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NSF Diversity and Inclusion in the Geosciences Workshop

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Workshop overview



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Steps to overcome the North–South divide in research relevant to climate change policy and practice

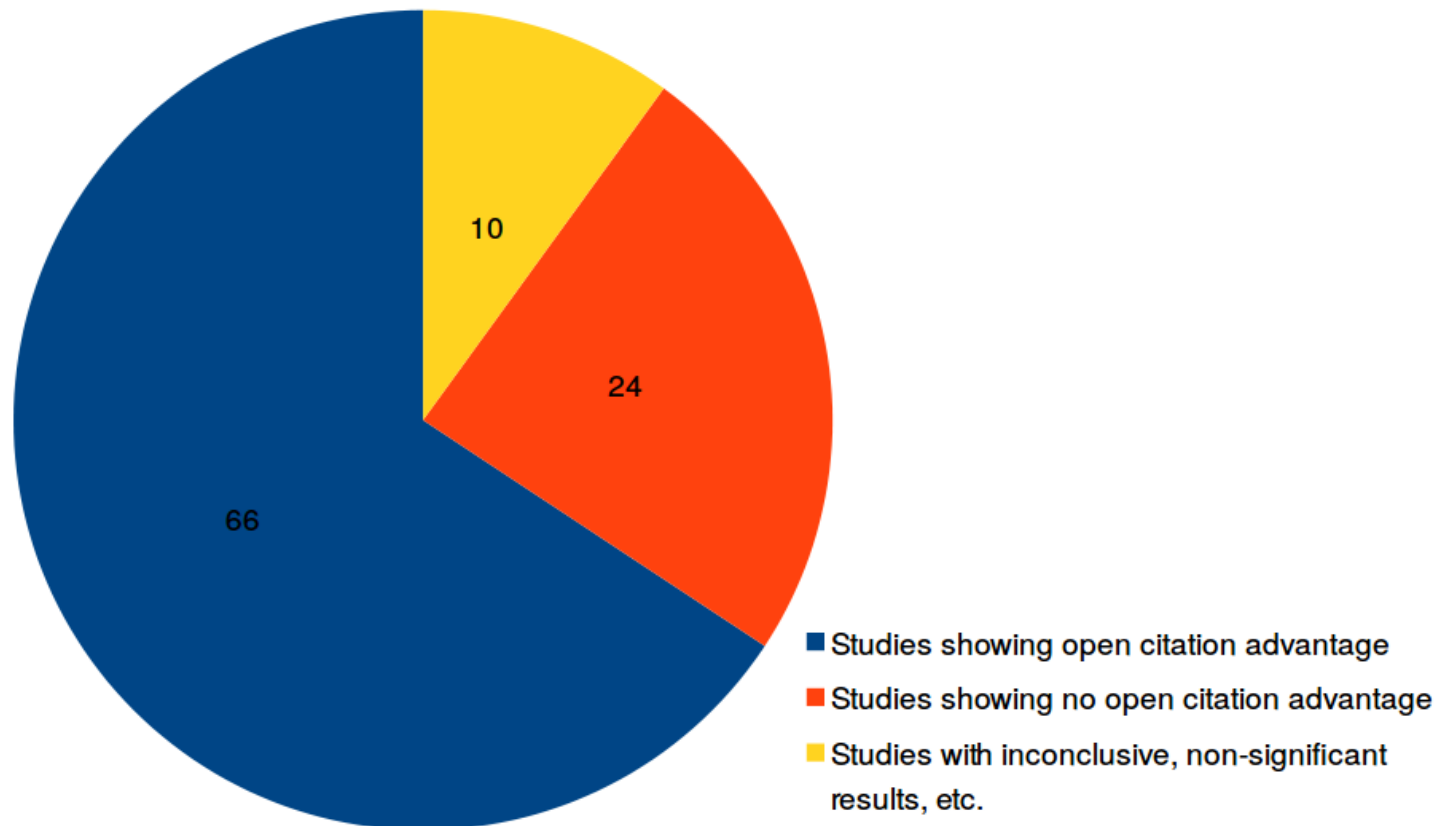
Malgorzata Blicharska^{1,2†}, Richard J. Smithers^{3†}, Magdalena Kuchler¹, Ganesh K. Agrawal⁴, José M. Gutiérrez⁵, Ahmed Hassanali⁶, Saleemul Huq⁷, Silvia H. Koller⁸, Sugata Marjit⁹, Hassan M. Mshinda¹⁰, Hj Hassan Masjuki¹¹, Noel W. Solomons¹², Johannes Van Staden¹³ and Grzegorz Mikusiński^{14*}

