

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Roundtable on Science and Technology for Sustainability
February 27-28, 2020

National Academy of Sciences
Room 125
2101 Constitution Ave NW
Washington, DC

Thursday, February 27, 2020

- 9:00 am **Welcome, Introductions and Meeting Goals**
David Dzombak (NAE), Carnegie Mellon University, STS Roundtable Co-Chair
Franklin Carrero-Martínez, The National Academies of Sciences, Engineering, and Medicine
- 9:30 am **Review of July 2019 Meeting and Overarching Criteria for Strategic Planning**
David Dzombak (NAE) and Franklin Carrero-Martínez
- 9:45 am **Sustainability across the National Academies: Current Projects**
- 2020 Nobel Prize Summit (Anna Sjöström Douagi, The Nobel Foundation) (scheduled for April 29-May 1, 2020)
 - [Strengthening Sustainability Programs and Curricula at the Undergraduate and Graduate Levels](#) (Lida Beninson, Board on Higher Education and Workforce)
 - [Sustainability Partnerships in the U.S.– Mexico Drylands Region: A Binational Consensus Study](#) (Jordyn White, Division of Behavioral and Social Sciences and Education)
 - [Accelerating Decarbonization in the United States: Technology, Policy, and Societal Dimensions](#) (John Holmes, Board on Energy and Environmental Systems)
- 10:45 am BREAK
- 11:00 am **Sustainability across the National Academies: Projects under Development**
- National Academies Transportation Research Board (Bill Anderson, Transportation Research Board)
 - Advancing a Systems Approach to Studying the Earth: A Strategy for the National Science Foundation (William Easterling, National Science Foundation)
 - Capacity Building and the Sustainable Development Goals (William Colglazier, American Association for the Advancement of Science)
 - Estimating the Costs and Benefits of Environmental Regulation (William Colglazier, AAAS)
 - Engaging Industry in Trust in Science (Cyrus Wadia, Amazon)
 - [Day One Project](#) (Ali Nouri, Federation of American Scientists and New Voices in Sciences, Engineering and Medicine)
- 12:45 pm LUNCH

Rethinking Cities for Sustainable Development

- 1:45 pm **Introductions**
David Dzombak (NAE) and Franklin Carrero-Martínez
- 1:50 pm **Advancing Urban Sustainability in China and the U.S.** (workshop held December 16)
Frances Colón, Jasperi Consulting
- 2:05 pm **An Overview of InterAcademy Partnership**
Teresa Stoepler, The InterAcademy Partnership/National Academies of Sciences, Engineering, and Medicine
- 2:20 pm **Rethinking Cities for Sustainable Development: A Project Overview**
Cherry Murray (NAS/NAE), University of Arizona/The InterAcademy Partnership
- 2:50 pm **Urban Sustainability in Jamaica**
Anthony Clayton, University of the West Indies (teleconference)
- 3:15 pm BREAK
- 3:30 pm **Roundtable Discussion**
- 4:20 pm **Report Back from Breakout Groups**
Session Moderators
- 4:35 pm **Future Directions**
All Members
- 4:50 pm **Wrap-Up and Concluding Remarks**
David Dzombak (NAE), Roundtable Co-chair
- 5:00 pm **Adjourn**
- 6:00 pm **Working Dinner**
Location: RIS (2275 L St NW, Washington, DC 20037; <https://www.risdc.com>)
Speaker: Kara Hurst, Amazon

Friday, February 28, 2020

- 9:00 am **Welcome and Feedback from Previous Day**
David Dzombak (NAE), STS Roundtable Co-Chair

Communicating about Ocean and Coastal Sustainability with Young People

- 9:10 am **Introductions**
Susan Roberts, The National Academies of Sciences, Engineering, and Medicine
Franklin Carrero-Martínez, The National Academies of Sciences, Engineering, and Medicine
- 9:15 am **Tackling Marine Litter and Microplastics**
Jacqueline McGlade, University College London (teleconference)

9:25 am	Overview on the United Nations Decade of Ocean Science for Sustainable Development Arthur Paterson, National Oceanic and Atmospheric Administration
9:50 am	Science Communication and Creative Engagement Ann Merchant, National Academies of Sciences, Engineering, and Medicine
10:10 am	Communicating about Ocean and Coastal Sustainability • Laura Petes, National Oceanic and Atmospheric Administration • Ariana Sutton-Grier, University of Maryland • Stacy Baez, The Pew Charitable Trusts
11:10 am	Future Needs and Opportunities All Members
11:20 am	BREAK
11:30 am	Brainstorming about Summer 2020 Roundtable Activities All Members
12:15 pm	Longer Term Roundtable Planning David Dzombak (NAE), Roundtable Co-chair
12:30 pm	Wrap up David Dzombak (NAE), Roundtable Co-chair
12:45 pm	Adjourn