CODE OCEAN

Russ Zack
President and Chief Business Officer
russ@codeocean.com

How researchers can solve the bottle-opener problem with compute capsules

Ben Marwick and **Suzanne E. Pilaar Birch**

30 July 2018
Last update: 26/07/18 09:58

Imagine a group of people playing a sport together on a hot day. Although it's a friendly match, they play vigorously and at the end of their game they're hot and thirsty. A few people in the group brought a cooler filled with ice and a variety of bottled beverages (among them our favourite, a tangy non-alcoholic ginger beer). They pass out the bottles and everyone is looking forward to a refreshing cool drink and trying the different flavours. But, disaster! No-one has a bottle-opener! The players are stuck with a delicious drink that is trapped in the bottle. They press the cool glass to their foreheads to get some relief and cool down, and laugh about the misfortune of having the the refreshing, cool drink so close, but not being able to drink it.

If you can briefly suspend your disbelief that no-one in this imaginary group would have any kind of tool that couldn't be used as a bottle-opener, consider this scenario as a rough metaphor for scientific research and publication. Playing sport is like doing research, and sharing the drinks is publishing the research, what we do near the end of the project to share the results with everyone so they can benefit from our findings. The reason

http://blog.journals.cambridge.org/2018/07/30/how-researchers-can-solve-the-bottle-opener-problem-with-compute-capsules/?utm_source=Twitter&utm_medium=Hootsuite&utm_campaign=code%20ocea

Code Ocean - a reproducibility platform

A web-based interface that allows any user to write code in any programming language with any computing resources needed.

Authors can use Code Ocean to easily create, collaborate, publish and preserve their computational work

What is Code Ocean

An online code execution platform that integrates with any scholarly platform.

— Authors can **publish code+data+computing environment**

— Code Ocean's **widget** will appear at the point of the article

— Users/readers can start **building upon** other published findings

— Users get the **same computational environment** the original author used. No setup and installation needed

— Users can work with a **suite of tools** : Jupyter, Code versioning, collaboration, flexible computing etc

— Or you can **export that compute capsule** and work outside of Code Ocean. It's an Open Platform

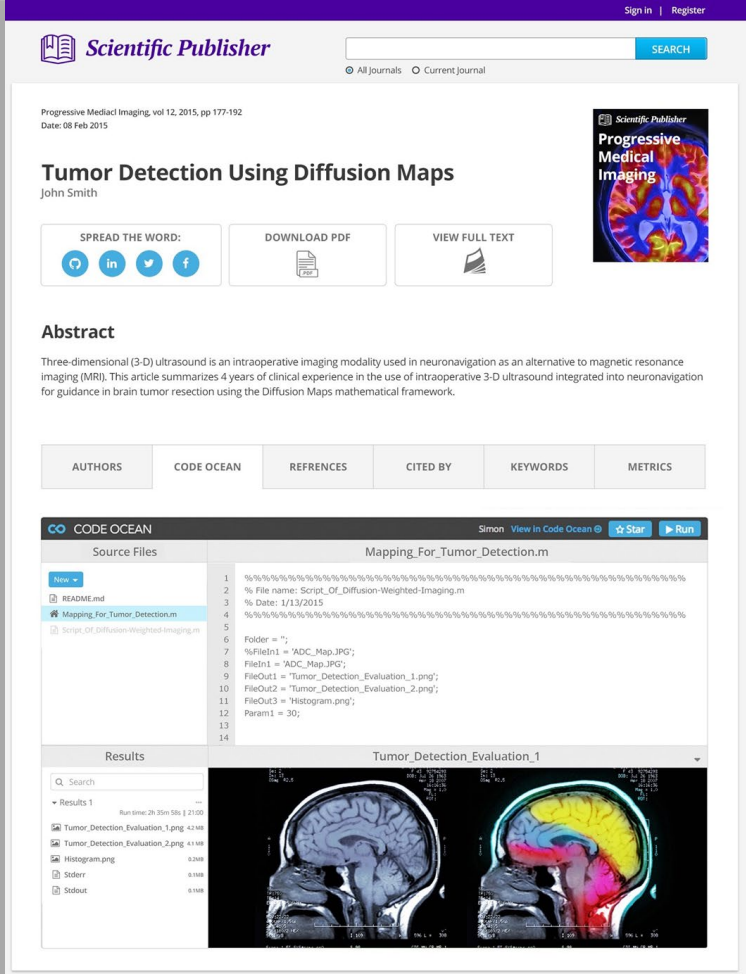
— Published Compute Capsules are minted with a **DOI** and are **open access**

— Include executable code+data in **peer review**

Publisher or repository platform

Plus Code Ocean's technology

CORNELL TECH
HOME OF THE JACOBS INSTITUTE



Published Predicting the mutations generated by repair of Cas9-induced DSBs *(Felicity Allen et al.)*

Capsule File Edit View Tabs Settings Help

Metadata | Edit Capsule

Files | Commands | Tabs

- environment
- code
  - indel_analysis
  - indel_prediction
  - r_utils
  - selftarget_pyutils
  - Figure_S25.Rmd
  - Figures_K562.Rmd
  - Figures_K562_predicted_FORECasT_v2.Rmd
  - Figures_bins_5D_S17.Rmd
  - Figures_size_5E_S18.Rmd
  - LICENSE
  - README.md
  - matplotlibrc
  - process_Rmd.R
  - run.sh
- data Manage Datasets
  - endogenous_comparisons 95.63 MB
  - endogenous_processing_example 8.69 MB
  - indel_processing_example 7.76 MB
  - predicted_vs_measured_example 7.22 MB
  - summary_data 1.14 GB
  - LICENSE 6.4 KB
  - README.md 1.2 KB

README.md

View Raw

Predicting the mutations generated by repair of Cas9-induced DSBs

This capsule provides code associated the paper entitled "Predicting the mutations generated by repair of Cas9-induced double-strand breaks", which measured Cas9 editing outcomes in bulk in cells using a synthetic self-targeting construct, and described a method called FORECasT that predicts in-silico the most likely outcomes for a given gRNA.

The following are all run as part of this capsule:

1. An example of how raw reads from our experiment were processed into indel summary information, demonstrated on 6 constructs only. After runnir
   indel_processing_example.
2. An example of how raw reads from the previous
   referenced in this paper were processed into inc
   the output of these steps is found in endogenou
3. The steps from summarized indel data (as gener
   running, the figures will be in the plots directory
4. An example of the predictor run for one gRNA a
   also in plots.

Re-Run

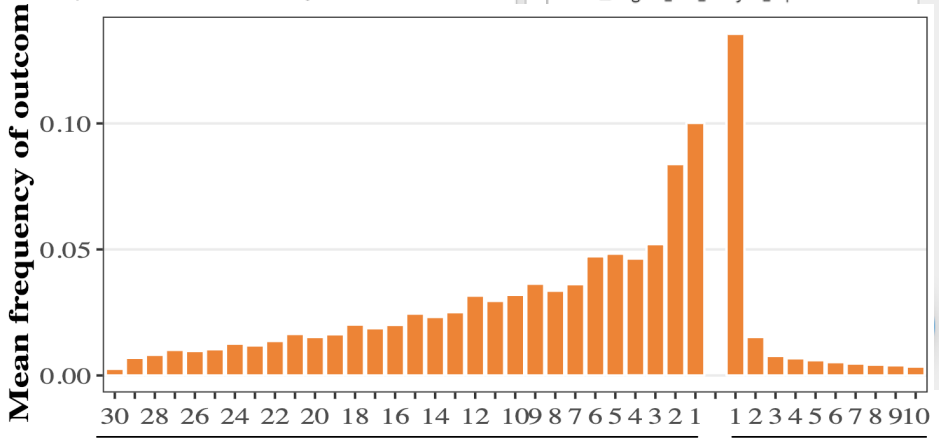
Reproducibility

Timeline

November 14, 2018
Published **Version 1.0**
Currently viewing

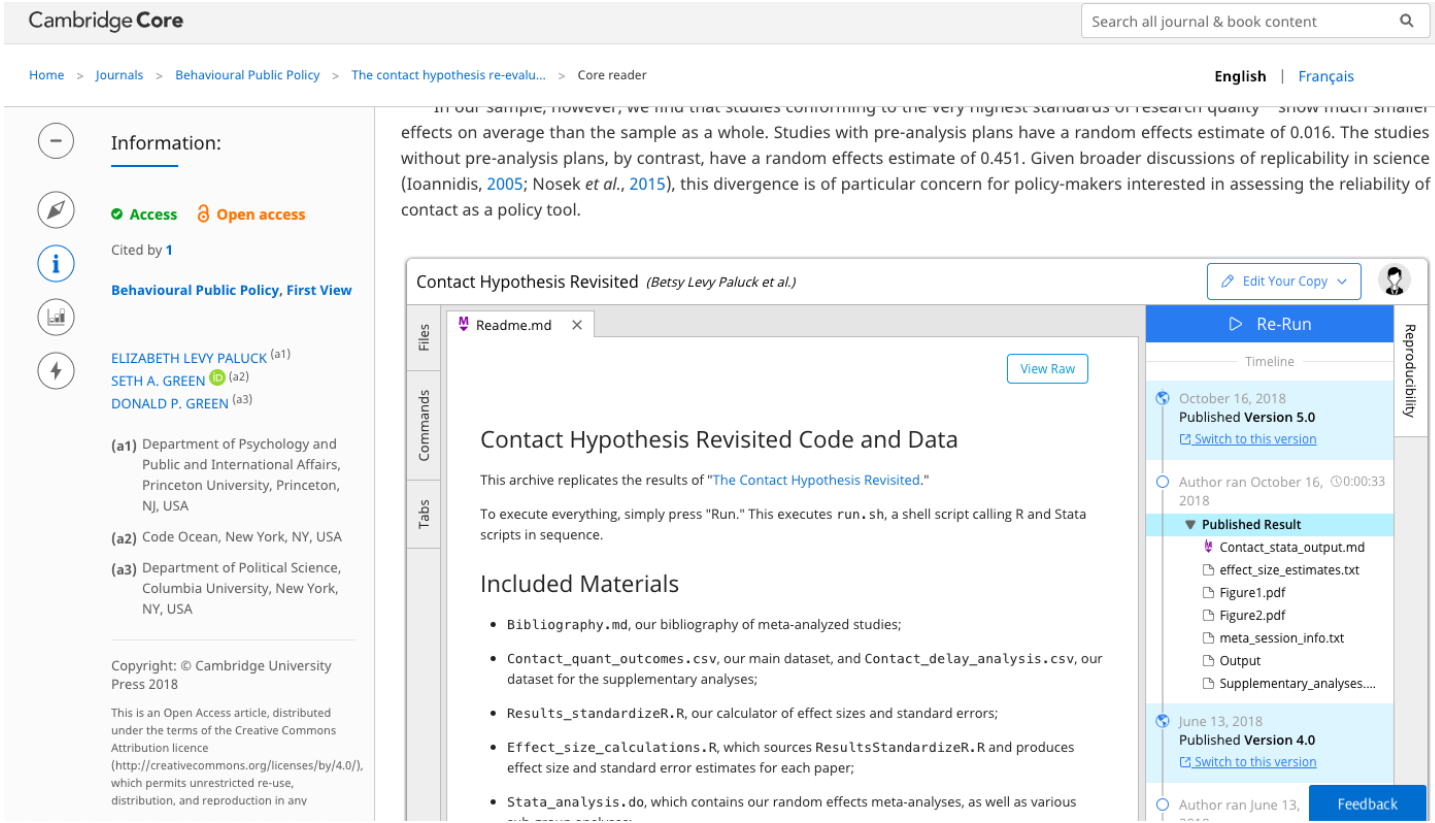
Author ran November 13, 2018 0:38:41

- Published Result
  - endogenous_processing_example
  - indel_processing_example
  - plots
  - predicted_vs_measured_example
  - Figure_S25_analysis_report.html



Example: Embedded HTML widget

Go to widget



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All | Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search | Other Se

Journals & Magazines > IEEE Transactions on Parallel... > Volume: 28 Issue: 4

Feedback-Control & Queueing Theory-Based Resource Management for Streaming Applications

Code Reviewed

Advertisement
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4 Author(s) Rafael Tolosana-Calasanz ; Javier Diaz-Montes ; Omer F. Rana ; Manish Parashar View All Authors

5 Paper Citations | 744 Full Text Views

Abstract

Document Sections

1 Introduction
2 Background: Little's Law
3 Data Stream Model of Computation
4 Queuing-Theory-Based Approach for Data Stream Processing in Clouds
5 Experimental Validation

Show Full Outline

Authors
Figures
References
Citations

Abstract:
Recent advances in sensor technologies and instrumentation sources and streaming applications. A wide variety of devices have the capability of collecting and streaming large amounts distinct streaming data models have been proposed. Typical a environments for instance, where sensor-based infrastructure Understanding how such streaming content can be processec trivial and important research topic. We investigate how a clou autonomically respond to such streaming content, offering Qu autonomic controller (based on feedback control and queuein machines to meet performance targets associated with a part using a federated Cloud-based infrastructure (implemented using CometCloud)-where the allocation of new resources can be based on: (i) differences between sites, i.e., types of resources supported (e.g., GPU versus CPU only), (ii) cost of execution; (iii) failure rate and likely resilience, etc. In particular, we demonstrate how Little's Law-a widely used result in queuing theory-can be adapted to support dynamic control in the context of such resource provisioning.

