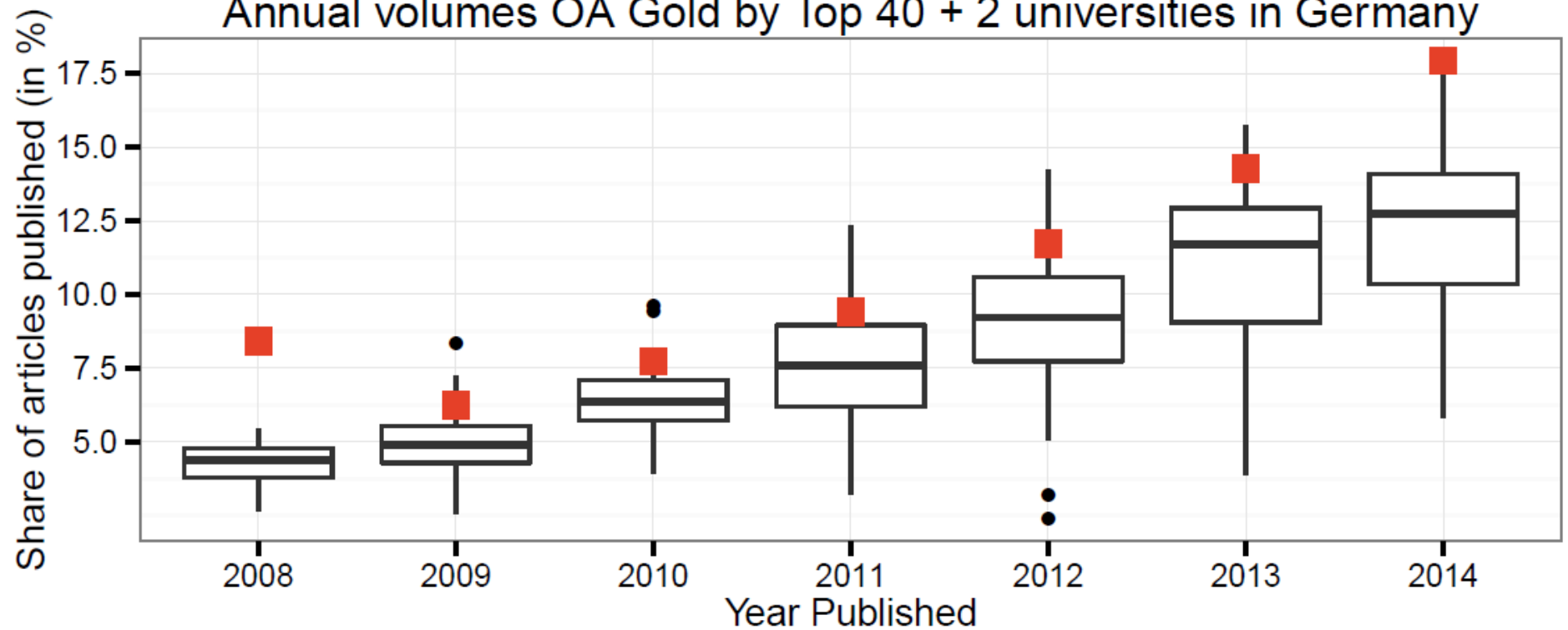
Validation of mapping institutions and publication by I2SoS

DOAJ matching and plotting: Najko Jahn, Bielefeld UL

## Annual volumes OA Gold by Top 40 + 2 universities in Germany



Annual volumes OA Gold by Top 40 + 2 universities in Germany



■ Bielefeld University

- 1) INTACT
- 2) Why monitoring Open Access Publications
- 3) Open Access Analytics
- 4) **Open APC**
- 5) ESAC
- 6) Summary

Open APC is an Open-Data-initiative to make APC costs transparent

Open APC depends on the contributing institutions

Supported by



DEUTSCHE INITIATIVE  
FÜR NETZWERKINFORMATION E.V.

