

**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**

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

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1:00 - 1:10 pm ET	<b>Speaker: Statistics and Data on the Geoscience Workforce</b> <i>Sharon Mosher, University of Texas at Austin</i>
1:10 - 1:50 pm ET	<b>Panel: Thinking about the Future of Earth Systems Science Education and Training</b> Moderator: <i>Fiamma Straneo, Scripps Institution of Oceanography, Committee Member</i>  <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>  Key questions/points to be addressed: <ul style="list-style-type: none"><li>• <i>Increasing relevance and experiential learning while teaching content knowledge and skills</i></li><li>• <i>How do people learn?</i></li><li>• <i>What are the resources and how/why to apply them?</i></li></ul>
1:50 - 2:00 pm ET	<b>Wrap Up and Closing Remarks</b>