Published in: IEEE Transactions on Parallel and Distributed Systems (Volume: 28 , Issue: 4 , April 1 2017)

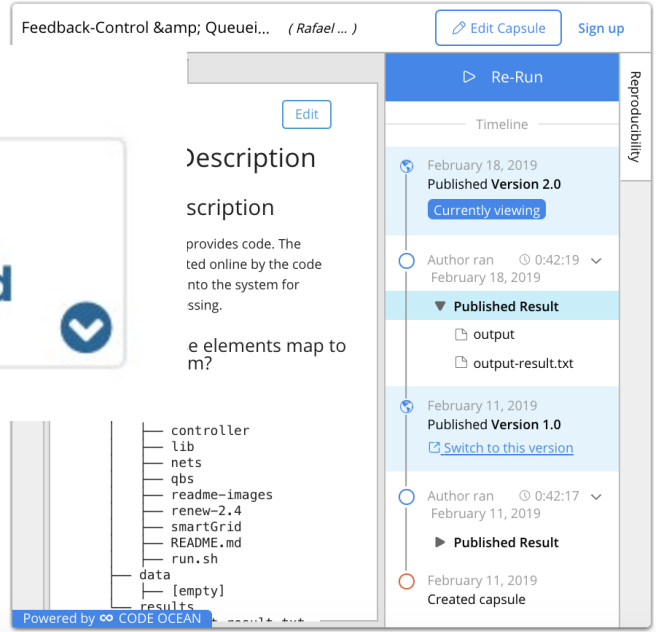
Page(s): 1061 - 1075
INSPEC Accession Number: 16742146
Date of Publication: 26 August 2016
DOI: 10.1109/TPDS.2016.2603510

Code & Datasets

Code | Dataset

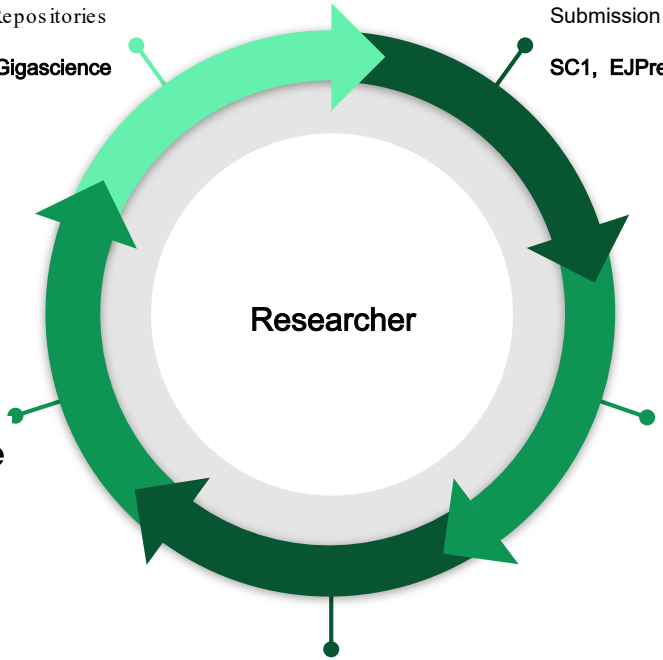
This article contains code hosted on IEEE's partner, Code Ocean, a cloud-based computational reproducibility platform that enables users to run, modify, and download code from IEEE *Xplore* articles. A Code Ocean user account is required to run and modify code within the widget below.

Code:
Feedback-Control & Queueing Theory-Based Resource Management for Streaming Applications -- Java Code
Java



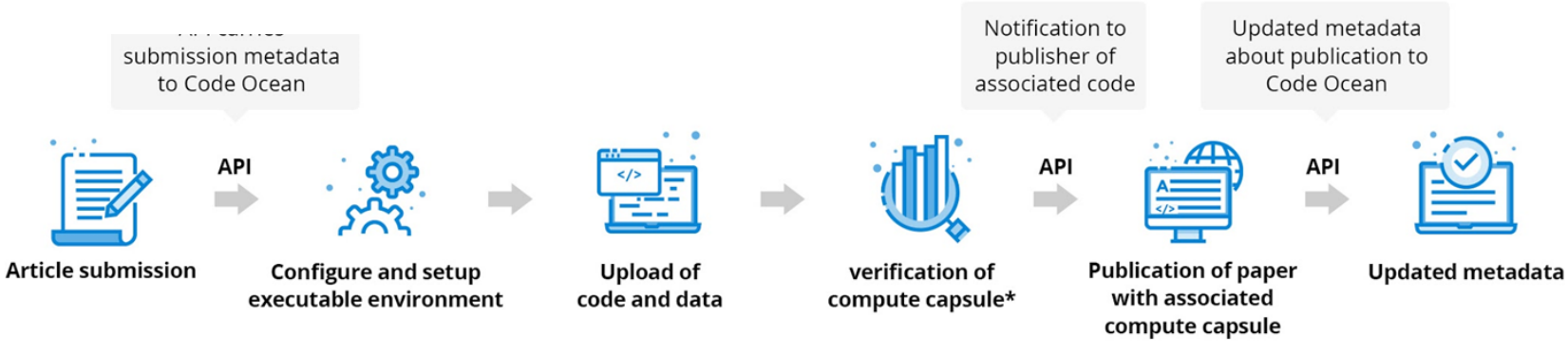
CODE OCEAN

Ecosystem


Repositories
Dataverse, Mendeley and Gigascience
Submission systems
SC1, EJPress, Aries
Researcher
Platforms
Peer Review
Nature, Cell, TDPS, Elsevier
Publisher Integration
IEEE. T&F. SPIE. Cambridge

Standard Integrated workflow

Flow 1: Integrated Code Ocean workflow

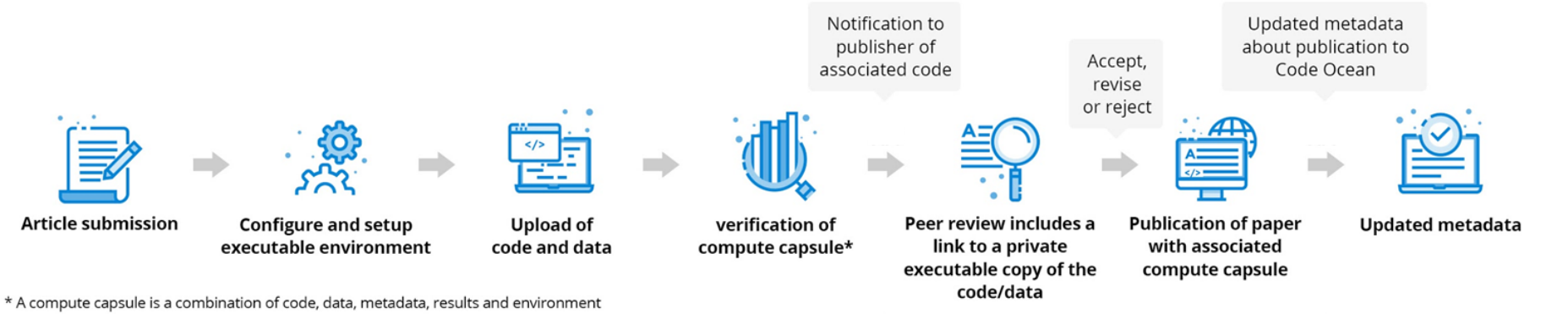


* A compute capsule is a combination of code, data, metadata, results and environment

Submission system	Code Ocean	Platform	Code Ocean

eJournalPress
SCHOLARONE™
Aries
HighWire

Peer review workflow



Questions

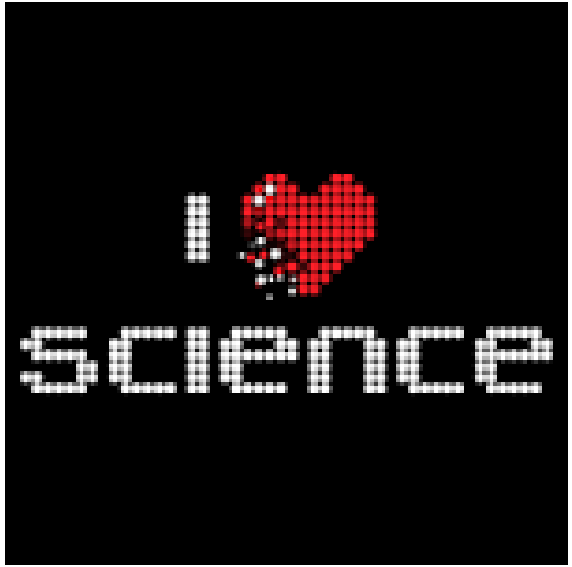
Russ Zack
President and Chief Business Officer
russ@codeocean.com

Tools from Digital Science

Sara Grimme
Digital Science
June 13th, 2019

What are we talking about today?

- Digital Science Mission
- Altmetric Case Study
- Figshare Case Study
- Indexing & Dimensions Badges
- Questions



Mission:

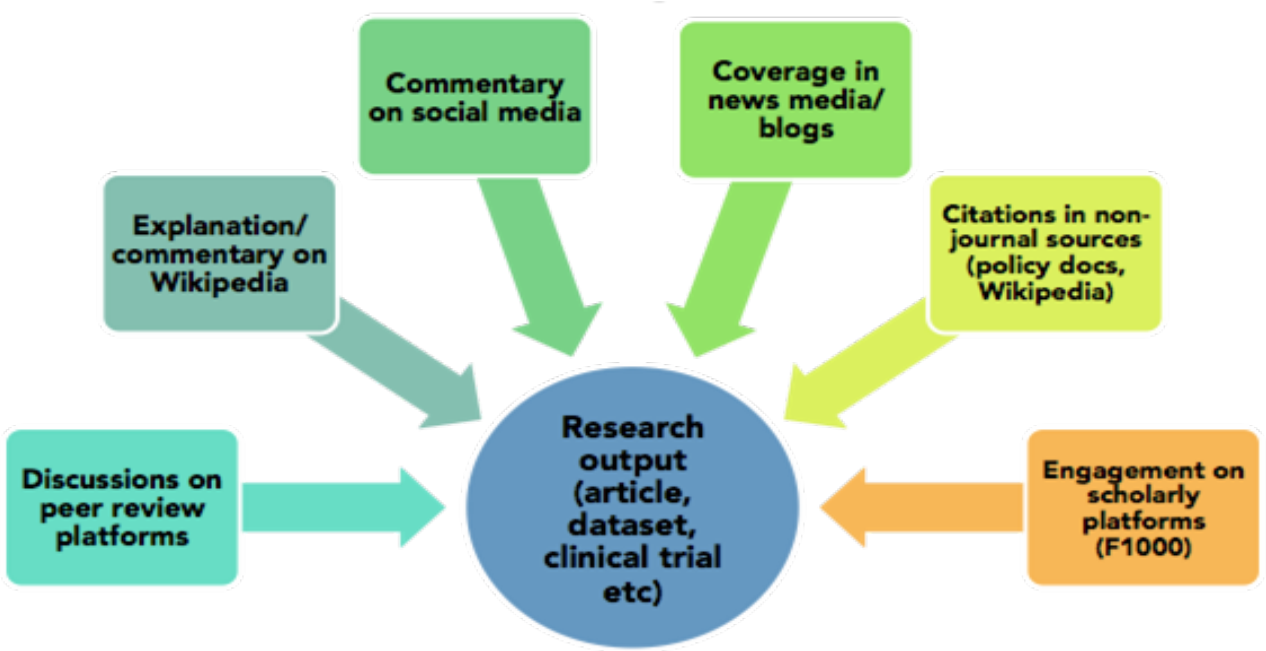
Digital Science is a technology company serving the needs of scientific and research communities at key points along the full cycle of research. We invest in, nurture and support innovative businesses and technologies that make all parts of the research process **more open, efficient and effective.**