<http://openapc.github.io/openapc-de/>

## Contributors (2015-11-26):

Jochen Apel, Hans-Georg Becker, Roland Bertel-mann, Daniel Beucke, Peter Blume, Ute Blumtritt, Dorothea Busjahn, Gernot Deinzer, Andrea Dorner, Clemens Engelhardt, Dominik Hell, Ulrich Herb, Inken Feldsien-Sudhaus, Fabian Franke, Claudia Frick, Agnes Geißelmann, Kai Karin Geschuhn, Gerrit Kuehle, Doris Jaeger, Stephanie Kroiss, Kathrin Lucht-Roussel, Frank Lützenkirchen, Anja Oberländer, Vitali Peil, Dirk Pieper, Tobias Pohlmann, Michael Schlachter, Florian Ruckelshausen, Birgit Schlegel, Adriana Sikora, Marco Tullney, Astrid Vieler, Sabine Witt: (2014 -): Datasets on fee-based Open Access publishing across German Institutions. **Bielefeld University. 10.4119/UNIBI/UB.2014.18**



28 institutions are contributing (2015-11-25)

Dataset documents costs for 3,633 articles

Total expenditures 4,494,568 EURO

Average height of APC is 1,237,20 €, Median 1,203 €

Articles from 103 publishers in 544 journal titles

<http://openapc.github.io/> indicates new contributions and shows institutional overview (blog)

<http://openapc.github.io/about/> summarises the whole actual dataset (blog)

<https://github.com/OpenAPC/openapc-de> contains data, figures, R scripts, etc.

Datasets are made available under a Open Database License: <http://opendatacommons.org/licenses/odbl/1.0/>

Version control through Git

Automatic sync from GitHub to local GitLab installation (archiv version including history)

Archiv is registered in DataCite (DOI)

