



# To what Degree are African Researchers Publishing in Open Access Journals Since the launch of Plan S

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# Digital Disruption in #HigherEd

□ Rise & demand for



□ **OA**> seeks to return scholarly publishing to its original purpose: spread knowledge and allow it to be freely accessible.

□ No paywalls

# Global Trends in OA

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Plan S

Making full and  
immediate Open  
Access a reality



- ❑ Launched in 2018
- ❑ Supported by a cOAlition S, an international consortium of research funders.
- ❑ Requires that, from 2021, scientific publications that result from research funded by public grants must be published in compliant Open Access journals or platforms.

# Open Access Publications 2018-Date

(As of 4 Aug)



☐ > 310,694 publications

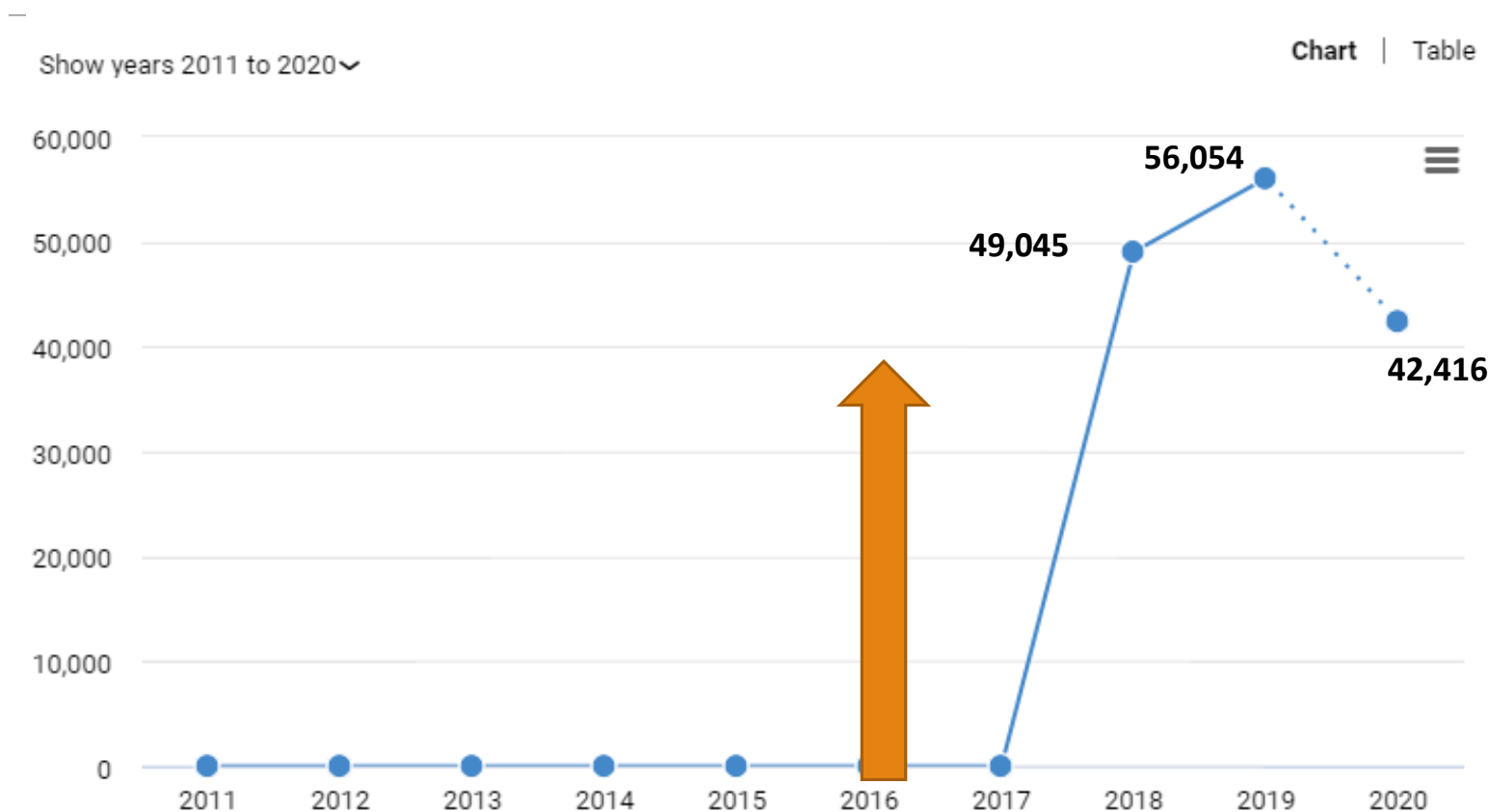
Open Access  >147,515  47.5 %

☐ Medical & Health Research > 66,048

☐ Visual Arts & Crafts > 11

# Total Publication output trends year on year

All years: 147,515



# Citation impact Non OA VS OA

163,179-Publications

Citations  
362 K

Citations (Mean)  
2.22



Name	↓ Publications	Citations
All OA	147,515	369,497
Pure Gold	70,385	166,416
Bronze	33,490	61,079
Hybrid	18,544	58,158
Green, Published	11,513	23,209
Green, Submitted	9,682	31,560
Green, Accepted	3,901	29,075

# OA Paper with highest Altmetric Score

MO

Mentioned by

- 546 news outlets
- 69 blogs
- 2 policy sources
- 8252 tweeters
- 54 Facebook pages
- 12 Wikipedia pages
- 18 Redditors
- 1 research highlight platform
- 1 video uploader