A global North–South divide in research, and its negative consequences, has been highlighted in various scientific disciplines. Northern domination of science relevant to climate change policy and practice, and limited research led by Southern researchers

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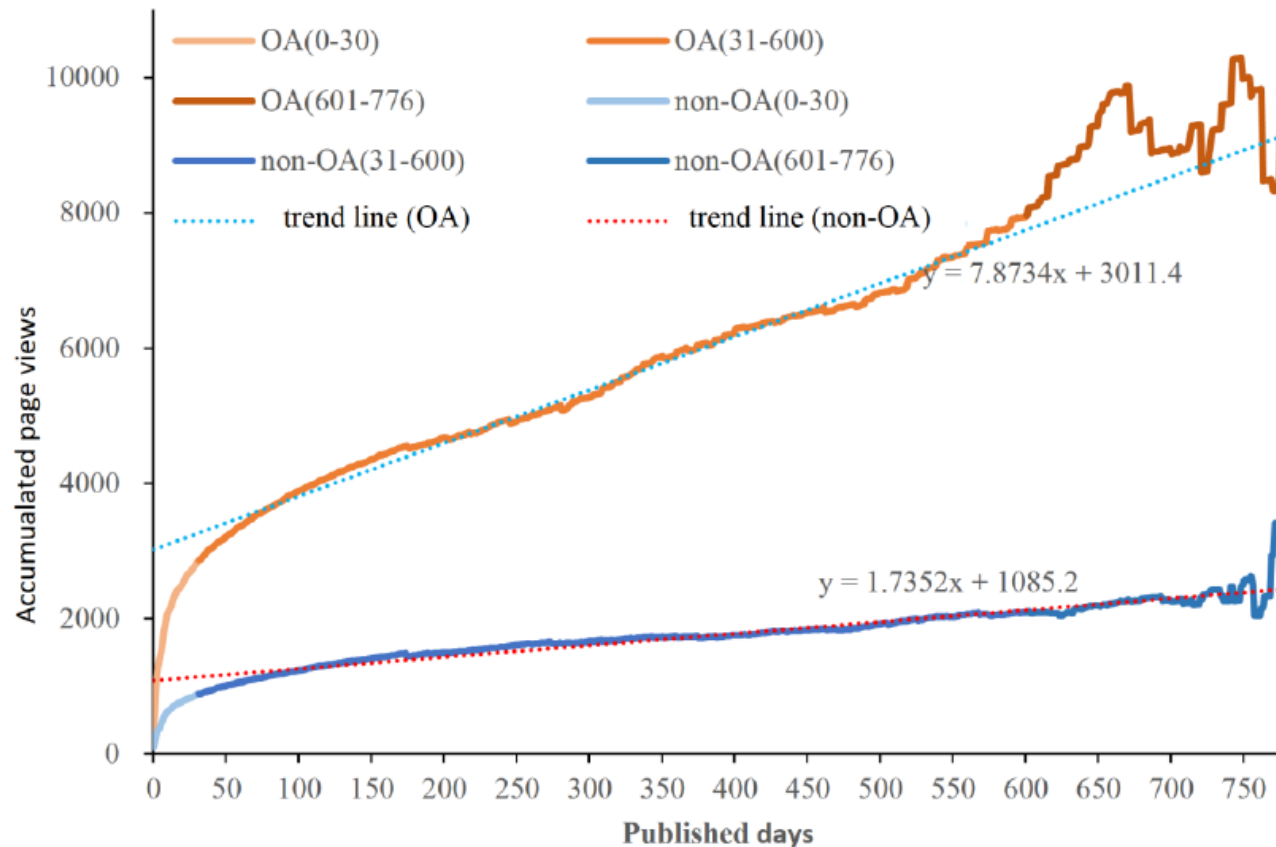


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2
3Author: Kimberly A. Hannula, Department of Geosciences, Fort Lewis College
4
5Article type: Research
6
7Corresponding author: Kimberly Hannula, Department of Geosciences, Fort
8Lewis College, 1000 Rim Drive, Durango, CO 81301,
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RASP 4: ancestral state reconstruction tool for multiple genes and characters

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Abstract: With the continual progress of sequencing techniques, genome-scale data are increasingly used in phylogenetic studies. With more data from throughout the genome, the relationship between genes and different kinds of characters is receiving more attention. Here, we present version 4 of RASP, a software to reconstruct ancestral states through phylogenetic trees. RASP can apply generalized statistical ancestral reconstruction methods to phylogenies, explore the phylogenetic signal of characters to particular trees, calculate distances between

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