Scripts for enrichment steps and analysis are Open Source

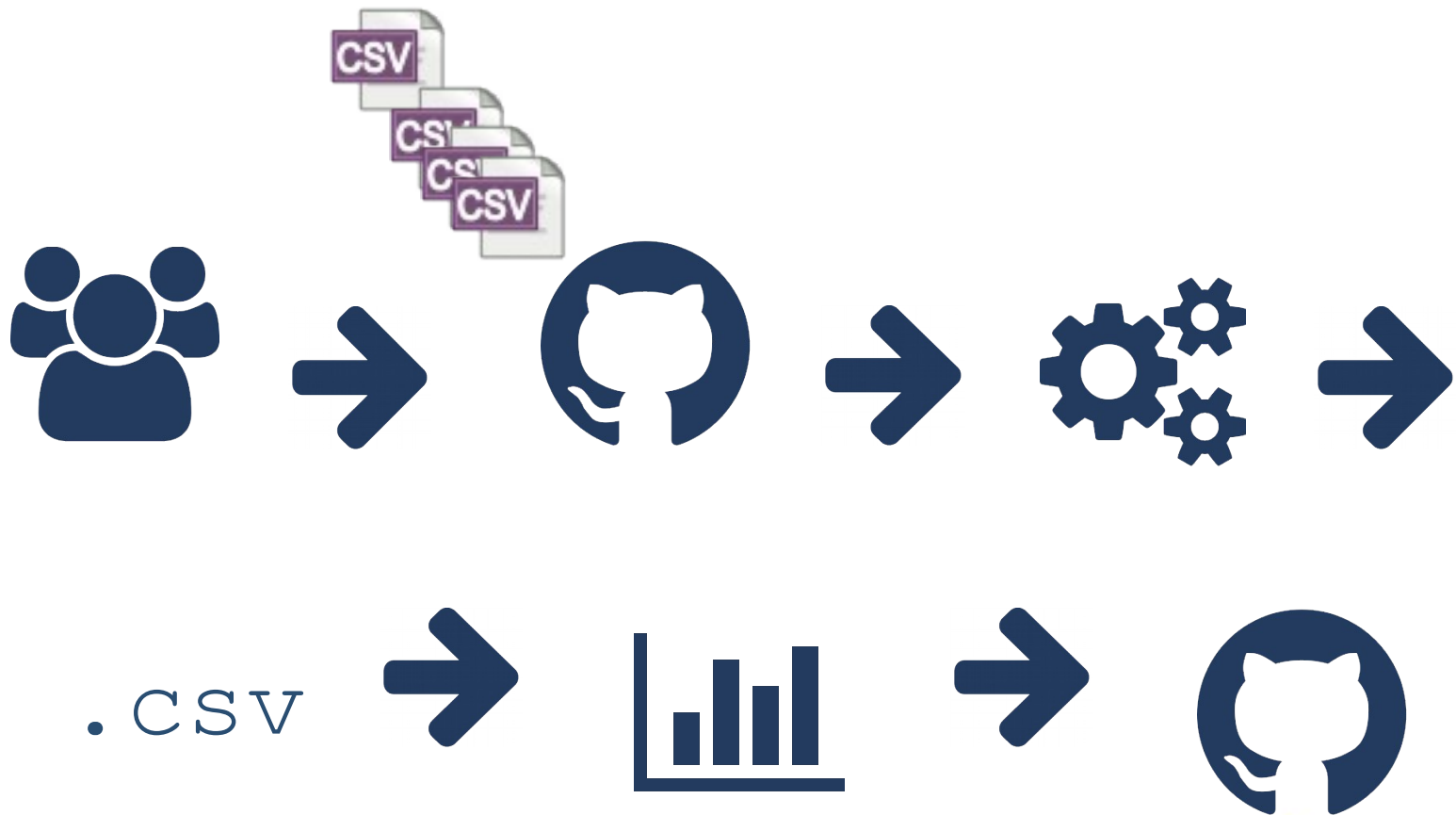
Automatic enrichment with identifiers

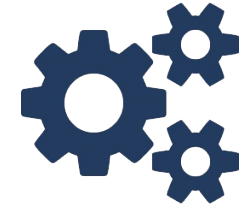
Disambiguation of journal titles and publisher names using CrossRef-API

Contributing institutions have only to provide DOI list and gross price per article

Institutions get back normalised data for reporting (by using R markdown)

## Open APC workflow:





Source	Variable	Description
CrossRef	<code>publisher</code>	Title of Publisher
CrossRef	<code>journal_full_title</code>	Full Title of Journal
CrossRef	<code>issn</code>	International Standard Serial Numbers (collapsed)
CrossRef	<code>issn_print</code>	ISSN print
CrossRef	<code>issn_electronic</code>	ISSN electronic
CrossRef	<code>license_ref</code>	License of the article
CrossRef	<code>indexed_in_CrossRef</code>	Is the article metadata registered with CrossRef? (logical)
EuropePMC	<code>pmid</code>	PubMed ID
EuropePMC	<code>pmcid</code>	PubMed Central ID
Web of Science	<code>ut</code>	Web of Science record ID
DOAJ	<code>DOAJ</code>	Is the journal indexed in the DOAJ? (logical)

Open APC data within INTACT:

Best practice: [www.offenerhaushalt.de](http://www.offenerhaushalt.de)

Technical solution: OLAP Server, OLAP Cube

OLAP: Online Analytical Processing

Open APC data within INTACT:

Input: csv, web form (to be build), interface to GitHub for Eprints

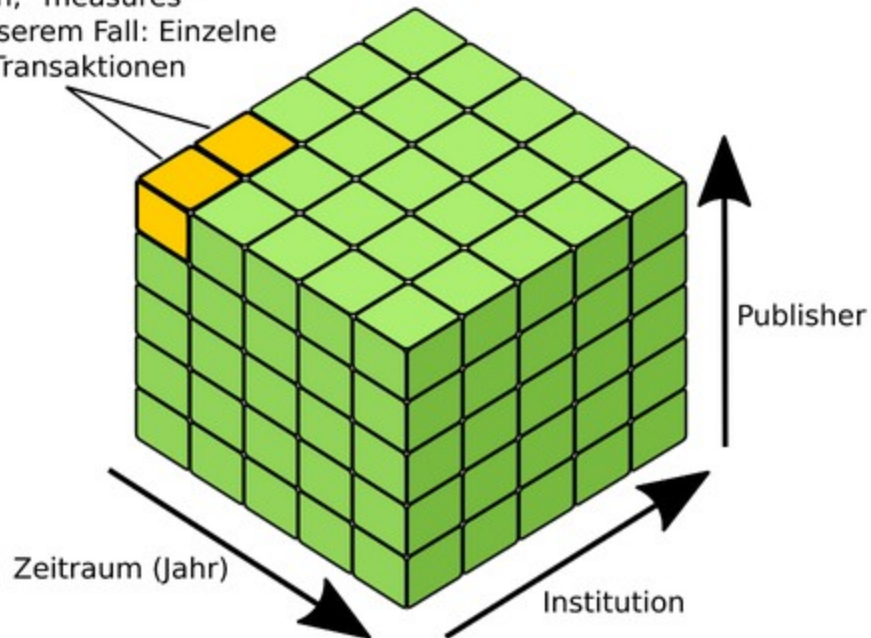
Store: GitHub/GitLab, ElasticSearch-Index, OLAP Cube

