Supporting Information for

Not Enough: Efforts to Diversify Biogeosciences Benefit Limited Segment of Society

Rebecca T. Barnes[1], Michelle A. Wolford[2], Maya Almaraz[3], and Emily L Cardarelli[4]

[1]The Belmont Forum, Montevideo, Uruguay

[2] University of Alabama, Department of Biological Sciences, Tuscaloosa, Alabama, USA

[3] Princeton University, High Meadows Environmental Institute, Princeton, New Jersey, USA.

[4]Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, USA
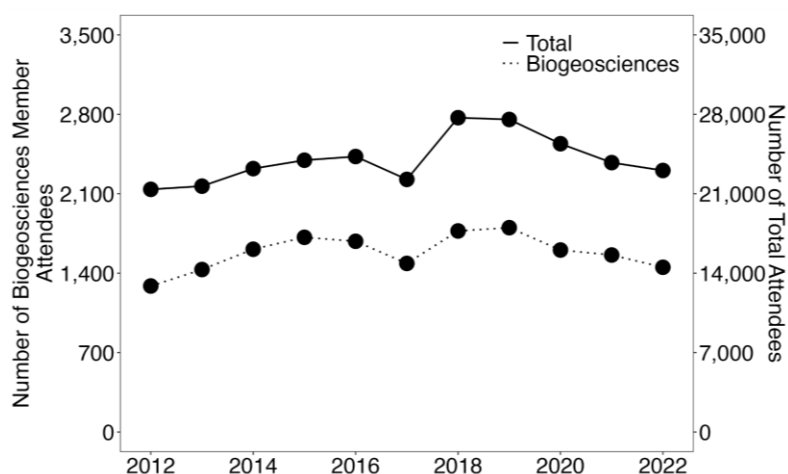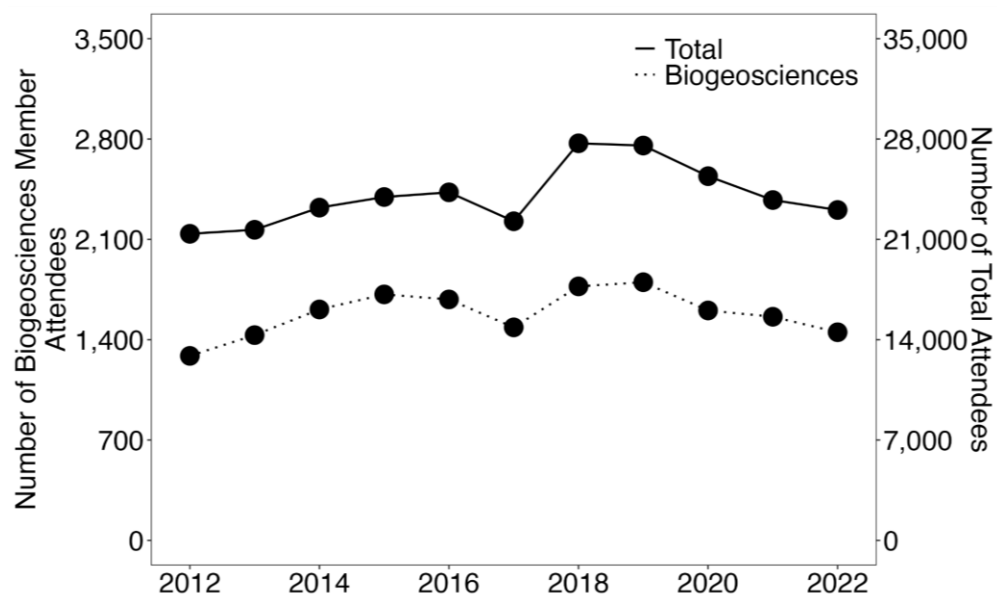
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Introduction

The following supplemental figures and tables provide summary information of data from the American Geophysical Union's membership, Fall Meeting attendance and publishing process for two biogeosciences focused journals: *JGR-B* and *GBC*.

Figure S1. The total number of AGU members across all sections (right-hand y-axis, solid line) and the number of Biogeoscience section members (left hand y-axis, dotted line) have both remained fairly steady until the drop in 2020, likely due to the COVID-19 pandemic. Over this five year period, Biogeoscience members made up approximately 12-14% of the society's membership.