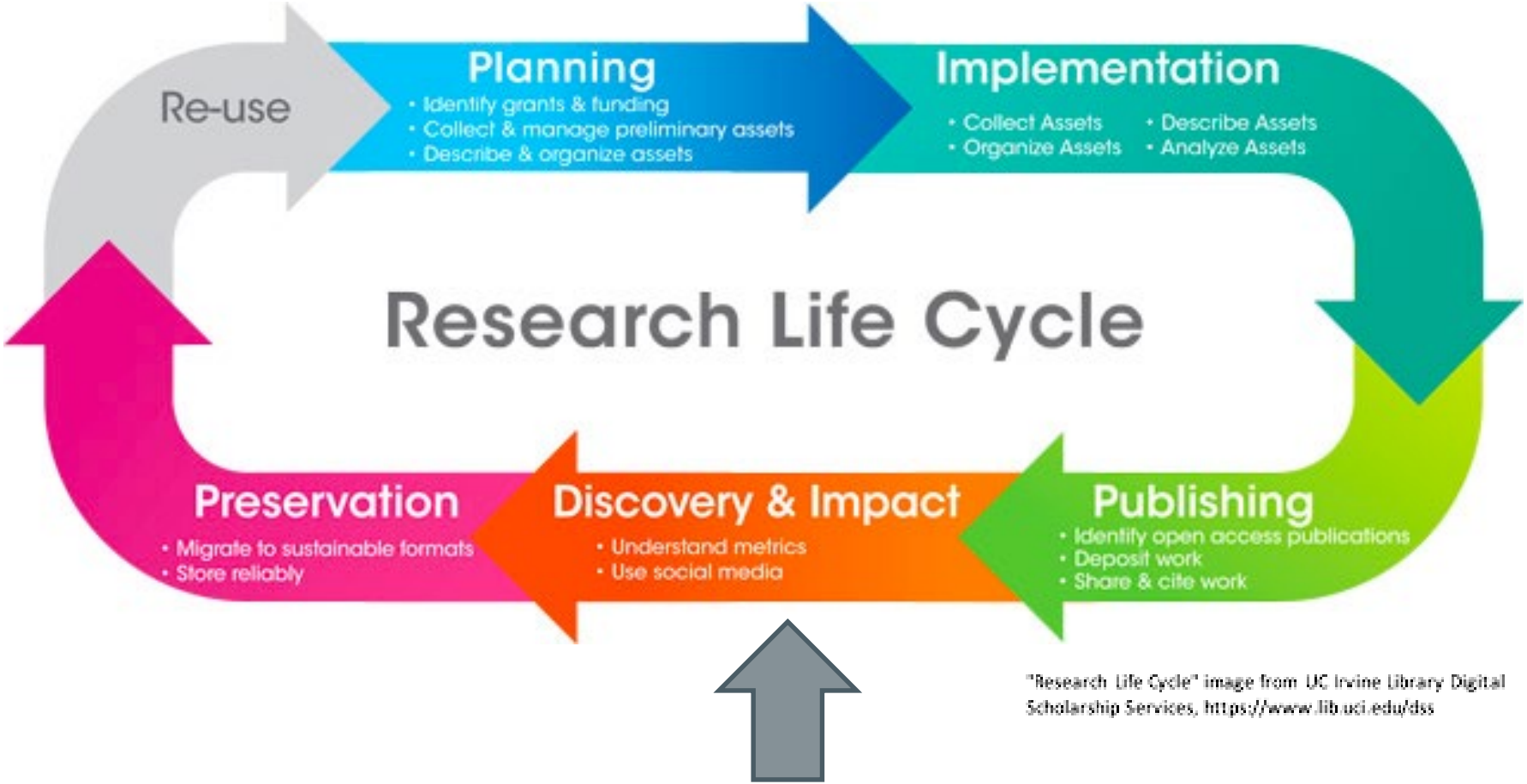
We believe that together, we can help researchers make a difference.

Altmetric

What are altmetrics?

What do they track?

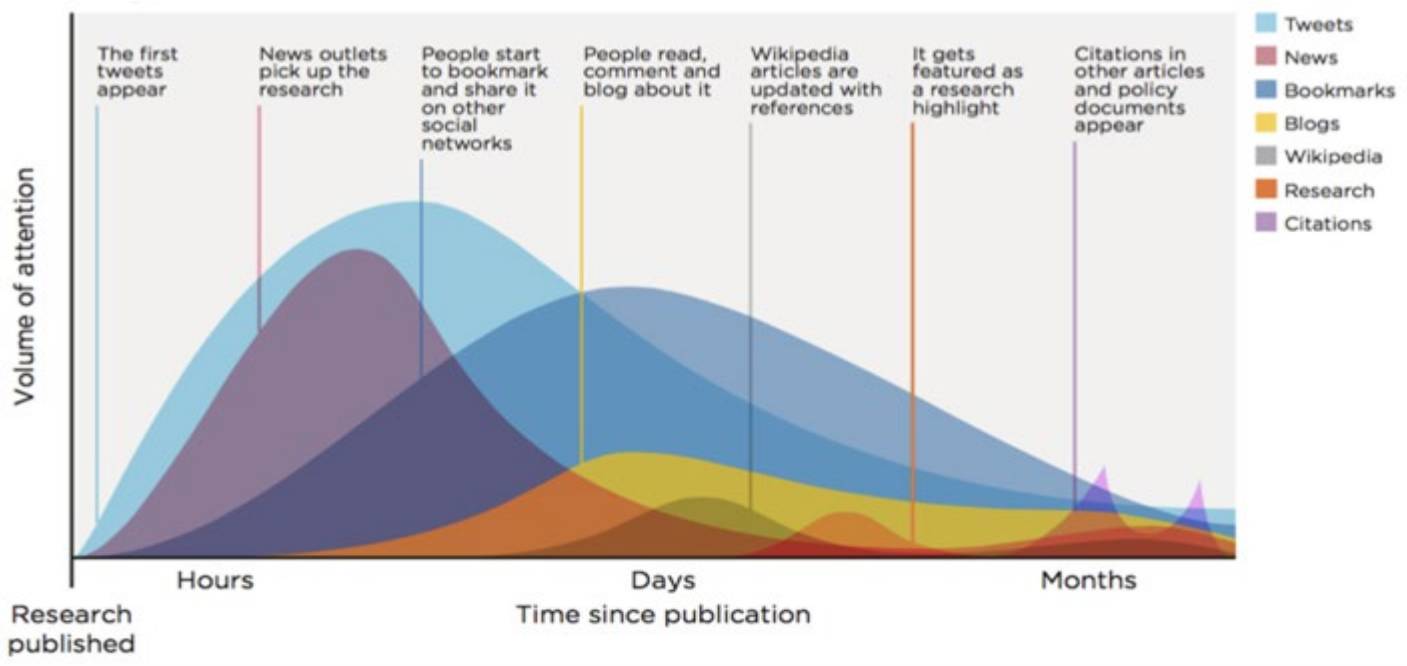




"Research Life Cycle" image from UC Irvine Library Digital Scholarship Services, https://www.lib.uci.edu/dss

Why are they needed?

A typical timeline of attention



Tweeted by **293**
Blogged by **4**
On **200** Facebook pages
Mentioned in **6** Google+ posts
Picked up by **1** news outlets
Mentioned in **1** LinkedIn forums
Reddited by **2**
On **1** videos

166 readers on Mendeley
1 reader on Connotea
3 readers on CiteULike

Altmetric

? What is this page? | Embed badge | Share

Massive decline of the world's largest king penguin colony at Ile aux Cochons, Crozet

Overview of attention for article published in Antarctic Science, July 2018

About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

164 news outlets

10 blogs

662 tweeters

SUMMARY | News | Blogs | Twitter | Facebook | Wikipedia | Dimensions citations

Title	Massive decline of the world's largest king penguin colony at Ile aux Cochons, Crozet
Published in	Antarctic Science, July 2018
DOI	10.1017/s0954102018000226
Authors	Henri Weimerskirch, Fabrice Le Bouard, Peter G. Ryan, C.A. Bost

View on publisher site

Alert me about new mentions

TWITTER DEMOGRAPHICS | MENDELEY READERS | ATTENTION SCORE IN CONTEXT

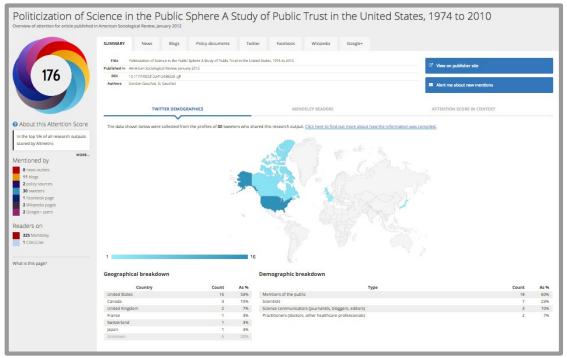
The data shown below were collected from the profiles of **662** tweeters who shared this research output. Click here to find out more about how the information was compiled.

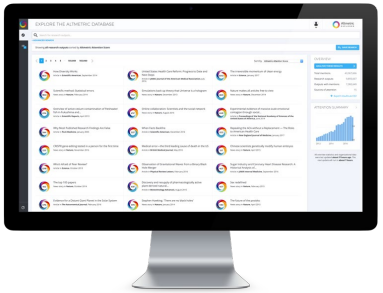
DIGITAL science

GSA - Case Study for Altmetric

- Citations take a long time to accrue
- There is a need for earlier, and different, indicators of how research is being received by the community
- GSA also want to be innovative and cutting edge with author services
- Enter Altmetic Badges!
- The Badge highlights alternative indicators of engagement while waiting for citations to start piling up
- Also gives GSA the ability to quickly identify where content is being met with a negative response - to flag potential issues

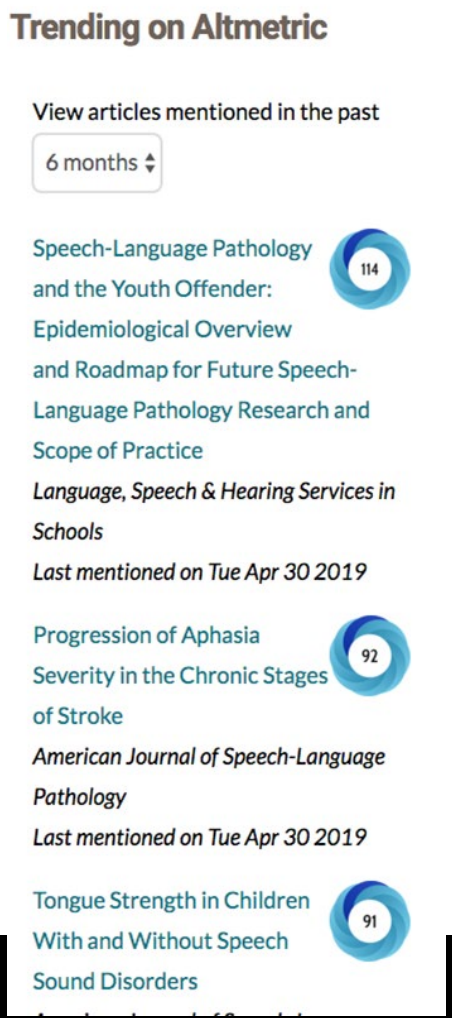
Tools and Services





DIGITAL science

Also Top 5 Code Available!



DIGITAL science

Other ways altmetrics are helpful

- Understand (and help your audience understand) how research is being received and interpreted
- Report back to authors, editorial boards, society partners
- Measure the success of outreach and promotional activity
- Identify hot topic content and guide future strategy
- Demonstrate innovation and an acknowledgement of the wider conversation

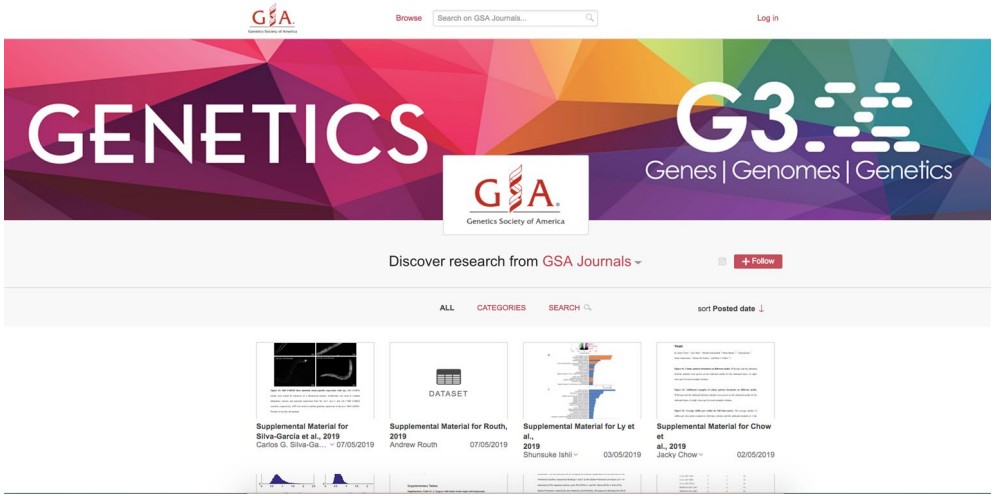
figshare

Figshare is a data publishing platform

- Infrastructure to showcase underlying data and supplementary material in support of traditional publications.
- Data files are previewable in the browser and available for download
- Every item on the Figshare platform receives a digital object identifier (DOI), thus enabling:
  - attention tracking
  - cita
  - pre

