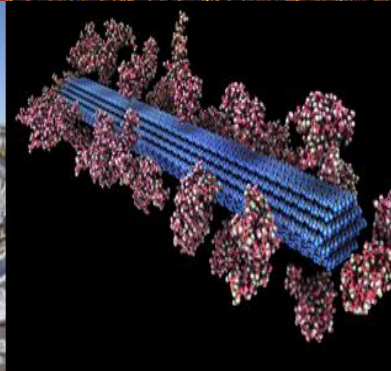
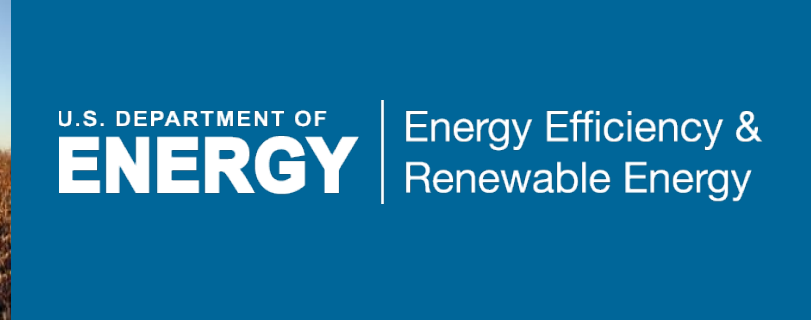


# Welcome to BETO's Leveraging Existing Bioenergy Data Virtual Workshop!

We welcome you to answer the networking questions  
and use Chat for informal discussions.

The program will begin at 12:45pm Eastern.





