

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Advancing a Systems Approach to
Studying the Earth:
A Strategy for the National Science
Foundation**



Workshop on Education and Workforce for Earth Systems Science

Framing Session

Public Agenda

Friday November 13, 2020

Start time: 11am ET / 10am CT / 9am MT / 8am PT

End time: 2pm ET / 1pm CT / 12pm MT / 11am PT

11:00 - 11:20 am ET	Welcome and Purpose for the Workshop <i>Ruth DeFries, Columbia University, Committee Co-Chair</i> <i>Kristen St. John, James Madison University, Committee Member</i> <i>Melissa Burt, Colorado State University, Committee Member</i>
11:20 - 11:45 am ET	Speaker: DEI Issues in the Earth Systems Workforce to Better Serve Earth and Its People Q&A and Discussion <i>Raj Pandya, Thriving Earth Exchange</i>
11:45 am - 12:30 pm ET	Panel: Creating Earth Systems Sciences Learning and Working Environments for All Moderator: <i>Asmeret Asefaw Berhe, University of California, Merced, Committee Member</i> <i>Diana Dalbotten, University of Minnesota</i> <i>Anita Stone Marshall, University of Florida</i> <i>Kaatje Kraft, Whatcom Community College</i> <i>Lisa White, University of California</i> <i>Reginald Archer, Tennessee State University</i> Key questions/points to be addressed: <ul style="list-style-type: none">• <i>How could the vision for Earth system science increase diversity and inclusion in the future workforce?</i>• <i>How can we create welcoming environments that support a sense of belonging by people of diverse backgrounds?</i>
12:30 - 1:00 pm ET	BREAK

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1:00 - 1:10 pm ET	<p>Speaker: Statistics and Data on the Geoscience Workforce</p> <p><i>Sharon Mosher, University of Texas at Austin</i></p>
1:10 - 1:50 pm ET	<p>Panel: Thinking about the Future of Earth Systems Science Education and Training</p> <p>Moderator: <i>Fiamma Straneo, Scripps Institution of Oceanography, Committee Member</i></p> <p><i>Kim Kastens, Lamont Doherty</i> <i>Anne Egger, Central Washington University</i> <i>Brandon Jones, National Science Foundation</i> <i>Wendy Smythe, University of Minnesota</i> <i>Cynthia Hall, West Chester University</i></p> <p>Key questions/points to be addressed:</p> <ul style="list-style-type: none"> • <i>Increasing relevance and experiential learning while teaching content knowledge and skills</i> • <i>How do people learn?</i> • <i>What are the resources and how/why to apply them?</i>
1:50 - 2:00 pm ET	Wrap Up and Closing Remarks