Figshare Portal

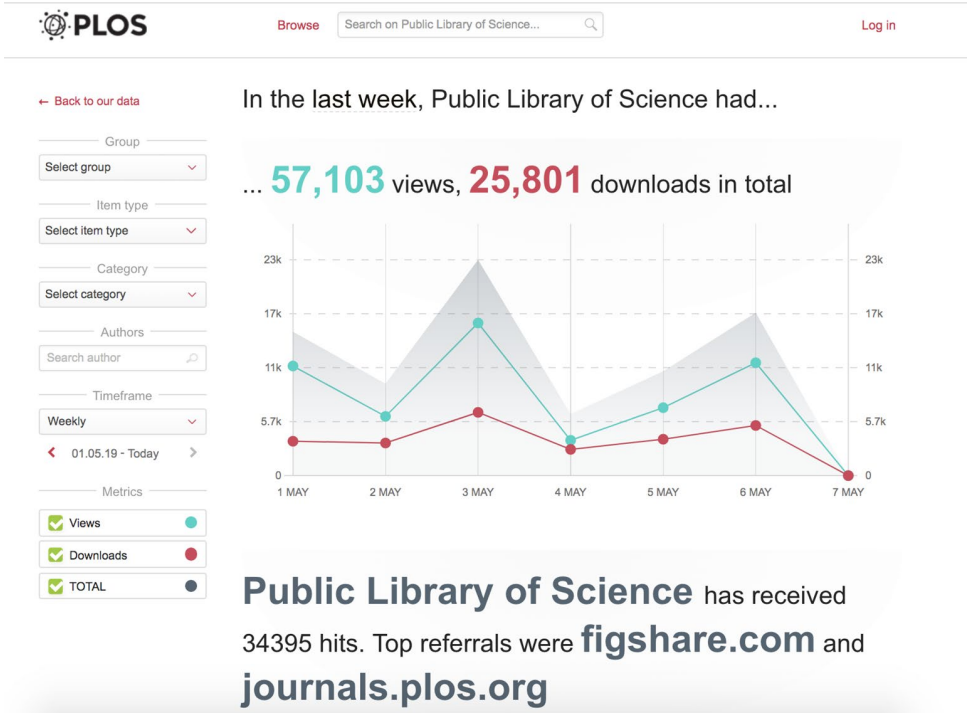
- Showcase your data with subject or journal-specific portal and sub-portals
- Each file is displayed on its own page, increasing the discoverability on Google*
- The SEO referral service with back-linking will drive new traffic to your site



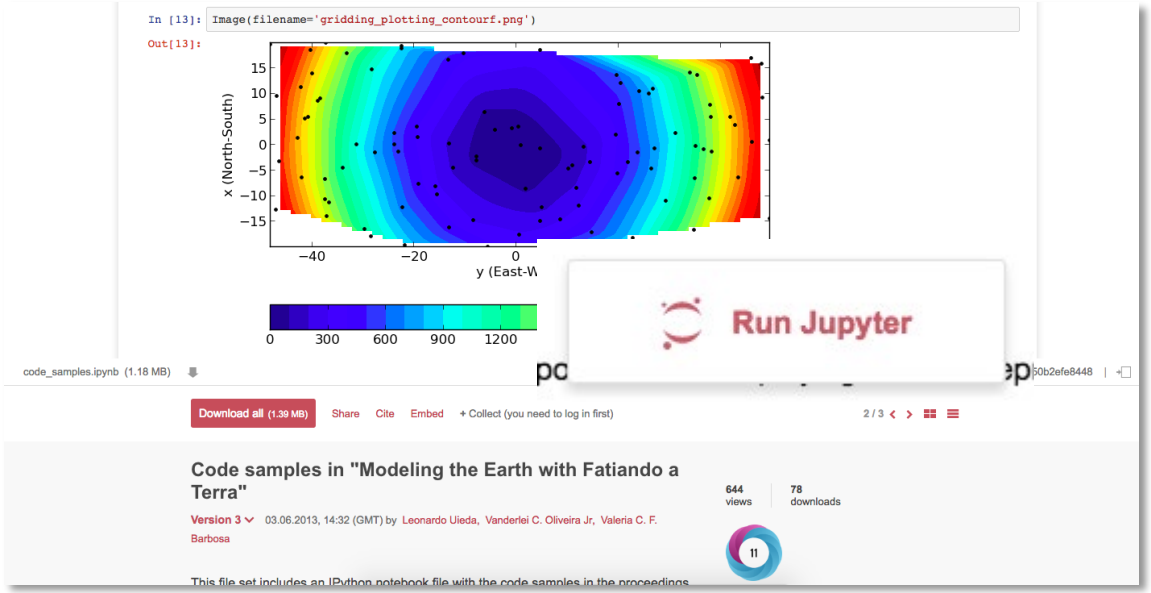
*everything on Figshare is indexed/marked-up for discovery in Google (using Google's recommended structured mark-up for scientific datasets), Google Scholar (where appropriate), DataCite, SHARE, and more…

Figshare Portal

- A library of your supplemental data objects
- Drive traffic to your content via bi-directional data linkage
- Usage statistics (views, shares, downloads, and citations) for each file, and the portal



We also have preview functionality for over 1,000 file type extensions and counting…

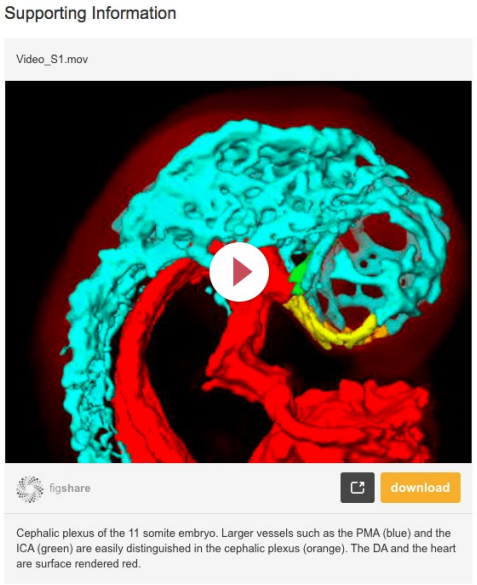


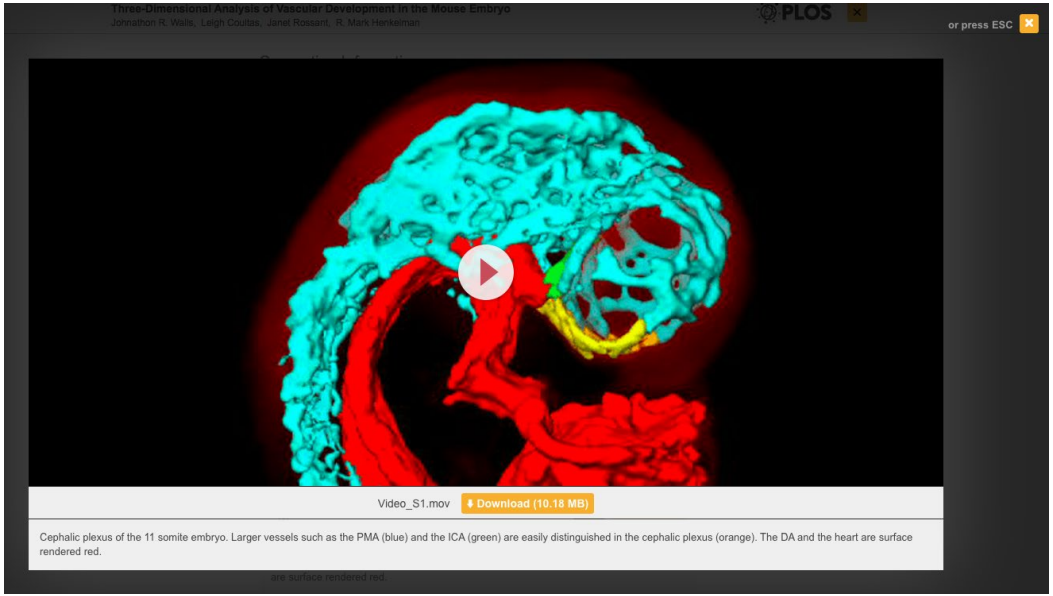
https://doi.org/10.6084/m9.figshare.708390.v3

With executable records on the horizon…

Figshare Viewer

Gives you an on platform experience - don't have to leave the journals website





https://doi.org/10.1371/journal.pone.0002853

DIGITAL science

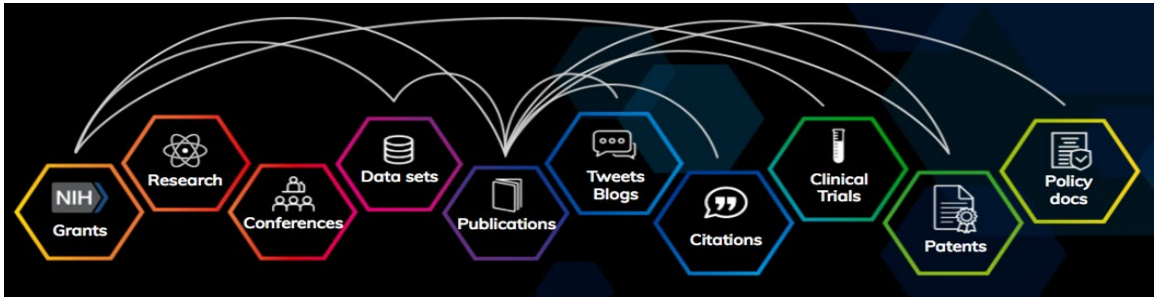
Royal Society - Case Study

- Data needs to be made available for wider understanding, and reproducibility
- An article from the Royal Society had a critical piece of data which went with the research, that needed to be published - **Audio Files!**
- The Royal Society needed a place to house these files so they could be easily viewed (or in this case, heard)
- Enter Figshare!
- The audio files were put into the custom branded Figshare library
- Two months after publication, the data fundamental to the article - audio clips of orcas imitating human speech along with some tabular data - has received almost 125,000 views and the collection of data has already been cited.

Dimensions

What is Dimensions?

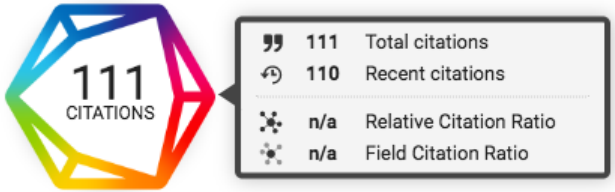
A Networked Research Knowledge System



- Connects data across the different elements of research (for discovery and analysis)
- Built in collaboration with 100+ research organization development partners worldwide
- Basic publications discovery version free for individual researchers
- Full data versions licensed to institutions, publishers, funders and corporate customers
- Features a variety of article-level metrics such as:
    - Altmetrics, total number of of citations, recent citations, FCR, RCR

Dimensions Indexing

- Content discoverability is enhanced via both the Dimensions platform and Papers apps
- Content gains linkages to grants, patents, policy, and clinical trials as it is more embedded within the Dimensions data network
- Use of Dimensions Badges are free for indexing partners and provide a valuable author service



Dimensions & Altmetric Badges

Questions?

