

Biological and Environmental Research Advisory Committee (BERAC)

Spring Meeting

April 20-21, 2023

Bethesda North Marriott Hotel & Conference Center

5701 Marinelli Rd, Rockville, MD 20852

In-person attendance: BERAC, Invited Speakers, DOE

Virtual attendance: Public

AGENDA

[Eastern Daylight Time]

Please visit website for registration and internet address for the meeting:

<https://science.osti.gov/ber/berac/Meetings>

Thursday, April 20, 2023

- 8:15 – 9:00 Ethics Briefing [BERAC members only]
- 9:00 – 11:00 Introduction and BERAC Roundtable – Dr. Bruce Hungate, BERAC Chair
- 11:00 – 11:30 DOE Introductory Remarks – Dr. Asmeret Berhe, DOE Office of Science, Director
- 11:30 – 12:00 News from BER – Dr. Gary Geernaert, Acting Associate Director
- 12:00 – 1:30 Lunch
- 1:30 – 2:00 Update on EESSD – Dr. Sally McFarlane, Acting Division Director
- 2:00 – 2:30 Update on BSSD – Dr. Todd Anderson, Division Director
- 2:30 – 2:50 USGCRP Decadal 2022-2031 Strategic Plan – Dr. Mike Kuperberg, Director (USGCRP)
- 2:50 – 3:20 National Nature Assessment – Dr. Mike Kuperberg, Director (USGCRP)
- 3:20 – 3:35 BREAK
- 3:35 – 3:55 Energy Earth Shot Initiative – Ms. Devinn Lambert (Deputy Director of Science and Energy Crosscuts)
- 3:55 – 4:15 Urban Integrated Field Laboratories – Dr. Jennifer Arrigo (DOE BER)
- 4:15 – 4:35 Workshop Briefing: Artificial Intelligence/Machine Learning (AI/ML) for BioEnergy Research (AMBER) – Dr. Huimin Zhao (UIUC)
- 4:35 – 5:30 Discussion – Dr. Bruce Hungate, BERAC Chair
- 5:30 *Adjourn*

Friday, April 21, 2023

- 8:30 – 9:00 BERAC Subcommittee on Data Unification Framework: Update –
Dr. Kerstin Kleese van Dam (BNL)
- 9:00 – 9:30 DOE SC Integrated Research Infrastructure – Dr. Ben Brown (DOE ASCR)
- 9:30 – 10:30 BER Data Activities: KBase, NMDC, ESS-DIVE, ESGF – Dr. Adam Arkin (LBNL), Dr. Emiley
Eloe-Fadrosh (LBNL), Mr. Shreyas Cholia (LBNL), Dr. Forrest Hoffman (ORNL)
- 10:30 – 11:15 BER User Facility Data Activities: ARM, JGI, EMSL – Mr. Giri Prakash (ORNL), Dr. Kjersten
Fagnan (LBNL), Dr. Ratna Saripalli (PNNL)
- 11:15 – 12:00 Discussion – Dr. Bruce Hungate, BERAC Chair
- 12:00 – 12:15 Public Comments
- 12:15 *Adjourn*