

Planning effective Institutional outreach
for 2018:
An altmetrics case study



Planning effective Institutional outreach for 2018: An altmetrics case study

ETH *zürich*
D CHAB



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Housekeeping:

- We are recording the webinar
- Questions? Use the Q&A box in the Webinar tool
- Use the chat box for issues with audio/video
- Q&A will be at the end, type questions any time!



Who are we?



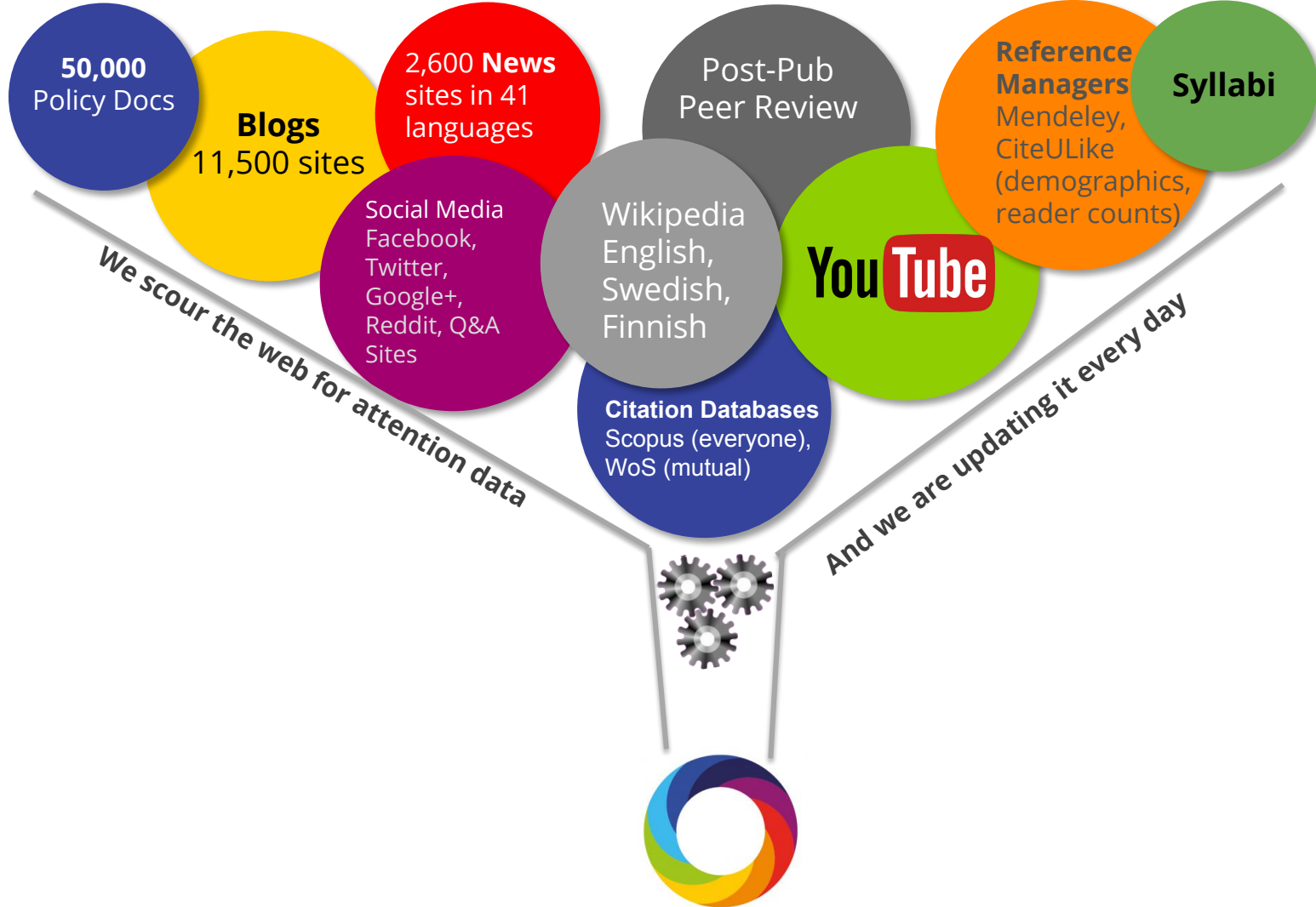
As a **data science company**, we **track attention** to research outputs, delivering **output level metrics** via visually engaging, intuitive interfaces.



