



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

Second Workshop on Education and Workforce

Friday, April 16, 2021, 11:00am - 2:00pm ET

Public Agenda

The National Academies of Sciences, Engineering, and Medicine committee on “[*Advancing a Systems Approach to Studying the Earth: A Strategy for the National Science Foundation*](#)” has been tasked to develop a compelling vision for a systems approach to studying the Earth in order to inform approaches to integrated research at NSF and to provide guidance as to how NSF can support the research community. The final report will also identify the facilities, infrastructure, coordinating mechanisms, computing, and workforce development needed to support a more integrated approach for studying components of the earth system. This workshop will bring together NSF and other program leaders and scholars to discuss their education and workforce development goals, theories of change, approaches to preparing a more equitable Earth systems science workforce, and partnerships/collaborations that have been successful in bridging disciplines.

Recording of the Education and Workforce Framing Session can be found here:

<https://www.nationalacademies.org/event/11-13-2020/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>.

11:00 AM Opening Remarks

Ruth DeFries, Columbia University, Committee Co-Chair

11:10 AM PANEL 1: Addressing Systemic Issues in Education and Workforce Development for Earth System Science

Moderator: Melissa Burt, Colorado State University, Committee Member

- Erika Marín-Spiotta, University of Wisconsin-Madison
- Marissa Vara and Brandon Jones, NSF
- Sharon Mosher, University of Texas-Austin

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12:25 PM *Break*

12:35 PM **PANEL 2: Highlighting Programs that Support Earth System Sciences Education and Workforce Development**

Moderator: Kristen St. John, James Madison University, Committee Member

- Maria Uhle, NSF (Belmont Forum)
- Clair Hemingway, NSF (Navigating the New Arctic)
- Lindsay Worthington, University of New Mexico (Scientific Exploration of the Arctic and North Pacific)
- Brandi Schottel, NSF (Sustainable Regional Systems Research Networks)

1:45 PM **Concluding Remarks**

Travis York, American Association for the Advancement of Science

2:00 PM **Adjourn**