CGIAR SYSTEM
ANNUAL PERFORMANCE REPORT ON 2017

Examples of Altmetrics scores for CGIAR Publications in 2017

ANNEX TABLE D – EXAMPLES OF ALTMETRICS SCORES FOR CGIAR PUBLICATIONS

Alternative metrics ("altmetrics") at CGIAR are recorded via an online service called Altmetric. Altmetric scores are automatically recorded for all publications, including journal articles, manuals, briefs, reports, and working papers, which either have a DOI or are recorded in a subscribed repository (there are currently three subscribed repositories in CGIAR: CGSpace, IFPRI, and CIFOR). The advantage of altmetrics is that they provide a means to show the reach and influence of the many non-peer reviewed publications of CGIAR, that can balance reporting on peer-reviewed papers.[68]

Note that Altmetric scores were only recorded for seven CRPs in 2018. Moreover, there is likely to be significant under-reporting for three main reasons: a) many publications record only the author affiliation of the Center, not the CGIAR Research Program; b) many publications are not yet archived in repositories (it is hoped that the reporting of altmetrics data will improve this; c) some publications are shared using the wrong links (Altmetric tracks DOIs and repository handle links only). The following list therefore should be seen only as an example, and not representative of CGIAR as a whole.

The colorful Altmetric 'donut' image conveys the different sources of 'attention' received by a publication (for example in the news media, social media, and policy sources) as explained here.

Finally, all Altmetric scores and images recorded here date from July 2018 (which means that publications which came out late in 2017 are at a comparative disadvantage, since they had less time to accumulate attention). However, the current Altmetric score can be found via the links provided under Attention Score. Please note: occasionally, scores will drop as links are broken and Altmetric data is refreshed.

CGIAR EXAMPLES FROM 2017

Imbach, Pablo, Emily Fung, Lee Hannah, Carlos E. Navarro-Racines, David W. Roubik, Taylor H. Ricketts, Celia A. Harvey, Camila I. Donatti, Peter Läderach, Bruno Locatelli, and Patrick R. Roehrdanz. **Coupling of Pollination Services and Coffee Suitability under Climate Change**. *Proceedings of the National Academy of Sciences* 114, no. 39 (September 26, 2017): 10438–42. https://doi.org/10.1073/pnas.1617940114.

This publication obtained the highest Altmetric score of reporting CRPs for 2017, including the highest number of news mentions. It was cited in 132 news stories from 103 news outlets, including Business Insider, Newsweek, Huffington Post, Wired UK, National Public Radio (NPR), and many other sources globally. It received 213 tweets from 178 users, with an upper bound of 787,041 followers; was cited in 13 posts from 12 blogs; and was mentioned in 17 public wall posts from 15 Facebook users. It received an overall Altmetric Attention Score of 1022. This article finds that climate change will reduce coffee-suitable areas by 73–88% by 2050. It is a collaborative work between CCAFS and FTA, CIAT, CIFOR and the French Agricultural Research Centre for International Development (CIRAD).

[68] One caveat is that the Altmetric scores are still fed mainly by media and social media from the Global North, but this is constantly improving.

Gill, David A., Michael B. Mascia, Gabby N. Ahmadia, Louise Glew, Sarah E. Lester, Megan Barnes, Ian Craigie, Emily S. Darling, Christopher M. Free, Jonas Geldmann, Susie Holst, Olaf P. Jensen, Alan T. White, Xavier Basurto, Lauren Coad, Ruth D. Gates, Greg Guannel, Peter J. Mumby, Hannah Thomas, Sarah Whitmee, Stephen Woodley and Helen E. Fox. **Capacity Shortfalls Hinder the Performance of Marine Protected Areas Globally**. *Nature* 543, no. 7647 (March 2017): 665–69. https://doi.org/10.1038/nature21708.

With a total Altmetric Attention Score of 660, this article received the highest number of Tweets for 2017: 1028 tweets from 776 users, with an upper bound of 4,147,605 followers. This paper exposes how shortages in staffing and funding prevents marine protected areas from realizing their full potential. Notable news source mentions include National Geographic and Popular Science. CIFOR research consultant Lauren Coad participated in the data compilation and analysis for this paper, with the support of FTA.

Herricks, Jennifer R., Peter J. Hotez, Valentine Wanga, Luc E. Coffeng, Juanita A. Haagsma, María-Gloria Basáñez, Geoffrey Buckle, Christine M. Budke, Hélène Carabin, Eric M. Fèvre, Thomas Fürst, Yara A. Halasa, Charles H. King, Michele E. Murdoch, Kapa D. Ramaiah, Donald S. Shepard, Wilma A. Stolk, Eduardo A. Undurraga, Jeffrey D. Stanaway, Mohsen Naghavi , Christopher J. L. Murray. **The Global Burden of Disease Study 2013: What Does It Mean for the NTDs?** *PLOS Neglected Tropical Diseases* 11, no. 8 (August 3, 2017): e0005424. https://doi.org/10.1371/journal.pntd.0005424.