# Welcome and Introduction

## Leveraging Existing Bioenergy Data Virtual Workshop

July 21, 2020

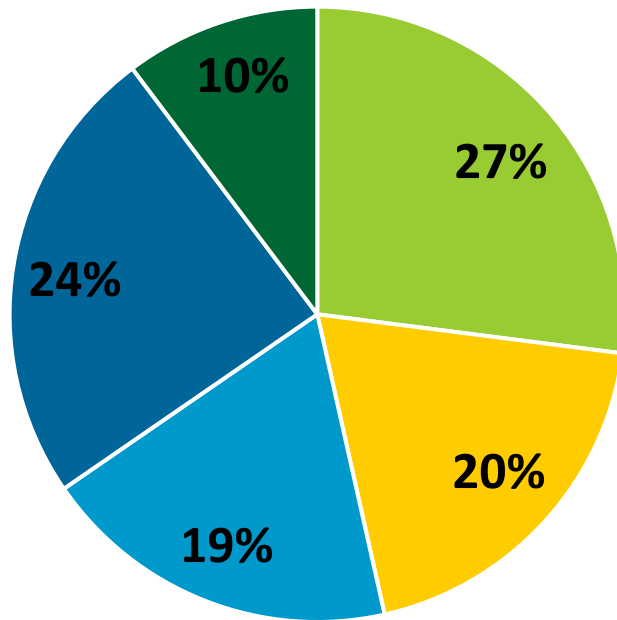
**Elizabeth Burrows, PhD**

Technology Manager

Bioenergy Technologies Office (BETO)  
US Department of Energy

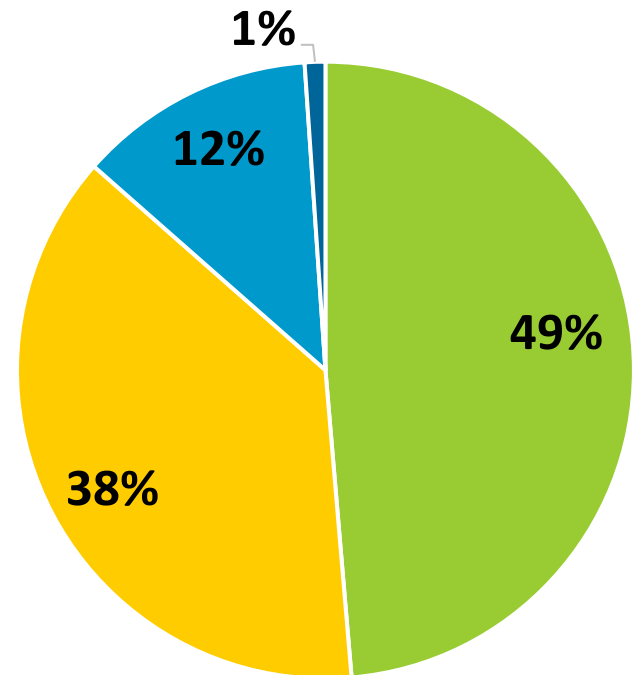
# Workshop Registrant Info: 189 total

## What is your affiliation?



- Academia
- Government
- Industry/Consultant
- National Labs
- Other

## Have you attended a BETO workshop before?



- Yes
- No
- No Response
- Undecided

# Bioenergy Technologies Office's Mission and Vision



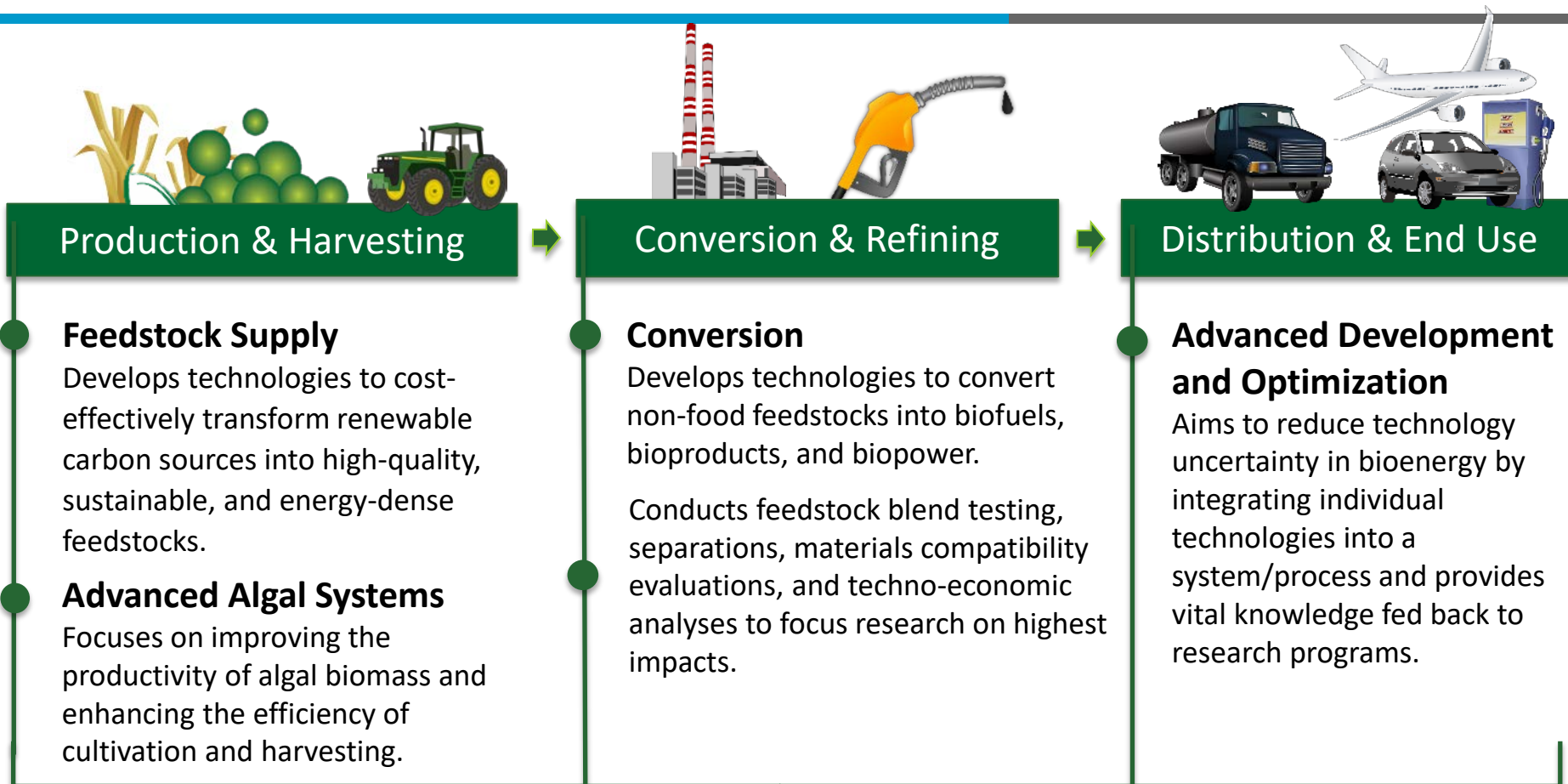
**A thriving and sustainable bioeconomy fueled by innovative technologies**

**Developing transformative and revolutionary sustainable bioenergy and coproducts technologies for a prosperous nation**

**Develop industrially relevant technologies to enable domestically produced biofuels, biopower, and coproducts**

***BETO Reduces Technology Uncertainties and Enables Affordability Through R&D***

# Bioenergy Technologies Office's Program Areas



## Crosscutting

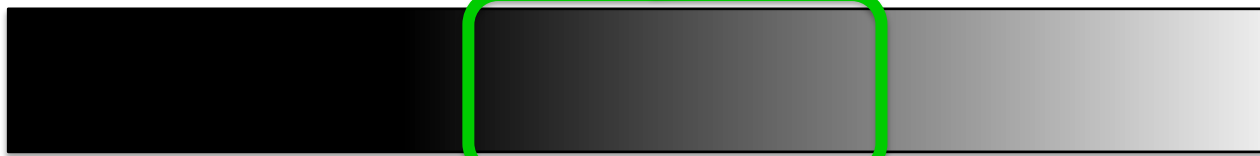
- Sustainability and Strategic Analysis**  
Supports program decision-making and develops science-based strategies to understand and enhance the economic and environmental benefits of advanced bioenergy.