Sara Grimme
s.grimme@digital-science.com

TREND MD

Grow your readership

Matt Cockerill
Director, Partnerships & Strategy
matthew.cockerill @trendmd.com
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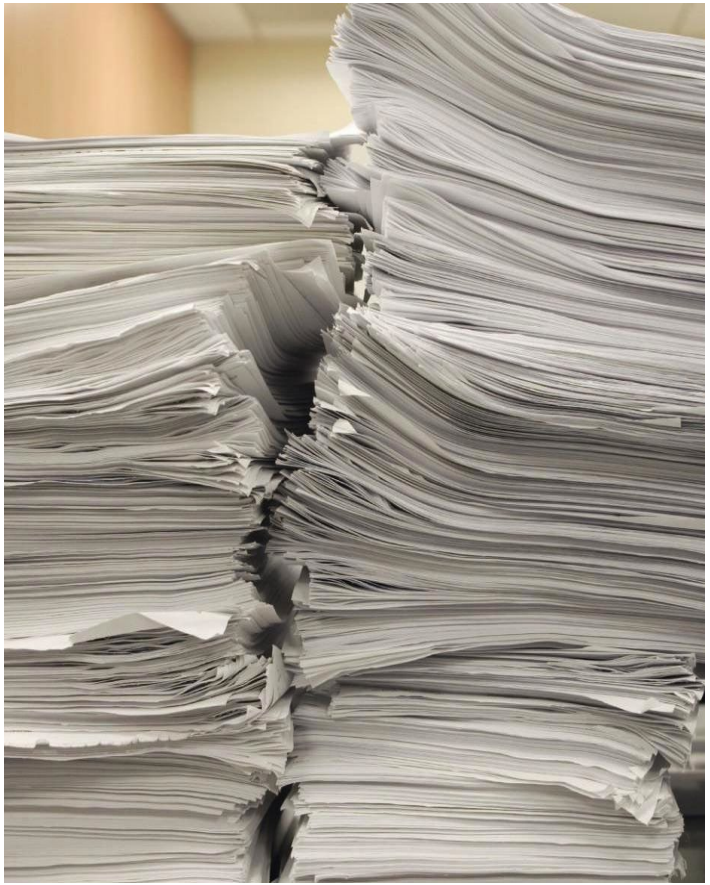
8,000+
new articles
per day



TREND MD

Two Sides of the Problem:

Researchers

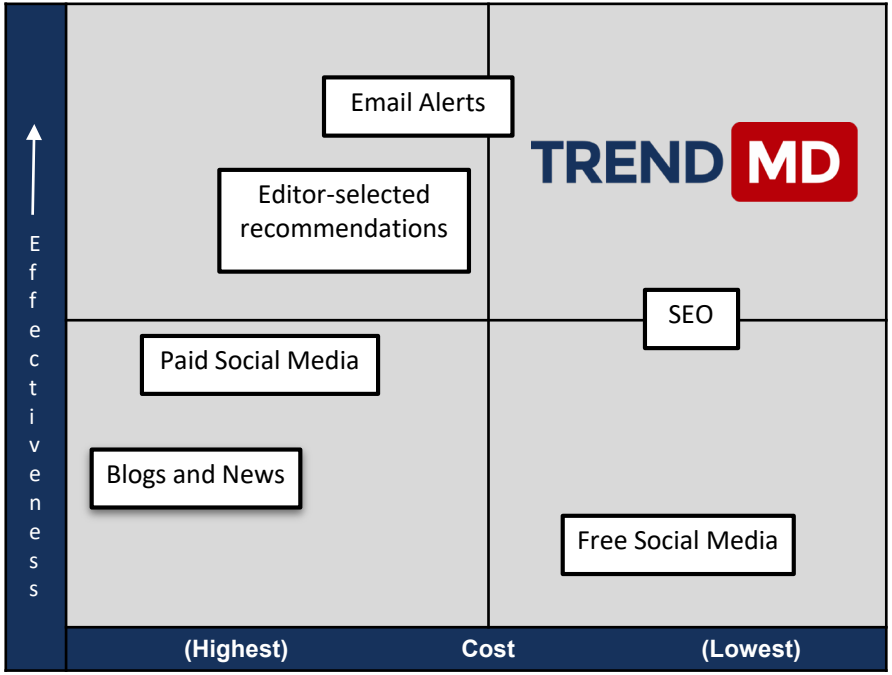
How do I find the content that will be most relevant and useful to my work?

Publishers, Authors

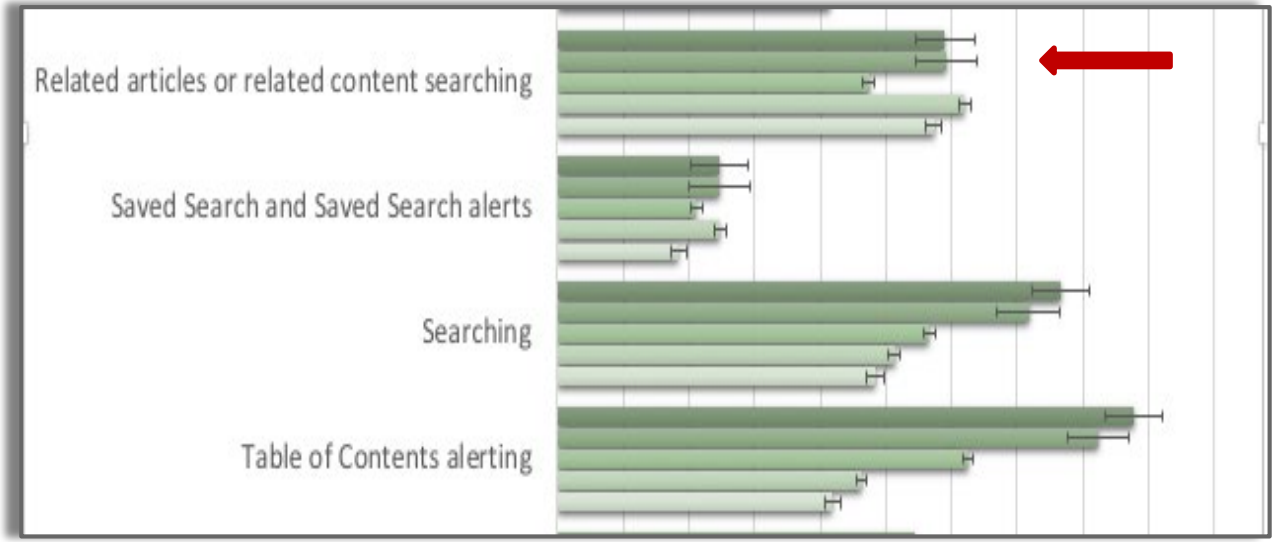
What can I do to promote discovery of my content?

TREND MD

Content Marketing in Scholarly Publishing



How do readers discover relevant articles on publisher websites



"Related articles remain the most popular feature of a publisher website."

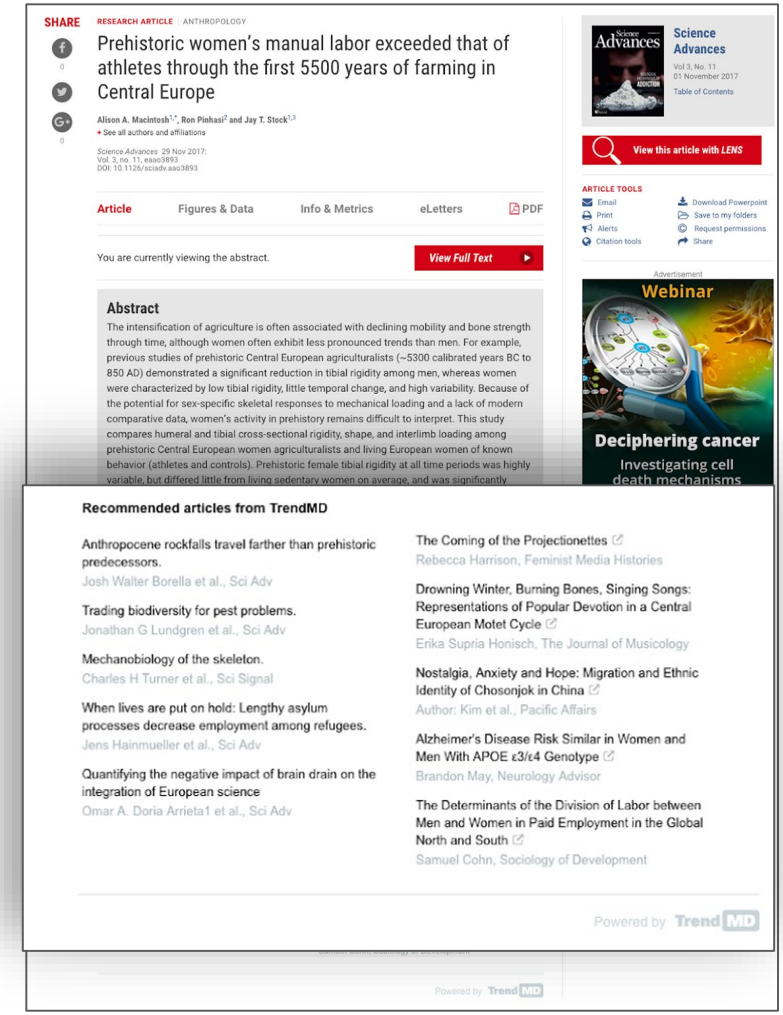
***How Readers Discover Content in Scholarly Publications*, Gardner & Inger, September 2018**

TREND MD

TrendMD article recommendations take into account

- What the user is currently reading
- What the user has read in the past
- What other similar users tend to find interesting

Much higher CTR than semantic “similar articles”

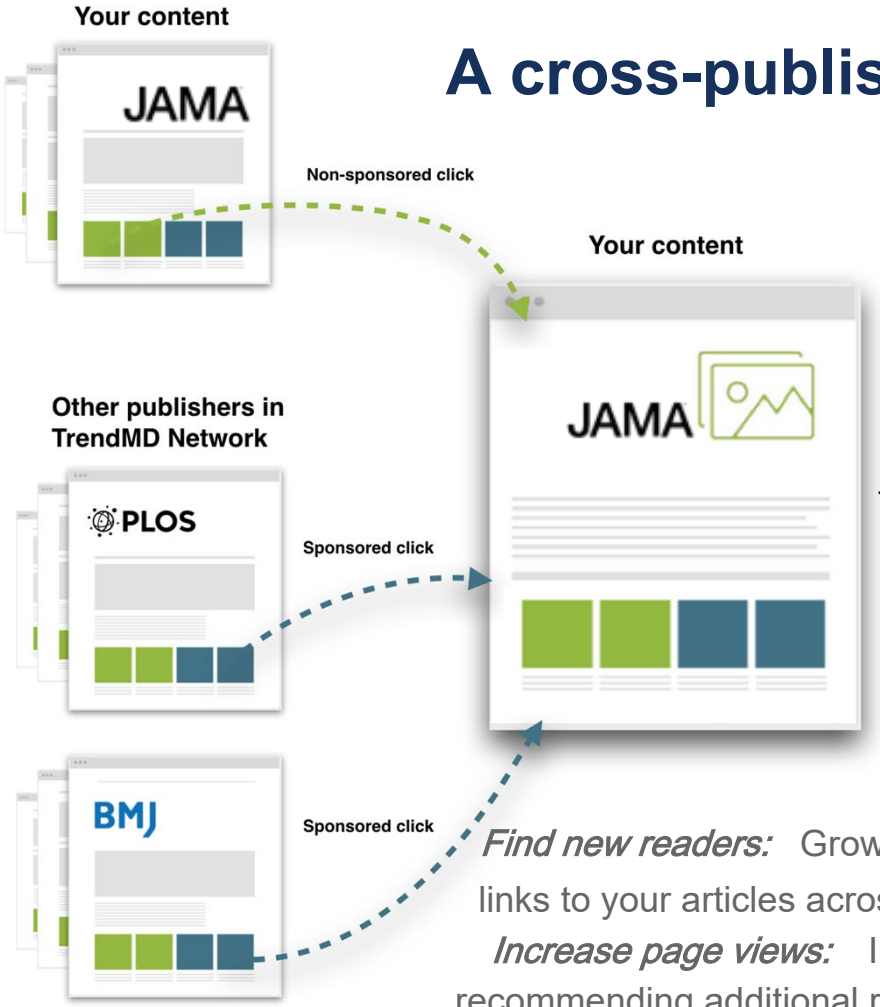


TrendMD is used on nearly 5,000 scholarly websites by 300+ publishers

Publishers

Integration partners

A cross-publisher network



Increased article usage, measured by:

Article pageviews

Mendeley readers

Altmetric scores

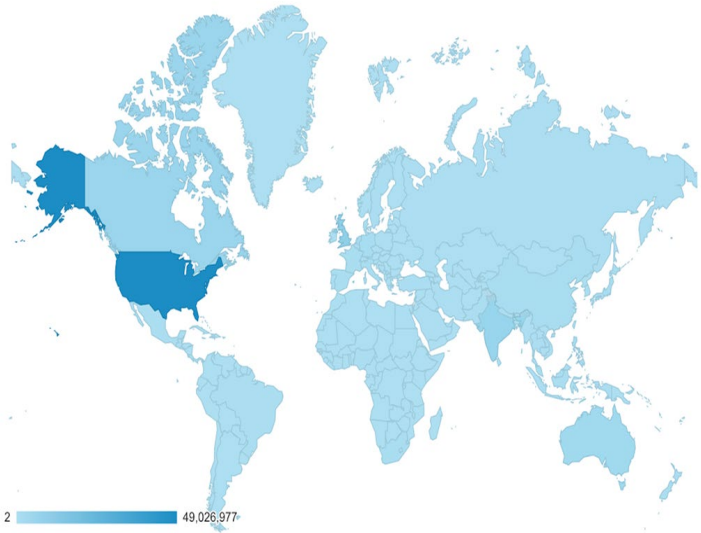
Citations

Find new readers: Grow your readership by showing links to your articles across top scholarly publications

Increase page views: Increase article views 4 -6% by recommending additional relevant content to all visitors