Altmetric belongs to the Digital Science Family
A portfolio company developing research technologies

Altmetric Data: What we track

DOIs	General (often journal articles, data sets, book chapters etc)
PubMed ID	Medicine
NCTs	Clinical Trials on clinicaltrials.gov
URN	European Academic Repository Data
ADS ID	Astrophysics data system
SSRN ID	Social Sciences
ISBN	Books
RePEC ID	Economics
Handles	General (often academic institutions, DOI Minting orgs)
ArXiv	Physics, Maths and IT
URLs	Blogs, Images, Reports, Press Releases, General (created especially for Altmetric clients)




Overall data




TOTAL
MENTIONS
62,601,888


RESEARCH OUTPUTS
14,233,487

Institutional Platform



EXPLORE THE ALTMETRIC DATABASE

 **ETHzürich** CHAB

 Search for research outputs...

☐ FULL ALTMETRIC DATABASE OR ☒ MY INSTITUTION ONLY

+ ADVANCED SEARCH

Showing **all** research outputs from **Department of Chemistry and Applied Biosciences** sorted by **Altmetric Attention Score** **SAVE SEARCH**

<

1

2

3

4

5



...













63

64

>

Sort by **Altmetric Attention Score**



 BigBrain: An Ultrahigh-Resolution 3D Human Brain Model Article in <i>Science</i> , June 2013	 GFAJ-1 Is an Arsenate-Resistant, Phosphate-Dependent Organism Article in <i>Science</i> , July 2012
 Observation of a new boson at a mass of 125 GeV with the CMS experiment at... Article in <i>Physics Letters B</i> , January 2012	 A Soft Total Artificial Heart-First Concept Evaluation on a Hybrid Mock... Article in <i>Artificial Organs</i> , July 2017
 Robust Chemical Preservation of Digital Information on DNA in Silica with... Article in <i>Angewandte Chemie, International Edition</i> , February 2015	 How to name new chemical elements (IUPAC Recommendations 2016) Article in <i>Pure and Applied Chemistry</i> , April 2016
 A promoter-level mammalian expression atlas Article in <i>Nature</i> , March 2014	 An anticancer drug suppresses the primary nucleation reaction that initiates... Article in <i>Science Advances</i> , February 2016
 Ab initio calculation of the neutron-proton mass difference Article in <i>Science</i> , March 2015	 A dural lymphatic vascular system that drains brain interstitial fluid and... Article in <i>The Journal of Experimental Medicine</i> , June 2015
 Self-defending anti-vandalism surfaces based on mechanically triggered mixing... Article in <i>Journal of Materials Chemistry</i> , January 2014	 Bright triplet excitons in caesium lead halide perovskites Article in <i>Nature</i> , January 2018

OVERVIEW

ANALYZE THESE RESULTS

Total mentions

14,132

Research outputs

6,078

Outputs with mentions

2,229


Sources of attention

14

EXPORT

EXPORT SEARCH RESULTS

ATTENTION SUMMARY



2k
1k
0k

2012 2014 2016 2018

All overview statistics and organization were last updated **about 14 hours ago**.
Next update will run in **about 10 hours**.

Institutional Platform

Results analysis

Analyzing results for all research outputs from Department of Chemistry and Applied Biosciences sorted by Altmetric Attention Score

SUMMARY

HIGHLIGHTS

DEMOGRAPHICS

MENTIONS

JOURNALS AND COLLECTIONS

EXPORT THIS TAB

SAVE SEARCH



Showing mentions over time for 6,078 research outputs in your search query.

WHAT'S IN THIS TAB?

