

# Bioeconomy Initiative Forum

*A Bioeconomy Initiative event*

*organized by*

*the Biomass Research & Development Board*

*September 16, 2020*



# Review of yesterday's programming



# Bioeconomy at Scale Opening Reception, Sept 15<sup>th</sup>



**Scott Hutchins**

Co-Chair of the Biomass R&D Board; Deputy Under Secretary for the Research, Education, and Economics, USDA

**Bill Hohenstein**



Director, Office of Energy and Environmental Policy, USDA



**Michael Berube**

Acting Deputy Assistant Secretary for Transportation, U.S. Department of Energy (DOE)

**Mark Brodziski**



Deputy Administrator, Rural Business-Cooperative Service, Rural Development, USDA

# Bioeconomy Initiative Forum Agenda – September 15

## Mitigating Risks and Barriers Panel

Mitigating risks, through techno-economic and risk assessments, is a key priority of the Bioeconomy Initiative. This panel will explore how understanding and quantifying technology uncertainties and financial risks is pivotal to the success of the bioeconomy.

**Moderator:** Mark Elless, Technology Manager, Bioenergy Technologies Office (BETO), U.S. Department of Energy (DOE)

### Panelists

- Jordan Solomon, Ecostrat
- Tim Volk, State University of New York College of Environmental Science and Forestry
- Chris Clark, U.S. Environmental Protection Agency (EPA)



# Bioeconomy Initiative Forum Agenda – September 15

## Metrics and Indicators Panel

*As the bioeconomy evolves, it is critical to stay at the cutting edge of understanding and assessing potential environmental, social, and economic effects of various technologies and bioeconomy scenarios. This panel will focus on developing a catalogue of key metrics and indicators, as well as methods and guidance to support their application, to help identify best practices and maximize the benefits of the bioeconomy, while mitigating impacts.*

**Moderator:** Brian Heninger Economist, EPA

### Panelists:

- Esther Parish, Oak Ridge National Laboratory
- Jeremy Guest, University of Illinois
- Rolf Hogan, Roundtable on Sustainable Biomaterials



# Bioeconomy Initiative Forum

## Sept 16<sup>th</sup>

### **Technological Breakthroughs that Underpin the Bioeconomy**

#### **Opening Reception Board Member Q&A**

1 p.m.– 1:45 p.m.

Opportunity for board members to describe their agency's involvement with the bioeconomy and for participants to ask questions.

#### **Innovation and Technology Development Panel**

1:45 p.m.– 2:30 p.m.

Performing innovative research and developing enabling platforms and applications is a critical factor to drive an innovation-based bioeconomy. This panel will highlight new advancements in basic and applied research across the bioenergy and bioproduct supply chain.

#### **Stakeholder Engagement and Technology Transfer Panel**

2:30 p.m.– 3:15 p.m.

Strategic, sustained stakeholder engagement is essential to growing the bioeconomy to effectively reduce technology uncertainties and improve supply chain performance. Federal agencies, in collaboration with universities, industry, stakeholders, and non-governmental organizations, will need to build strong partnerships for technology transfer to the bioeconomy industry.

#### **Closing Remarks**

3:15 p.m.– 3:20 p.m.

Devinn Lambert, Operations Committee Liaison for the Biomass R&D Board;  
BETO, DOE

# *Technological Breakthroughs that Underpin the Bioeconomy, Sept 16*

Valerie Sarisky-Reed, Moderator



Deputy Director, Bioenergy Technologies Office (BETO), U.S. Department of Energy (DOE)

Thank you to everyone who submitted questions at registration for the Opening Receptions.

We have consolidated questions into six different topics.

We will now poll the audience to prioritize the session's discussion.

# Technological Breakthroughs that Underpin the Bioeconomy



**Daniel Simmons**

Co-Chair of the Biomass R&D Board & Assistant Secretary, Office of Energy Efficiency and Renewable Energy (EERE), U.S. Department of Energy (DOE)

**Sharlene Weatherwax**

Associate Director, Science for Biological and Environmental Research, U.S. Department of Energy (DOE)



**Richard Dickinson**

Division Director of Chemical, Bioengineering, Environmental, and Transport Systems, National Science Foundation



**Gene Lester**

Director, Product Quality and New Uses and Biorefining and Biofuels National Programs, Agricultural Research Service, USDA