Output: csv, Rest-API for ElasticSearch-Index, JSON, data visualisations



# OLAP Cube for Open APC

Zellen, "measures"  
In unserem Fall: Einzelne  
APC-Transaktionen



# Dimension publisher

```
{
  hierarchy: "default",
  depth: 1,
  ▼ data: [
    ▼ {
      publisher: "AIP Publishing"
    },
    ▼ {
      publisher: "Academic Journals"
    },
    ▼ {
      publisher: "Academic Journals (Sapele, Nigeria/Nairobi, Kenya)"
    },
    ▼ {
      publisher: "Academy and Industry Research Collaboration Center (AIRCC)"
    },
    ▼ {
      publisher: "Acta Dermato-Venereologica"
    },
    ▼ {
      publisher: "American Chemical Society (ACS)"
    },
    ▼ {
      publisher: "American Mathematical Society (AMS)"
    },
    ▼ {
      publisher: "American Physical Society (APS)"
    },
    ▼ {
      publisher: "American Physiological Society"
    },
    ▼ {
      publisher: "American Society for Clinical Investigation"
    },
  ],
}
```

## Drilldown for dimension publisher

```
▼ summary: {
  apc_num_items: 3515,
  apc_amount_avg: 1237.9539544808,
  apc_amount_sum: 4351408.150000012
},
remainder: { },
▼ cells: [
  ▼ {
    publisher: "AIP Publishing",
    apc_num_items: 12,
    apc_amount_avg: 1407.345,
    apc_amount_sum: 16888.14
  },
  ▼ {
    publisher: "Academic Journals",
    apc_num_items: 3,
    apc_amount_avg: 466.92,
    apc_amount_sum: 1400.76
  },
  ▼ {
    publisher: "Academic Journals (Sapele, Nigeria/Nairobi, Kenya)",
    apc_num_items: 1,
    apc_amount_avg: 491.62,
    apc_amount_sum: 491.62
  },
  ▼ {
    publisher: "Academy and Industry Research Collaboration Center (AIRCC)",
    apc_num_items: 1,
    apc_amount_avg: 136.57,
    apc_amount_sum: 136.57
  },
  ▼ {
    publisher: "Acta Dermatovenereologica"
```

# Multiple drilldown for dimensions publisher+period

```
▼ summary: {
  apc_num_items: 3515,
  apc_amount_avg: 1237.9539544808,
  apc_amount_sum: 4351408.150000012
},
remainder: { },
▼ cells: [
  ▼ {
    publisher: "Springer Science + Business Media",
    apc_num_items: 33,
    period: "2007",
    apc_amount_avg: 1230.2306060606,
    apc_amount_sum: 40597.61
  },
  ▼ {
    publisher: "Ubiquity Press, Ltd.",
    apc_num_items: 2,
    period: "2007",
    apc_amount_avg: 1089.36,
    apc_amount_sum: 2178.72
  },
  ▼ {
    publisher: "Springer Science + Business Media",
    apc_num_items: 72,
    period: "2008",
    apc_amount_avg: 1079.4238888889,
    apc_amount_sum: 77718.52
  },
  ▼ {
    publisher: "Springer Science + Business Media",
    apc_num_items: 105,
    period: "2009",
    apc_amount_avg: 606.0500000000
  }
]
```