TrendMD unique widget impressions by country

Average Monthly Impressions, Oct-Dec 2018: 700M



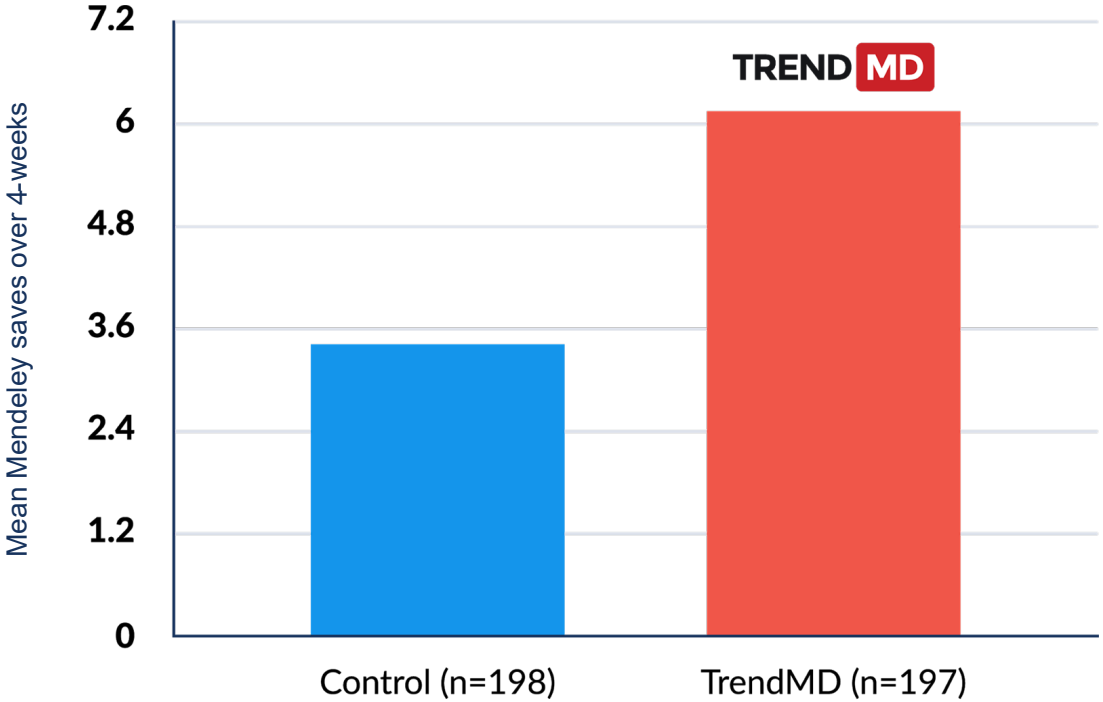
Country	Percent
United States	48.77%
United Kingdom	7.87%
India	6.25%
Canada	5.42%
Australia	3.86%
France	3.55%
Philippines	1.49%
China	1.25%
Germany	1.06%
Malaysia	0.92%
South Africa	0.80%
Japan	0.79%
Singapore	0.70%
Pakistan	0.66%
Netherlands	0.64%
Ireland	0.63%
Republic of Korea	0.61%
New Zealand	0.61%
Brazil	0.60%
Spain	0.53%
Italy	0.52%
Indonesia	0.49%
Russia	0.48%

Goals and Strategies

TREND MD Traffic Shaping

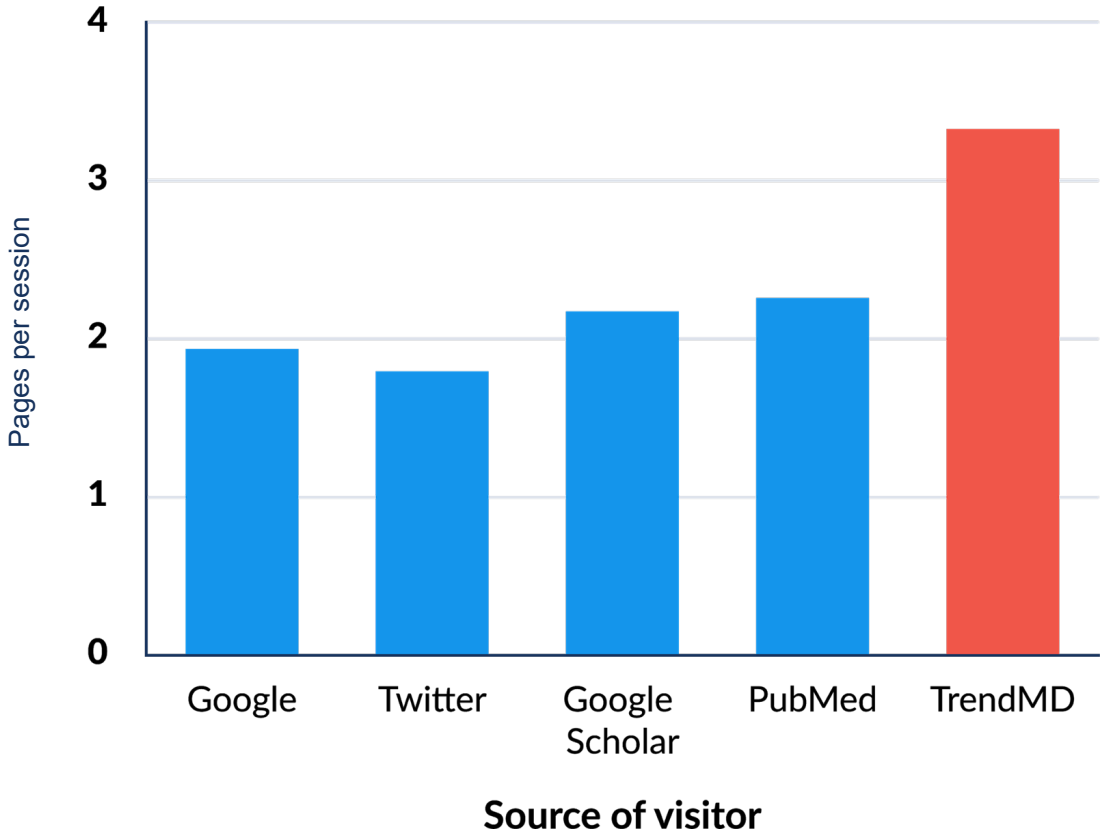
Professional & Enterprise Plans	
Goal	**Tactic**
Increase Impact Factor	➔ Promote only content from the previous 2 years ➔ Promote articles based on Most-Read, Most-Cited, or most-mentioned in altmetric data
Launch a new site	➔ Use credits from high-traffic sites to promote articles from new site
Highlight a sub-discipline or conference	➔ Run campaign to promote a collection, an issue, or selected articles
Increase author submissions	➔ Use backlink data to target authors publishing in 3rd-party journals
Increase institutional subscription sales	➔ Target by geographical location, by institution

Impact: TrendMD traffic increase is correlated with 77% increase in Mendeley saves

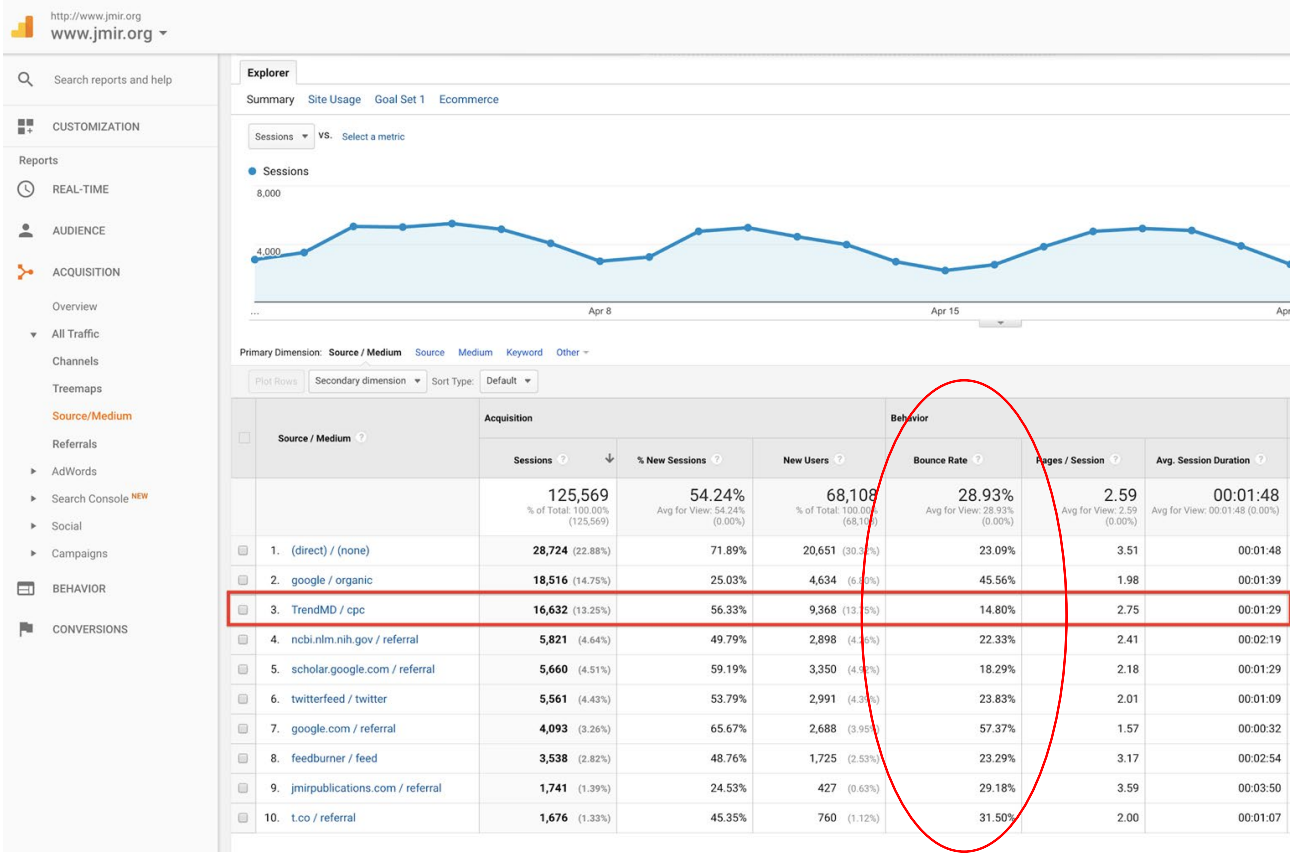


Read the Full Report in the Journal *Scientometrics*

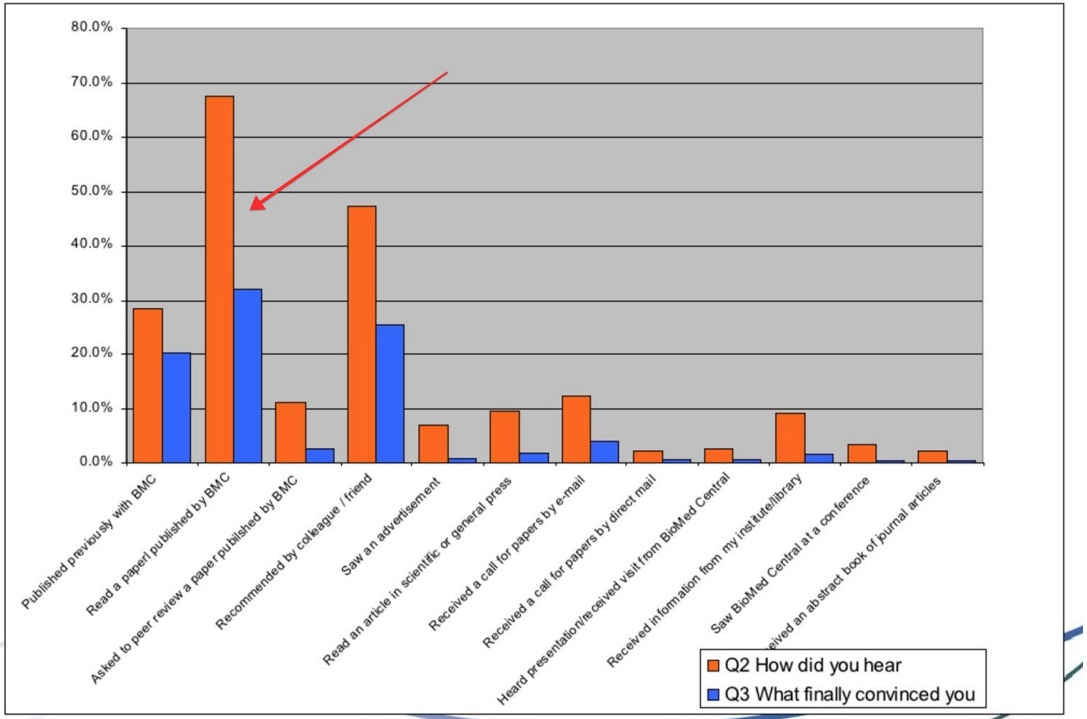
Reader Engagement: TrendMD readers view more articles per visit than all other traffic sources



Reader Engagement: TrendMD readers have the lowest bounce rate of all traffic sources



Attract more authors



BioMed Central
The Open Access Publisher

Case study: JMIR Publications uses TrendMD to drive author submissions

Goal:

- JMIR Publications, is a leading eHealth publisher of 24 Open Access journals
- Ue TrendMD to drive author submissions