ALL TYPES



14,132

NEWS

1,548

BLOG

652

POLICY

25

TWITTER

10,501

PEER REVIEW

22

WEIBO

39

FACEBOOK

762

WIKIPEDIA

165

GOOGLE+

250

LINKEDIN

2

REDDIT

29

F1000

118

Q&A

5

VIDEO

14

ZOOM

1 week

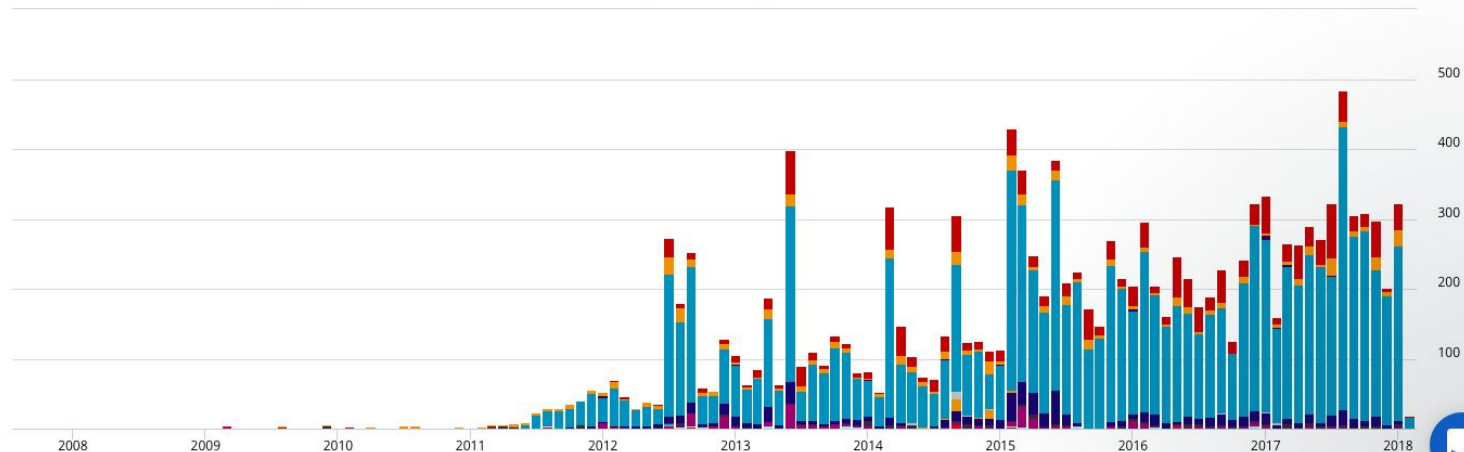
1 month

3 months

6 months

1 year

All time



Full API - Clients can build their own solutions



EXPLORE THE ALTMETRIC DATABASE



TOPICS

- Introduction
- JSON API
- Pagination
- API Keys
- Reset API Keys
- Authentication

ENDPOINTS

- Research Outputs
- Attention Summary
- Demographics
- Mentions
- Journals

APPENDIX

- Mention Types

Altmetric Explorer API

The Altmetric Explorer API gives programmatic access to all of the research outputs and attention data within your instance of the Altmetric Explorer. For customers with an institutional data implementation, imported information such as author names, department or group names, and institutional research outputs are all searchable via the Explorer API. This data is very similar to the data contained in the CSV spreadsheet exports. However, with the API you are able to access it programmatically and check for updates.

You will need some programming experience in order to pull data from this API.

JSON API

The API is generally following the [JSON API specification](#). That means you'll find many objects in a standardized format.

NAME	DESCRIPTION
meta > query Hash	Contains information about the request you have made: the digest and key you've sent along, any filter parameters, and page requested.
meta > response Hash	Some details about the response being sent to you. It includes the status ("ok" or "error"), a description of your request, and the total number of papers you can paginate through.
links > self	URLs you can follow to the appropriate page. "next" does not

```
{
  "meta": {
    "query": {
      "digest": "8c596df9e9ff44f57c82eccc61221ce243",
      "key": "7fa762bc209b4dc1b61f09043807a52d",
      "page": {
        "number": 1,
        "size": 25
      }
    },
    "response": {
      "description": "All research outputs from Acc",
      "status": "ok",
      "total-pages": 181,
      "total-results": 4514
    }
  },
  "links": {
    "first": "https://www.altmetric.com/explorer/..."
  }
}
```

Oliver Renn and Joachim Schanbl
ETH Zurich



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[Whatarealtmetrics.com](#)

[What goes into the Altmetric Attention Score?](#)



Q&A