# Cut through OLAP Cube for institution Bielefeld U

```
{
  ▼ summary: {
    apc_num_items: 160,
    apc_amount_avg: 1170.601375,
    apc_amount_sum: 187296.22
  },
  remainder: { },
  ▼ cells: [
    ▼ {
      publisher: "American Physical Society (APS)",
      apc_num_items: 1,
      apc_amount_avg: 1087.0,
      apc_amount_sum: 1087.0
    },
    ▼ {
      publisher: "Association for Research in Vision and Ophthalmology (ARVO)",
      apc_num_items: 5,
      apc_amount_avg: 1302.436,
      apc_amount_sum: 6512.18
    },
    ▼ {
      publisher: "BMJ",
      apc_num_items: 1,
      apc_amount_avg: 1130.5,
      apc_amount_sum: 1130.5
    },
    ▼ {
      publisher: "Co-Action Publishing",
      apc_num_items: 2,
      apc_amount_avg: 702.1,
      apc_amount_sum: 1404.2
    },
    ▼ {
```

# Example Output: tree map

## OPEN APC - GESAMT



Titel	Betrag	Anteil
Goettingen U	€246.815	14,01%
MPG	€212.119	12,04%
Regensburg U	€149.109	8,47%
KIT	€121.488	6,90%
Heidelberg U	€112.238	6,37%
Giessen U	€108.276	6,15%

- 1) INTACT
- 2) Why monitoring Open Access Publications
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ESAC is an initiative for documenting and optimizing workflows between publishers and libraries for fee based Open Access publishing

ESAC supports Open Access transition

ESAC cooperates with international partners



# ESAC

Efficiency and Standards for Article Charges

[NEWS](#)[ABOUT](#)[APC WORKSHOP 2013](#)[BILLING and REPORTING](#)[WORKFLOW](#)

## German science organisations publish position paper on Open Access

Posted on [September 18, 2015](#) | By [kai](#) | [Leave a response](#)

A working Group in the priority initiative "Digital Information" of the German Alliance of Science Organisations has recently launched a position paper on Open Access. The paper aims shaping the underlying conditions for the transition of the current subscription based journal market to Open Access. This includes the determination of basic principles such as market [...]

[Read More »](#)

## Open Access ist machbar!

Posted on [September 8, 2015](#) | By [kai](#) | [Leave a response](#)

Vortragsfolien zum Thema Open Access Transformation, präsentiert auf den Open Access Tagen in Zürich. Open Access ist machbar!

### APC Workflow Assessment Quiz

In which stage are you regarding APC management and open access transition? Try out our [APC Workflow "Quiz"](#) (beta version)

### Datasets on fee-based Open Access Publishing

- [Technische Universität München joins openapc.github.io!](#) October 30, 2015
- [Göttingen State and University Library contributes 2014 cost data](#) July 17, 2015
- [University of Kassel joins openapc.github.io!](#) June 30, 2015

Work packages for ESAC within INTACT:

Survey of workflows between publishers and libraries

Evaluation of organisational and financial consolidation and sustainability of OA publication funds

Methods: interviewing experts, workshops, networking

International Offsetting workshop in Munich (March 2016)

Participants are invited by MPDL

Focus on workflows between publishers, libraries and academic institutions

- 1) INTACT
- 2) Why monitoring Open Access Publications
- 3) Open Access Analytics
- 4) Open APC
- 5) ESAC
- 6) **Summary**

Transition to Open Acces has started

Demand for Open Data about library acquisition expenditures

Data about costs and publications are needed to negotiate with publishers on eye level

Give incentives for institutions, e.g. valid and normalised data and state of the art reporting

Bottom-up-approach by using Open Science Tools activates institutions

Need for international exchange of data and cooperation

# Thank you!

INTACT Team:

I2SoS: Christine Rimmert, Mathias Winterhager, Michael Wohlgemuth

Bielefeld UL: Christoph Broschinski, Najko Jahn, Vitali Peil, Dirk Pieper

MPDL: Kai Geschuhn, Ralf Schimmer, Adriana Sikora

Thanks:  Deutsche  
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