Citations

- 65 Dimensions

Readers on

- 848 Mendeley

## World Scientists' Warning of a Climate Emergency

Overview of attention for article published in BioScience, November 2019



### SUMMARY

News

Blogs

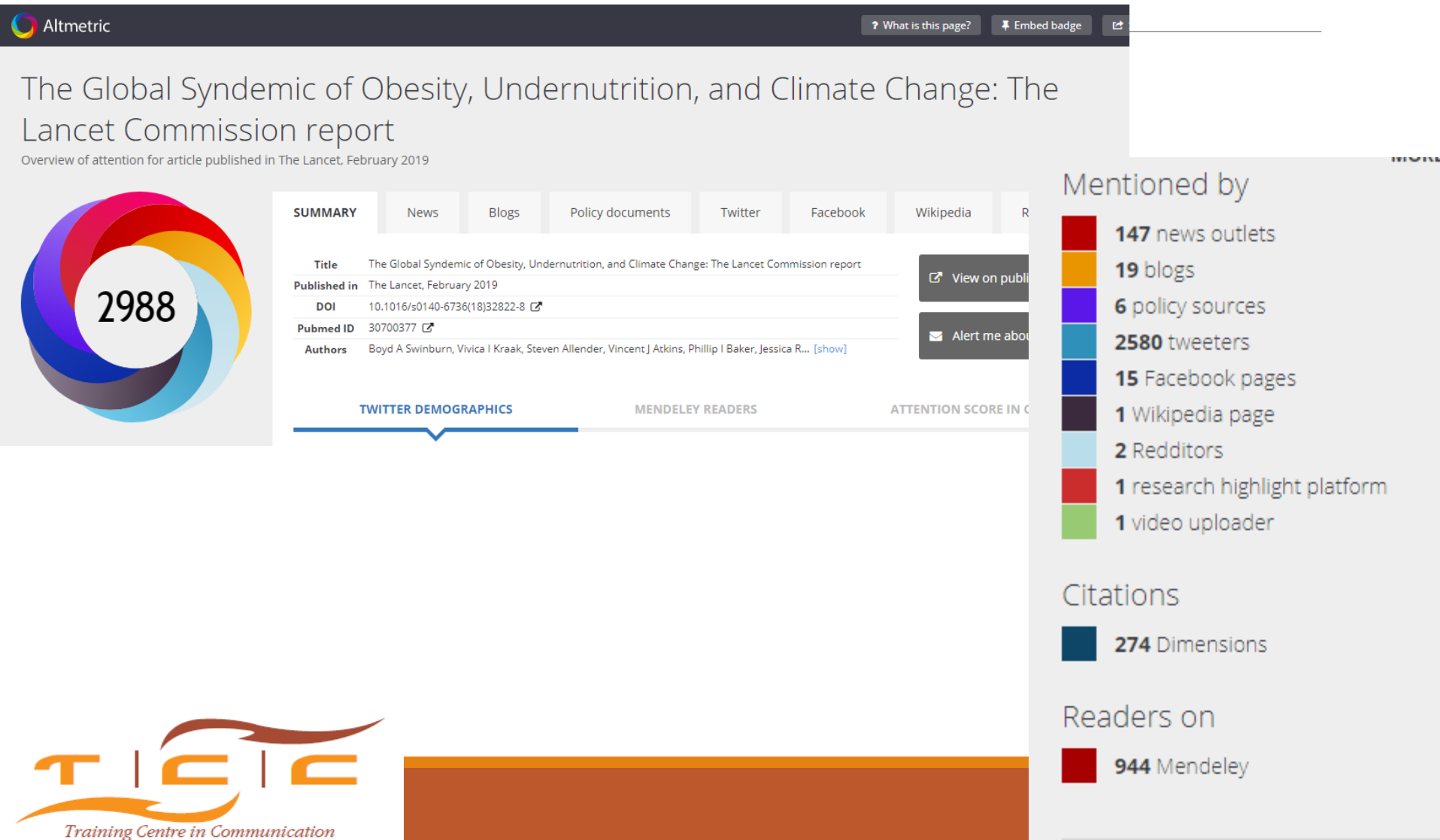
Policy documents

<b>Title</b>	World Scientists' Warning of a Climate Emergency
<b>Published in</b>	BioScience, November 2019
<b>DOI</b>	10.1093/biosci/biz088 <a href="#">↗</a>
<b>Authors</b>	William J Ripple, Christopher Wolf, Thomas M Newsome, Phoebe Bar...

TWITTER DEMOGRAPHICS

MENDELEY

# Non OA Paper with highest Altmetric Score



# Top 15 OA Journals Africans are publishing

Research Square		5,087	
PLoS ONE		3,111	
SSRN Electronic Journal		2,152	
bioRxiv		1,894	
Scientific Reports		1,459	
Pan African Medical Journal		1,431	<b>6</b>
RSC Advances		1,071	
Journal of Physics Conference Series		1,013	
IOP Conference Series Materials Science an...		929	
BMC Public Health		910	
IEEE Access		828	
Heliyon		811	
BMC Research Notes		776	
South African Medical Journal		739	<b>14</b>
The Medical Journal of Cairo University		696	<b>15</b>



# Top Funders?

- ❑ European Commission- 3,381
- ❑ Wellcome Trust- 2,861
- ❑ National Institute of Allergy and Infectious Diseases- 2,792
- ❑ Bill & Melinda Gates Foundation -2,453
- ❑ Medical Research Council, UK -2,330
- ❑ National Natural Science Foundation of China - 2,075
- ❑ European Research Council -1,494
- ❑ German Research Foundation-1,457
- ❑ World Health Organization- 1,424
- ❑ National Institute of Mental Health-1,183
- ❑ National Institute of Child Health and Human Development-1,136
- ❑ South African Medical Research Council -1,074 (12TH)

DATA COURTESY OF DIMENSIONS.AI

# Conclusion

- ❑ African researchers have by 47.5%
- ❑ Strong correlation with citation impact and open access publications
- ❑ Strong correlation with increased research visibility in open access publications- altmetric score
- ❑ Kenyan journal is leading in open access publication
- ❑ Top funders - **South African Medical Research Council -1,074 is 12<sup>th</sup> .**



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SUPPORT  
EMPOWER

improving research output & visibility

• Rectangular Snip

## TRAIN



### TCC BUILDS INDIVIDUALS, INSTITUTIONS & COUNTRIES

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## SUPPORT



### TCC INCREASES IMPACT OF AFRICAN SCIENCE

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**YEARS**

**TCC**

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**ANNIVERSARY**