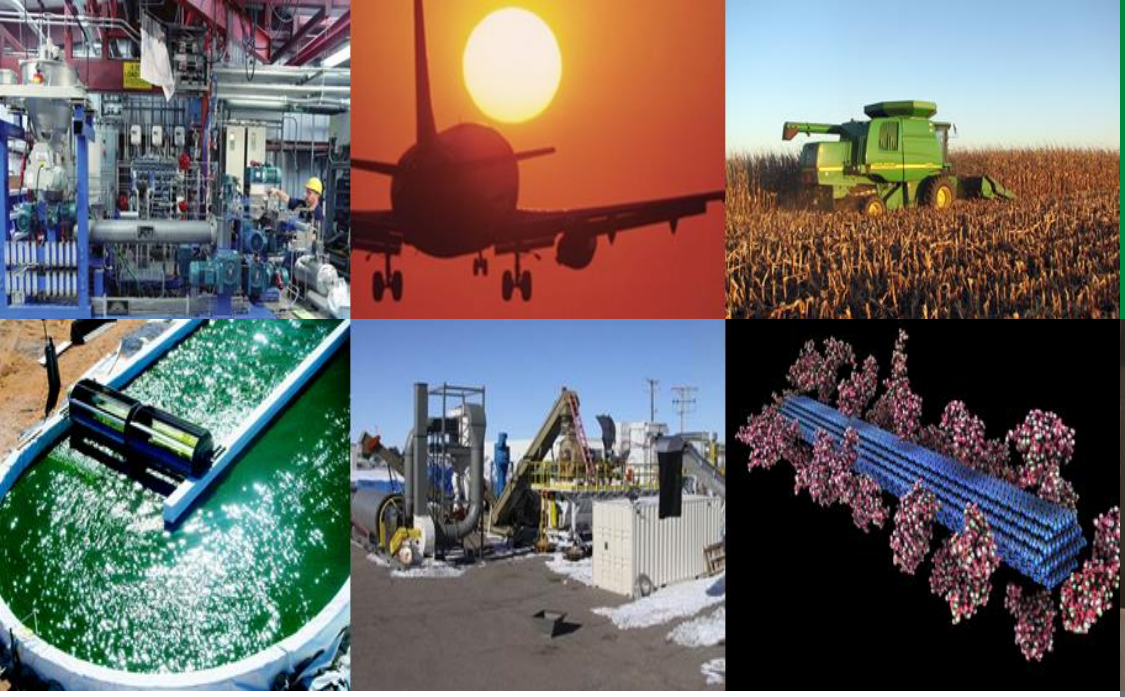

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

# Bioproducts:

# Enabling Biofuels and Growing the Bioeconomy

Biomass 2014

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# Introduction

- Why bioproducts?

  *"To support pursuit of these goals, the Bioenergy Technologies Office, within the Department of Energy's Office of Energy Efficiency and Renewable Energy, is focused on forming public-private partnerships with key stakeholders to research, develop, and demonstrate technologies to produce advanced bioenergy and bioproducts from lignocellulosic and algal biomass. The Office focuses on reducing technology risks from feedstock supply and logistics through development of biorefinery technologies to enable industry investment in technology deployment at scale."*

  -BETO's Multi-Year Program Plan, July 2014

- There has been significant industry investment in advancing commercial deployment of bioproducts.

- Recently, techno-economic analysis has demonstrated the need for co-product development to improve biorefinery economics for advanced biofuels production.

- BETO envisions the biorefinery of the future producing fuels, specialty and commodity chemicals, and other value-added co-products.

# Today's Speakers

- **Brent Shanks,** *Steffenson Professor,* Iowa State University
- **John Trawick,** *Research Fellow,* Genomatica, Inc.
- **Andrew Held**, *Senior Director, Deployment and Engineering,* Virent, Inc.
- **Ken Williams,** *Global R&D Lead for Feedstock Innovation,* NatureWorks, LLC
- **Jennifer Dunn,** *Biofuel Life Cycle Analysis Team Lead,* Argonne National Laboratory

# Panel Overview

- Speakers will be presenting on their topics of interest
- Following the talks, there will be a ~30 minute facilitated panel discussion around critical issues for development and deployment of bioproducts
- Audience members may submit questions for the panel to Ashley Rose via notecards
  - We would like everyone to have the chance for their questions to be asked- this method allows us to ensure that we can cover the most ground within our limited time for discussion.

# Thank you!