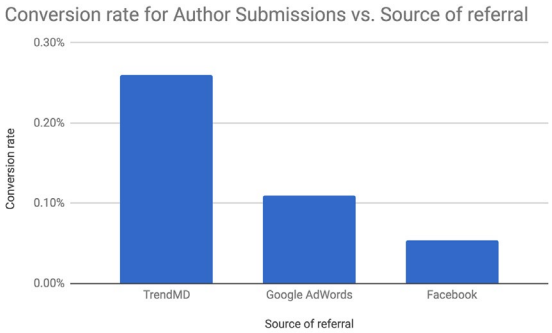
Strategy:

- JMIR Publications launched a TrendMD campaign to promote 500 articles from the Journal of Medical Internet Research (JMIR IF=5.175) to targeted researchers in the TrendMD Network
- Links to JMIR content were featured in TrendMD article recommendations, across a network of >4,000 journals such as The BMJ, Lancet, Pediatrics, and others
- 10,000 clicks were purchased for the campaign
- As controls, JMIR launched 2 additional campaigns: Google AdWords and Facebook, with the goal of driving author submissions

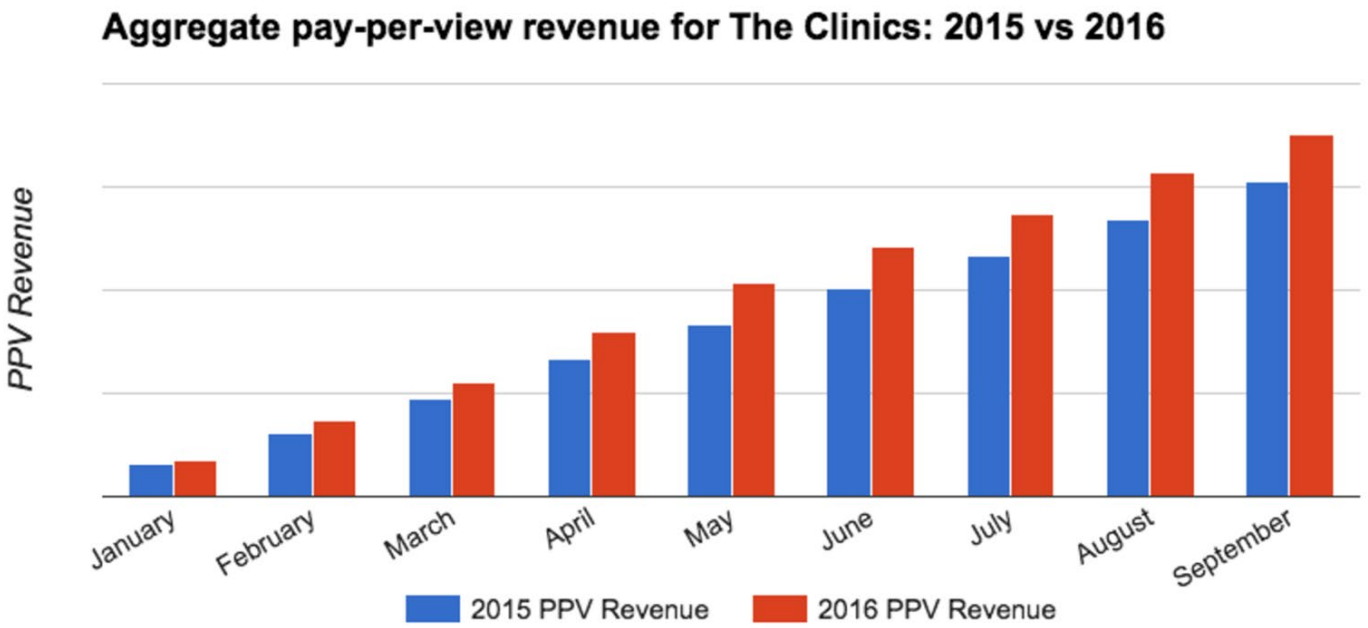
Results:

- TrendMD campaign resulted in 26 author submissions at a conversion rate of 0.26%
- ROI was nearly 10x
- TrendMD outperformed Google Adwords by >2x and Facebook by >5x

Source of referral	Sessions	Author submissions	Conversion rate
TrendMD	10,000	26	0.26%
Google AdWords	5,000	6	0.11%
Facebook	12,500	7	0.05%
Grand total	17,500	12	0.08%



Elsevier's monthly budget resulted in over 500% ROI with Clinics Review Articles (The Clinics)



https://www.trendmd.com/blog/elsevier_5xroi/

Targeting

TrendMD by default finds readers most likely to be interested in your content. More specific targeting is available under Enterprise Plans

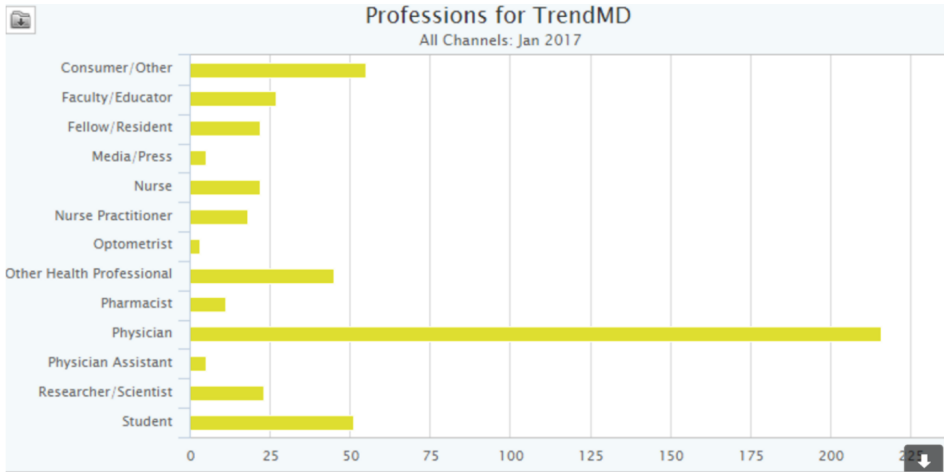
- Country or region (Global)
- Institutional (Global)
  - Target hospital networks, universities, colleges, organizations (via IP Registry)
- Physician targeting via NPI (North America)

Case study: TrendMD drives HCP signups

Goal:
Drive new HCP signups to Elsevier PracticeUpdate - http://www.practiceupdate.com/explore/

Strategy:
- Elsevier Practice Update installed the TrendMD widget and launched a campaign targeting HCPs
- Practice Update content was promoted in the TrendMD Network

Results:
- pilot campaign resulted in over 500 new HCP signups in first month
- Over 7,500 HCPs were directed to Elsevier Practice Update in first month
- Conversion rate was >5%



Breakdown of HCP signups to Elsevier Practice Update from TrendMD referrals

Case study : TrendMD<>Merck promotion of Nexplanon

Background

- In the sample data below, TrendMD was one of two sources of referral for a microsite sponsored by Merck.

Goals

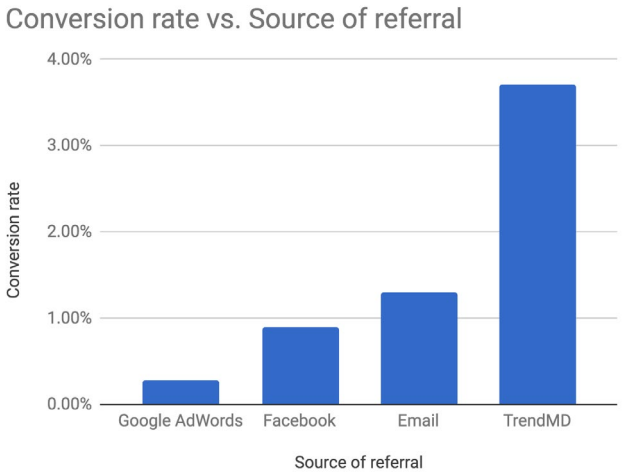
- Merck's goal was to promote the use of Nexplanon to targeted physicians and drive conversions which were measured as email signups.
- The brand had a small match list of 8,464 physicians with NPI numbers.
- TrendMD initially matched to 96% of the list.

Results

- 500 clicks were purchased from TrendMD with visitors only coming from the match list.
- The conversion rate with TrendMD was the highest compared to all other channels (3.71%)
- TrendMD alone succeeding in reaching over 5% of the original match list provided by Merck.

MERCK

Source of referral	Sessions	Pageviews	Pages/session	Bounce rate	TOS	Conversions	Conversion rate
Google AdWords	180	224	1.24	76%	0:01:15	1	0.28%
Facebook	220	276	1.25	82%	0:01:22	2	0.90%
Email	73	161	2.21	62%	0:02:03	1	1.30%
TrendMD	500	1116	2.23	47%	0:02:14	19	3.71%
Grand total	973	1777	1.83	67%	0:01:44	22	1.55%



Get in touch!

Matt Cockerill
Director, Partnerships & Strategy
matthew.cockerill@trendmd.com
+44 7958 440 253

Michaela Krog
Account Manager
michaela.krog@trendmd.com
+1 437 266 1121

TREND MD

Cenveo®
publisher services

About Cenveo Publisher Services

HighWire / Cenveo Publisher Services Partnership

Marion Morrow, Director Sales & Marketing, UK | June 13, 2019 | @CenveoPublisher

Transformative solutions for every stage of the content life cycle

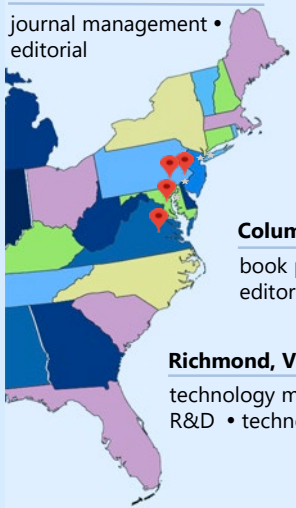
Transformative Publishing Solutions

Cenveo®
publisher services

Working with the world's greatest publishers

Cenveo®
publisher services

Global reach with a personal promise



Lancaster, PA

journal management • editorial

Fort Washington, PA

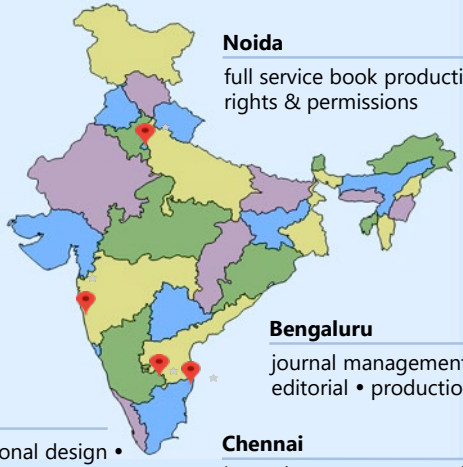
project management • development • editorial • art & design • rights & permissions • translations

Columbia, MD

book project management • development • editorial • journal management • editorial

Richmond, VA

technology management • R&D • technology support



Noida

full service book production • rights & permissions

Bengaluru

journal management • editorial • production

Mumbai

e-learning • instructional design • art • eBooks • translations • scanning, digitization, conversion • technical support

Chennai

journal management • editorial • production • art • technology support

London

project management • editorial

Cenveo®
publisher services

Journal Services

Publishing solutions built on technology and editorial expertise

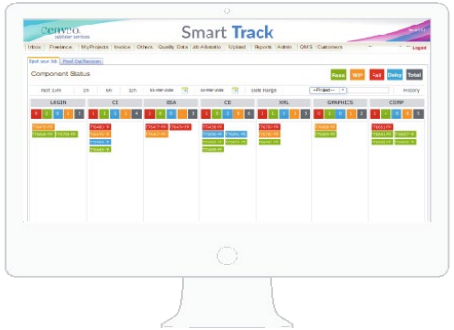
Specializations:

- Subject matter experts
- Speed to publication
- XML—NIMAS, JATS, DocBook, BITS
- 508 Compliance
- Workflow optimization
- Automated composition

Cenveo®
publisher services

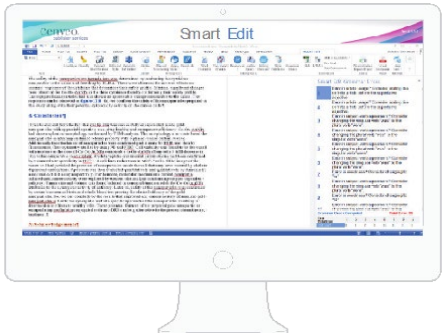
Technology Platform: Smart Suite

Achieve accelerated workflows and ensure editorial quality



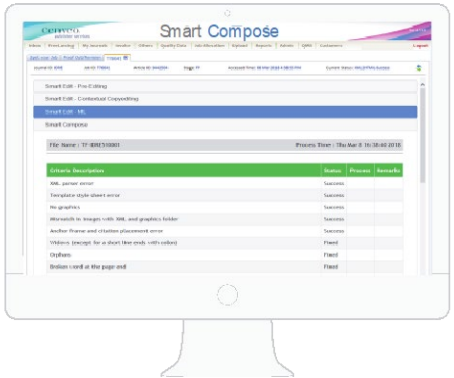
Smart **Track**

- ✓ Mission control center
- ✓ Track all content transactions
- ✓ Automated movement of content
- ✓ Status overviews
- ✓ Drill-down reporting



