

MINERAL AND ENERGY RESOURCE ISSUES FOR THE COMING DECADE

CER

AGENDA

COMMITTEE ON EARTH RESOURCES
BOARD ON EARTH SCIENCES AND RESOURCES

National Academy of Sciences Building
2101 Constitution Ave NW, Washington, DC 20001

NOVEMBER 14-15, 2016

[**REGISTER TO ATTEND**](#)

Objective:

The Autumn meeting of the Committee on Earth Resources will provide a forum for discussion of pressing mineral and energy resource issues and key scientific and technical challenges for the coming decade. The meeting will include an update of existing work under the committee's and Academies' oversight in this area, will advance the conversation about collection, access, and management of subsurface data, and will highlight the topics of interest within mineral and energy resources within the energy and mineral resource community.

The morning of day one will include a public session with presentations and discussion to better understand subsurface data access for research. The afternoon will focus on cataloging a broad set of energy and mineral challenges/issues in which scientific and technical analysis would advance policy development. Topics may include abandoned mine lands; science and technology for resource characterization, production, and monitoring; legacy environmental issues for the extractive industries, geothermal energy, and workforce and education challenges and opportunities for the energy and mineral sectors.

DAY 1

Monday, November 14, 2016
NAS 120

0800-0845
0845-0900

Closed Breakfast Business Meeting – Committee and Staff Only
Doors open, registration

900-1200

MORNING SESSION – PUBLIC

0900-0910
0910-1015

Welcome and Introductions
Update - Existing Committee and Related Projects

Jim Slutz, Chair

- Studies
 - Coal Mine Dust
 - Surface coal mine
 - Methane
 - Carbon dioxide removal
- Roundtable

Ray Wassel, Academies staff
Elizabeth Eide, Academies staff
Katie Thomas, Academies staff
Amanda Staudt, Academies staff
Elizabeth Eide

1015-1030

Break

1030-1200

Panel Discussion: Data in the subsurface: Challenges to collect, manage, and access subsurface data for research on the behavior of rocks and fluids

- Doug Hollett, U.S. Department of Energy
- Rex Buchanan, Kansas State Geological Survey
- Wendy Harrison, Colorado School of Mines
- Hal Macartney, Pioneer Natural Resources

Moderated by David Spears, Member of the Committee on Earth Resources

1200-1300

Lunchtime Keynote

- Future Issues in Mineral and Energy Resources – Murray Hitzman, U.S. Geological Survey

1300-1530

AFTERNOON SESSION – PUBLIC

Future Earth Resource Challenges

1300-1430

Panel Discussion

- What are the key scientific and technical challenges and opportunities in mineral and energy resources for the coming decade?
 - Mineral, energy, workforce issues – Allyson Anderson Book, American Geosciences Institute
 - Fossil energy – Grant Bromhal, National Energy Technology Laboratory
 - Geothermal energy – Timothy Reinhardt, U.S. Department of Energy Geothermal Technologies Office
 - Mining engineering, safety, and health -- NIOSH (invited)

Moderated by Arthur Ray, Member of the Committee on Earth Resources

1430-1530

Facilitated Discussion

- Framing Issues offered by Committee and Audience
- General Discussion

End of Open Session