Figure S2. The number of AGU Biogeosciences Section members (dotted line, left-hand y-axis) and total number (solid line, right-hand y-axis) who attend the annual AGU Fall Meeting from 2012 to 2022. Annually, Biogeosciences Section members make up between 12.5% and 14% of attendees.

Race & Ethnicity Categories used by AGU
Asian or Asian American
Black, African, African-American or Afro-Caribbean
Hispanic, Latinx, Latino, Latina or Spanish Origin
Indigenous Peoples
Middle Eastern or North African
Mixed
Native Hawaiian or Other Pacific Islander
Native of Indian subcontinent
White, Euro-American, or European
Unknown

Table S1. Race and Ethnicity options provided American Geophysical Union members. Geoscientists opt-in to providing this demographic information. The "unknown" category includes both geoscientists who choose "other" when answering the questions and those who choose to not answer entirely.

First author age	First author gender	Acceptance rate
20	Man	50.73%
20	Woman	55.66%
30	Man	57.39%
30	Woman	60.14%
40	Man	54.78%
40	Woman	57.56%
50	Man	56.38%
50	Woman	58.33%
60	Man	59.57%
60	Woman	45.45%
70	Man	47.62%
70	Woman	33.33%

Table S2. Summary data of manuscript acceptance rate by first-author gender and age. Approximately, X% of first authors provided gender and age information, respectively. While non-binary geoscientists are first authors of submitted manuscripts, summary data cannot be provided to maintain confidentiality.

Reviewer race	Reviewer gender	Proportion of reviewers suggested
Asian or Asian American	Man	7.2%
Asian or Asian American	Woman	2.3%
Black, African, African-American or Afro-Caribbean	Man	<1%
Black, African, African-American or Afro-Caribbean	Woman	<1%
Hispanic, Latinx, Latino, Latina or Spanish Origin	Man	2.2%
Hispanic, Latinx, Latino, Latina or Spanish Origin	Woman	1.3%
Indigenous Peoples	Man	<1%
Indigenous Peoples	Woman	<1%
Middle Eastern or North African	Man	<1%
Middle Eastern or North African	Woman	<1%
Mixed	Man	<1%
Mixed	Woman	<1%
Native of Indian subcontinent	Man	<1%
Native of Indian subcontinent	Woman	<1%
White, Euro-American, or European	Man	55.6%
White, Euro-American, or European	Non-Binary or Genderqueer	<1%
White, Euro-American, or European	Woman	29.2%

Table S3. The proportion of invited reviewers over 2012-2021 to *JGR-B* and *GBC* by race or ethnicity and gender. Percentages provided are out of all reviewers invited, therefore given the large proportion of unknown data proportions do not add to 100%. Many of the intersectional identities listed were represented by only a few geoscientists and thus precise proportions are not given to maintain confidentiality.

Reviewer age	Reviewer gender	Proportion of reviewers suggested
20	Man	1.24%
20	Woman	1.26%
30	Man	17.23%
30	Woman	11.87%
40	Man	21.97%
40	Woman	10.89%
50	Man	16.97%
50	Woman	4.56%
60	Man	9.68%
60	Woman	1.79%
70	Man	2.07%
70	Woman	<1%
80	Man	<1%
80	Woman	<1%

Table S4. The proportion of invited reviewers over 2012-2021 to *JGR-B* and *GBC* by age and gender.

Reviewer Gender	Reviewer Rating	Proportion of Reviews
Man	Accept	3.3%
Man	Major Revision	33.9%
Man	Minor Revision	35%
Man	Reject	25.1%
Woman	Accept	2.4%
Woman	Major Revision	34.5%
Woman	Minor Revision	37%
Woman	Reject	23.4%
Unknown	Accept	4.9%
Unknown	Major Revision	35.6%
Unknown	Minor Revision	37.1%
Unknown	Reject	19.7%

Table S5. Decision outcomes by gender of reviewer for manuscripts submitted to *JGR-B* and *GBC* from 2012-2021.