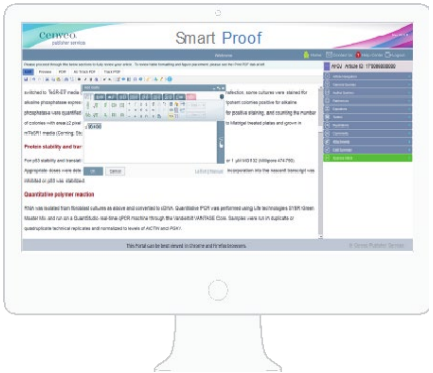
Smart **Edit**

- ✓ Pre-edit system
- ✓ AI and NLP
- ✓ Contextualized editing
- ✓ Content clean-up
- ✓ Automated XML creation



Smart **Compose**

- ✓ Automated composition
- ✓ InDesign-based pages
- ✓ 3B2-based pages



Smart **Proof**

- ✓ Automated proof creation
- ✓ Browser-based edits
- ✓ Maintain back-end XML
- ✓ PDF quick view

Cenveo®
publisher services

Magazine Services

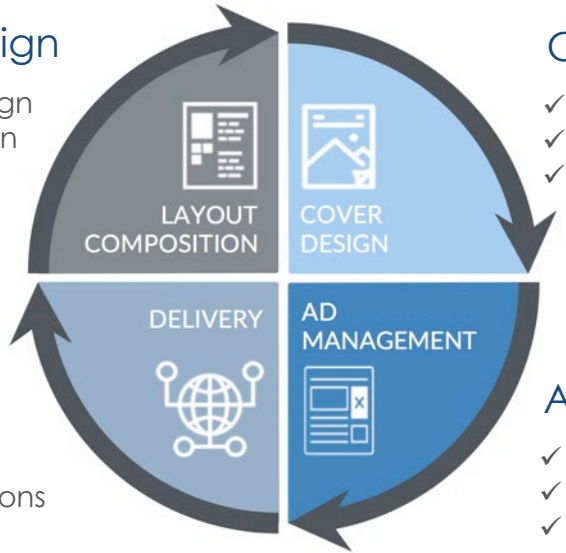
Full service editorial and production

B2B, B2C, Associations, Societies

A range of creative services for print and digital production of magazines and newsletters for weekly, monthly, and quarterly publications.

Page Design

- ✓ layout design
- ✓ composition
- ✓ template creation



Cover Design

- ✓ photo research
- ✓ art rendering
- ✓ color corrections

Delivery

- ✓ print
- ✓ digital editions
- ✓ fulfillment

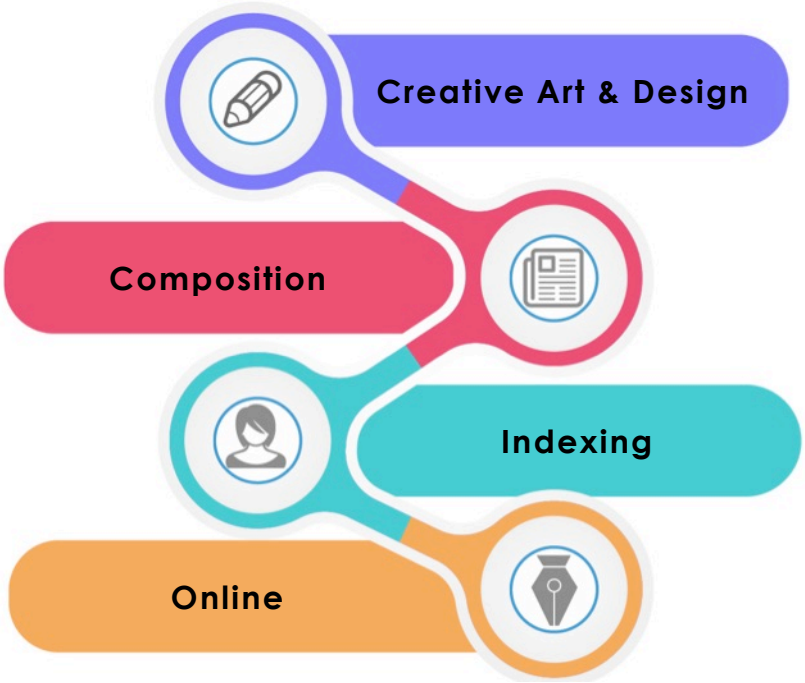
Ad Management

- ✓ print
- ✓ digital editions
- ✓ fulfillment

Cenveo®
publisher services

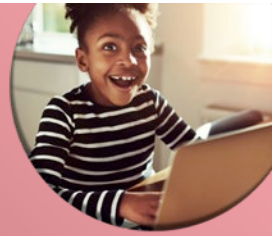
Book Services

Solutions built on technology and editorial expertise



Cenveo®
publisher services

Cenveo Learning



Multi-device Learning Solutions

Complete courseware for varying target audiences and domains

Microlearning

Animation and video-based concepts with narrative explanations

Gamification

Game designs based on grade level curriculum goals

Simulations

Learning simulations that instruct and adapt to individual experience

Mobile Content

Mobile app content produced for iOS and Android

eBooks

Production and delivery

Accessibility

Standards compliance (Section 508, WCAG, EPUB Accessibility, and other industry and non-industry standards)

Platforms

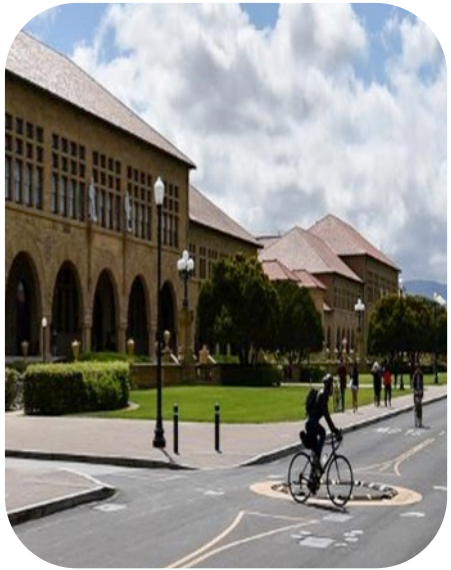
LMS and SIS platform integration, development, and testing

Partnership with HighWire

Cenveo®
publisher services

Partnership with HighWire

- A joint focus on a flexible platform, providing a user experience that reflects the highest quality content and improving discoverability
- One-stop workflow solutions, from article submission (peer review) to digital delivery (online hosting)
- Publishers working with both organizations will have access to a single project management team
- Strategic alignment across product development, supplier events, industry meetings, user groups, etc.
- Optimized pricing across peer review (BenchPress), editorial & production solutions, and online hosting
- More seamless technical integrations between Cenveo/HighWire/publishers



HighWire

Cenveo®
publisher services

Thank you!

Marion Morrow, Director, Sales & Marketing

Cenveo Publisher Services (UK & Europe)

marion.morrow@cenveo.com

@CenveoPublisher

Cenveo®
publisher services

TheIPregistry.org

– hassle free IP address updating for access authentication

IP-intrusion.org

– exposing cyber-crime and sharing information

Due Diligence Bureau

– fulfil your legal obligations and demonstrate compliance

developer of theIPregistry.org and IP-intrusion.org and Due Diligence Bureau

Andrew Pitts, CEO, PSI Ltd

PSI is a known and trusted 3rd party partner company within the publishing industry. PSI enables publishers, libraries and membership societies to work together, securely and confidentially, towards common goals of facilitating legitimate access to scholarly content, eradicating the misuse of IP addresses, and combating cybercrime.

Guest Post: Think Sci-Hub is Just Downloading PDFs? Think Again

They're phishing, hacking, and password-cracking to steal personal and research data from the world's academic institutions. Andrew Pitts takes a hard look at Sci-Hub as, "Corrupt cybercriminals, not Robin Hood."

By SCHOLARLY KITCHEN | SEP 18, 2018 | 64 COMMENTS

PSI

Home About Our Services News Sign Up Contact Us

Technology Solutions for Collaboration in the Academic Research Community

theIPregistry.org

IP-intrusion.org

Due Diligence Bureau

PSI OA Metrics Generator

Know who is reading your content, know where your readership is based

PSI Gap Analysis

Access a databank of customers subscribing to the content of over 170 of the world's largest publishers

PSI LogFileLeads

Develop your denials and turnaround your turnaways

Are you worried about your content appearing on Pirate sites like Sci-Hub?

Are you confident that you are using the right IP addresses to provide access for your customers? (N.B. Historically 58% of the IP addresses held by publishers are incorrect!)

Do your customer service staff struggle to process hundreds of IP updates every month?

2001:0db8:85a3:0000:0000:8a2e:0370:7334

Are you concerned about the large fines that could be imposed on you if you fail to demonstrate compliance with anti-bribery legislation?

Would you like to know which potential customers already subscribe to similar content from other publishers and which are trying to access your content but being turned away?

Do you need to provide authors with meaningful data about who is reading your journals?

Would you like to identify who is reading your OA content?

Would you like to take action to minimise the impact of cyber-crime?

PSI developer of theIPregistry.org and IP-intrusion.org and Due Diligence Bureau

TheIPregistry.org – Update

- Verified users currently maintaining the organisation profiles for over 1000 different content subscribing organisations
- These subscribing organisations come from 178 different countries
- On average theIPregistry.org receives around 800 IP updates every month
- Approx. 20% of the IP updates we receive directly from publishers require some form of moderation due to errors in the data

TheIPregistry.org **is the only registry that checks and verifies IP addresses to eliminate the errors that commonly occur**

- TheIPregistry.org now holds pre-populated profiles for over 72,000 content subscribing organisations worldwide
- There are over 1.5 billion verified IP addresses stored in the IP registry

theIPregistry.org

Example

The example below shows an IP range provided to the IP registry by a publisher allowing libraries to register their own IPs directly to the authentication system.

Agents can manipulate licenses to confuse and conceal the real customers.

Mistakes can open access to the wrong customers, or to more customers than are licensed, removing new sales opportunities.

This IP range was entered as 150.241.222.100-155.241.222.105 instead of 150.241.222.100-150.241.222.105 this opened access to 995 different organisations – a simple error of just one digit!

***TheIPregistry.org* will eliminate this kind of error!**

PSI IP Intrusion Service Database

Exposing cyber-crime and sharing information across the academic research community

The story so far

January 2017 - Request for Proposals circulated by AAP (Association of American Publishers)
April 2017 – PSI's proposal submitted to AAP
July 2017 – PSI asked to move ahead with project by AAP
January 2018 – Launch of IP-intrusion.org
June 2018 – ALPSP Awards for Innovation in Publishing 2018 shortlist announced to include IP-intrusion.org
January 2019 – Success story at UCL London following pilot library release
February 2019 – Blocklist made available to all libraries for FREE via theIPregistry.org. 60 downloads by 50 different content subscribing organisations so far…
April 2019 – Publisher reports reduction in number of intrusions following introduction of new EZproxy security feature that calls out to PSI blocklist for validation

A community liaison hub where publishers and libraries can exchange information and warn each other about threats via *IP-intrusion.org* in *REAL* time

Publishers using *IP-intrusion.org*:

◆ AAAS ◆ ACS ◆ ACSESS ◆ AMA ◆ AWS ◆ APS ◆ ASME ◆ ASTM ◆ Elsevier ◆ IEEE ◆ Microbiology Society ◆ OCLC ◆ Royal Society ◆ SAE International ◆ SPIE ◆ Taylor & Francis ◆

IP-intrusion.org

PSI Due Diligence Bureau

With DDB publishers can demonstrate compliance

History of DDB

July 2011 - Macmillan Publishers fined £11 million "in recognition of sums it received which were generated through unlawful conduct".
July 2012 – OUP agrees to pay £1,895,435 in relation to "unlawful conduct related to subsidiaries".
October 2014 – International Association of Scientific, Medical and Technical Publishers (STM) releases *Principles and Policies for Publishers and Subscription Agents – Compliance with Anti-Corruption Programme*.
October 2014 – STM recommends PSI's Due Diligence Bureau "as part of a voluntary compliance mechanism for members".
Spring 2015 – Launch of DDB
Spring 2018 – DDB celebrates 3 year anniversary and adds new service features, including training video, at request of publishers.
Spring 2019 – Publishers using DDB report passing auditors' proof of compliance checks with flying colours.

The service offers peace of mind, allowing publishers to demonstrate compliance and protect their reputation

Due Diligence Bureau

For further information please contact:

info@PSIregistry.org

Other PSI products available include:

- ✓ **PSI Gap Analysis Tool** – access a databank of customers subscribing to the content of over 150 STM publishers
- ✓ **PSI OA Metrics Generator** – generating COUNTER compliant, open access usage metrics for OA publishers and university repositories
- ✓ **PSI LogFileLeads** – the log file analysis sales tool

Photo by Crew on Unsplash