# Workshop Goal

Discuss strategies for collecting and valorizing underused datasets and associated knowledge, with the objective of making this information public on existing databases

## Focus of Workshop:

Currently used data: operating conditions, methods, partial datasets  
Previous used data: full range from trade secrets to broad analyses, etc.



Trade secrets

Business sensitive IP

Currently used proprietary data

Currently used non-sensitive data

Previously used data

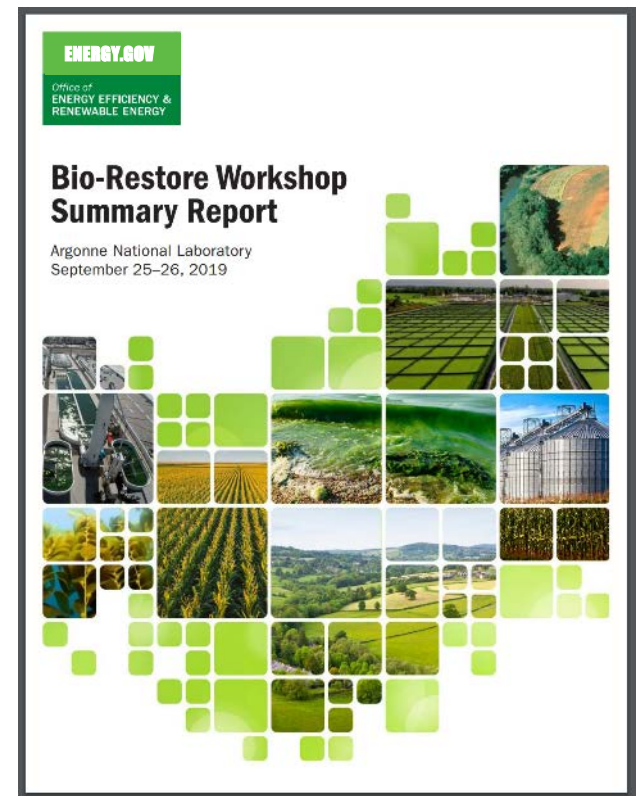
Published Patents

Published data

Open access published data

# Outcomes of this workshop

- Compile information on work already done
  - Data acquisition
  - Data valuation
- Generate recommendations on how best to realize this effort
  - Tangible list of questions to ask about datasets
  - Robust list of existing datasets, their impact, and availability
  - Recommendations for how to improve current processes
    - Data room procedures
    - Industry opportunities
- Publish results in a workshop report.



# Envisioning this effort

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**Website with:**

**Request Data**

**Supply Data**



# Envisioning this effort

## Request Data

Requester: Provides as much info as possible about data characteristics and availability.

Implementer: Verifies quality and pursues acquisition.

# Envisioning this effort

## Supply Data

### Supplier:

- Provides as much info as possible about data quality, impact, and reusability.
- Identifies at least one initial committed user.

### Implementer:

- Determines a fair price.
- Ensures that the data wasn't DOE funded.

# Metrics of Success

## Minimum:

**\$ spent to  
acquire data**

**<**

**\$ required to generate  
new data**

## Maximum:

- Effort becomes well-known and permanent
- DOE project budgets include funding to purchase existing datasets through this effort
- Other agencies implement analogous efforts

# Keynote speakers



**Kimberly J. Graber**  
*Legal Counsel*  
DOE



**Julia Moody**  
*Deputy Chief Counsel, IP*  
DOE



**John Ellersick**  
*Founder & President*  
Next Rung Technology



**Kjersten Fagnan**  
*Chief Informatics Officer*  
Joint Genome Institute



**Charles Tait Graves**  
*Partner*  
Wilson Sonsini Goodrich  
& Rosati



**Doug Laney**  
*Principal Data Strategist*  
Caserta



**Didier Navez**  
*Vice President of  
Strategy & Alliances*  
Dawex



**Debbie Brodt-Giles**  
*Group Manager-Data,  
Analytics, Tools, &  
Applications*  
NREL

# 3x5 Presentations

<b>Speaker Name:</b>	<b>Company/Organization:</b>	<b>Talk Title:</b>
Charles Naggar	Alston & Bird LLP	Intellectual Property: Types, Eligibility, and Protection
Bruce Adkins	Oak Ridge National Laboratory	Stranded data from KiOR
Joe Sagues	North Carolina State University	Scale-Up Data: A Hidden Asset
Deepti Tanjore	Lawrence Berkeley National Laboratory	Knowledge Representation to Capture Lessons Learned in Bioprocessing
Rachel Emerson	Idaho National Laboratory	Data Qualification Framework
Igor Grigoriev	US DOE Joint Genome Institute	Multomics data for fungi and algae
Carrie Farberow	National Renewable Energy Laboratory	Computational Catalyst Property Database and Catalyst Deactivation
Bruce Wilson	Oak Ridge National Laboratory	Time and the Value of Data
Vijaya Gopal Kakani	Oklahoma State University	Generating and Transferring Technology to Fill Knowledge Gaps

# Thank you!

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## Questions?

Feel free to type any questions or comments into the chat!

Beau Hoffman, co-organizer, will be moderating the session.