



Biomass 2013—Sixth Annual Success!

The Bioenergy Technologies Office (BETO) successfully hosted its sixth annual Biomass conference, *Biomass 2013: How the Advanced Bioindustry is Reshaping American Energy*. Co-hosted by Advanced Biofuels USA, Biomass 2013 took place July 31–August 1 at the Washington Convention Center and was attended by more than 430 members of the bioenergy field.

This year's conference included more than 65 distinguished speakers from government, academia, and industry. It also featured the announcement of the first commercial-scale production of cellulosic ethanol by BETO funding recipient INEOS ([see story below](#)) and provided an opportunity to promote new partnerships, acknowledge recent progress and achievements, and explore new opportunities and challenges in the bioenergy field.

BETO would like to extend a special thanks to all conference speakers, poster presenters, and conference co-host, Advanced Biofuels USA, for making this year's conference a resounding success!

For additional information on the event, or to view select presentations, please visit the [Biomass 2013 Web page](#). Social media posts from the conference can be found on the Bioenergy Knowledge Discovery Framework [Twitter feed](#) and [Facebook page](#).

First Commercial-Scale Biorefineries in the United States

Through BETO's support, INEOS opened the nation's first commercial-scale biorefinery in Vero Beach, Florida, in November 2012, and began production of cellulosic ethanol and biopower in July 2013. Throughout the course of its construction, INEOS created nearly 400 jobs, sourced 90% of its equipment from U.S. manufacturers across 10 states, and provided more than \$4 million annually in payroll to the local community. Two other commercial-scale biorefineries, [POET-DSM](#) and [Abengoa](#), will complete construction and startup in 2014.

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Together, these three facilities will have a combined production capacity of more than 50 million gallons of cellulosic ethanol per year. A fourth biorefinery project, Myriant, used BETO funding to construct and startup production of biobased succinic acid in its facility in Lake Providence, Louisiana. All of these facilities highlight BETO's efforts to help transform renewable biomass resources into commercially viable, high-performance biofuels, bioproducts, and biopower.

BETO's GBTL Workshop to Take Place in September

BETO, in coordination with the Office of Fossil Energy and the National Energy Technology Laboratory, is hosting a workshop on Natural Gas-Biomass to Liquids (GBTL) research and technology development on September 3, 2013. The objective of this workshop is to obtain input from industry, academia, research establishments, and other experts that identifies the pre-competitive research and development barriers to advancing GBTL technology.

Workshop participants will focus on several topic areas, including technical barriers, greenhouse gas emissions, and volume resource potential. Additional information and results from the workshop will be posted on the [GBTL Workshop Web page](#).

Request for Information: Manufacturing Renewable Carbon Fibers

BETO has issued a request for information (RFI) on the need for federal financial assistance to research, develop, demonstrate, and deploy emerging renewable carbon fiber technologies. This RFI comes as a result of the Renewable Low-Cost Carbon Fiber for Lightweight Vehicles [Workshop](#), held June 4–5, 2013. The purpose of the RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other public- and private-sector stakeholders to assist the Department of Energy with the development of a strategic program in renewable carbon fibers. The program could include investigations of biological and/or non-biological conversion and processing technologies to transform biomass components into chemicals.

All responses to this RFI must be provided as an attachment in an [e-mail message](#) addressed with the subject line "Response to RFI" no later than 5:00 p.m. ET on September 6, 2013. For details on submitting a response, please view the full [announcement](#).

New and Updated BETO Publications and Presentations Available

This month, BETO posted an updated version of its interactive [overview presentation](#). This presentation is an interactive PDF "walkthrough" of the Office's efforts and demonstrates BETO's vision of advancing the biofuels industry while also highlighting the research and development activities that will help make it a reality.

We've also recently updated a number of our publications, including an overview of [thermochemical conversion](#), [biochemical conversion](#), our Office's [replacing the barrel strategy](#), and more. Visit our [Key Publications Web page](#) to access the newest versions of all our top publications.

Recently posted presentations from the [2013 Program Management Review](#) and the [Symbiosis Conference](#) are also available on the BETO website.

BioBlogs

In August, the [Bioenergy Technologies Office Blog](#) featured a post on Myriant, one of BETO's integrated biorefinery project partners. Even at its young age, the biorefinery is having a visible, positive impact on the surrounding community. Find out more on the [BETO blog](#).

Past and Upcoming Events with Bioenergy Office Representation

- [American Society of Agricultural and Biological Engineers \(ASABE\) 2013 Annual International Meeting](#); July 21–24; Sam Tagore; Kansas City, Missouri
- [Bioenergy Technologies Office Program Management Review](#); July 30, 2013; All Staff; Washington, DC
- [Biomass 2013](#); July 31–August 1, 2013; Various Staff; Washington, D.C.
- [Natural Gas-Biomass to Liquids Workshop](#); September 3, 2013; Kevin Craig, Zia Haq, Prasad Gupte, and more; Chicago, Illinois
- [tcbiomass2013](#); September 3–6, 2013; Zia Haq, Paul Grabowski, Jim Spaeth, and more; Chicago, Illinois
- [Algae Biomass Summit](#); September 30–October 3, 2013; Roxanne Dempsey; Orlando, Florida
- [Advanced Biofuels Leadership Conference Next](#); October 10–11, 2013; Valerie Reed; San Francisco, California

Upcoming Industry Events

- [2013 Pellet Fuels Institute Annual Conference](#); July 28–30, 2013; Asheville, North Carolina
- [Ag Biomass Canada National Conference](#); August; 22–23, 2013; Ottawa, Ontario, Canada
- [International Bioenergy Fair and Conference](#); September 4–6, 2013; Jyväskylä, Finland
- [National Advanced Biofuels Conference & Expo](#); September 10–12, 2013; Omaha, Nebraska
- [Biofuels International 2013](#); September 11–12, 2013; Antwerp, Belgium
- [2013 TAPPI International Bioenergy & Bioproducts Conference](#); September 18–20; Green Bay, Wisconsin

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