This paper by Herricks, J. R. et al reflects the importance of A4NH work on health and disease. Altmetric reported an overall Attention Score of 224. It was cited in two World Health Organization policy documents, and received notable interest on social media, including 377 tweets from 335 users, with an upper bound of 840,811 followers. This article was co-authored by Eric Fèvre, a professor of veterinary infectious diseases based at ILRI, with support from A4NH.

Griscom, Bronson W., Justin Adams, Peter W. Ellis, Richard A. Houghton, Guy Lomax, Daniela A. Miteva, William H. Schlesinger, David Shoch, Juha V. Siikamäki, Pete Smith, Peter Woodbury, Chris Zganjar, Allen Blackman, João Campari, Richard T. Conant, Christopher Delgado, Patricia Elias, Trisha Gopalakrishna, Marisa R. Hamsik, Mario Herrero, Joseph Kiesecker, Emily Landis, Lars Laestadius, Sara M. Leavitt, Susan Minnemeyer, Stephen Polasky, Peter Potapov, Francis E. Putz, Jonathan Sanderman, Marcel Silvius, Eva Wollenberg, and Joseph Fargione. **Natural Climate Solutions**. *Proceedings of the National Academy of Sciences* 114, no. 44 (October 31, 2017): 11645–50. https://doi.org/10.1073/pnas.1710465114.

This paper received the greatest number of Mendeley saves (458 readers) and the greatest number of blog citations (23 blog posts). It received an Altmetric Attention Score of 875. This paper shows how natural climate solutions can offer a powerful set of options for nations to deliver on the Paris Climate Agreement. It received 924 tweets from 787 users, with an upper bound of 3,100,580 followers. Attention is well spread geographically and across social media forms. Notable news sources (40 news stories from 23 different news outlets) include Newsweek, BBC News, The Guardian, Japan Times, and El Pais. Eva Wollenberg, Flagship Leader for Low Emissions Agricultural Development with CCAFS, participated as a co-author.

Kosec, Katrina, and Cecilia Hyunjung Mo. **Aspirations and the Role of Social Protection: Evidence from a Natural Disaster in Rural Pakistan**. *World Development* 97 (September 1, 2017): 49–66. https://doi.org/10.1016/j.worlddev.2017.03.039.

This article received an overall Altmetric Attention Score of 366. It was picked up by 40 news outlets, largely in the US, including The Washington Post and multiple stations of National Public Radio (NPR). Attention to the study was triggered by Harvey, the first major hurricane of the extremely active 2017 Atlantic hurricane season. Using evidence from Pakistan, this article shows that government social protection programs (such as cash transfers) can significantly blunt negative impacts of natural disasters on people's aspirations. This article was co-authored by Katria Kosec, a Senior Research Fellow at IFPRI, with support from PIM.

Murcia, C., M. R. Guariguata, E. Quintero-Vallejo, and W. Ramirez. **La restauración ecológica en el marco de las compensaciones por pérdida de biodiversidad en Colombia: Un análisis crítico**. CIFOR Occasional Paper. Center for International Forestry Research (CIFOR), Bogor, Indonesia, 2017. https://doi.org/10.17528/cifor/006611.

This publication received the most attention for an Occasional Paper. It received an Altmetric Attention Score of 78. This paper received 108 Tweets from 78 users with an upper bound of 252,330 followers. It was also mentioned in 7 Facebook posts and was cited in four posts by two blogs. It provides recommendations to strengthen legal and institutional frameworks to safeguard against biodiversity loss and promote ecological restoration. With support from FTA.

Dinesh, Dhanush, Bruce M. Campbell, Osana Bonilla-Findji, and Meryl Richards. **10 Best Bet Innovations for Adaptation in Agriculture: A Supplement to the UNFCCC NAP Technical Guidelines**. Working Paper. Wageningen, The Netherlands: CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS), November 2, 2017. http://hdl.handle.net/10568/89192.

This publication received the highest attention score for a Working Paper. It received an Altmetric Attention Score of 48. This paper aims to support countries in the elaboration of their National Adaptation Plans by tapping into agricultural research for development conducted by CGIAR Centers and research programs. It was Tweeted 58 times by 49 users, with an upper bound of 174,225 followers. Tweets cames from users in the United Kingdom, Nigeria, Ghana, Canada, Indonesia, the Netherlands, Mexico, Australia, and Sweden. Published by CCAFS.

Dione, Michel M., Noelina Nantima, L. Mayega, Winfred C. Amia, Barbara Wieland, and E. A. Ouma. **Enhancing Biosecurity along Uganda's Pig Value Chains to Control and Prevent African Swine Fever**. Livestock Brief. Nairobi, Kenya: International Livestock Research Institute (ILRI), July 2017. http://hdl.handle.net/10568/82665.

This publication scored impressively for a policy brief. It received an Altmetric Attention Score of 18. It was Tweeted 32 times by 17 users, was mentioned in two Facebook posts, and was cited in one blog post. Published by Livestock.

CRP Altmetric scores can be explored further in Altmetric reported for CGIAR Publications in 2017.