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## Biorenewable Insights

### Program Overview

#### Subjects addressed:

The Biorenewable Insights program helps strategic planners make informed decisions in the rapidly evolving area of biorenewables. It provides in-depth evaluations and reliable data on the technology, cost competitiveness and business developments of biorenewable chemicals and fuels.

#### 2017 Program Year Report Listing

Biorenewable insights is planning 10 reports for the 2017 Program year:

- Methanotrophs and Syngas Fermentation
- CO<sub>2</sub> to Chemicals
- Polyhydroxyalkanoates (PHAs)
- Ethylene Glycol
- Lignin
- Polyamides
- Ethanol (First and Next Generation)
- Aromatics (BTX and PX)
- Cellulosic Sugars
- Jet Fuel

#### Content

Reports Include:

- Technology Descriptions
  - Chemistry
  - Process Flow Diagrams and Descriptions
- Company Profiles
- Capacity Analysis
  - Announced Projects
  - Project Analysis
  - Adjusted Project Capacities
- Process Economics
  - Cost of Production Models
  - Comparison to Conventional Routes
- Implications for Conventional Technologies

### Back-Catalogue of Published Reports (2014-2016)

| 2016                       |                          |
|----------------------------|--------------------------|
| Conventional Sugars        | Isoprene and Isoprenoids |
| PEF to Replace PET         | Gasoline and Reformate   |
| Hydrogen                   | MSW                      |
| Bio-Lubes                  | Polypropylene            |
| Biogas and LFG             | Isobutylene              |
| PDO and PTT                | Algae Technologies       |
| 2015                       |                          |
| Methanol/DME               | Succinic Acid            |
| n-Butanol                  | Naphtha                  |
| Butanediol (BDO)           | Natural Oil Feedstocks   |
| Jet Fuel                   | Lactic Acid/PLA          |
| Carbohydrate Feedstocks    | Propylene                |
| Alpha Olefins and LAOs     | Adipic Acid              |
| Isobutanol                 | Isocetene/Isocetane      |
|                            | Biomass Pretreatment     |
| 2014                       |                          |
| Biomass Gasification       | Ethylene and Derivatives |
| Bio-Based Acrylic Acid     | Propylene Glycol         |
| BTX and PX                 | Butadiene                |
| Next Generation Bioethanol | Biodiesel                |
| Cellulosic Feedstocks      | Cellulosic Sugars        |

#### Benefits

- Realistic, commercially-oriented evaluations of biorenewable technologies and economics
- Independent comparison of various bio-based processes and competitiveness with conventional petrochemical routes
- Assessment of the progress and business feasibility of industrial capacity announcements
- Understanding obstacles or advantages of a particular technology or technology type
- Determination of potential impact of new technology and business developments
- Competitor analysis

**Subscription Options:** An annual subscription to BI includes ten reports published in the current program year. Reports can also be purchased on an individual basis, including reports from previous publication years. A special package including our full catalogue of BI reports is also available.

For information regarding the Biorenewable Insights Program or any of the reports, please contact [sslome@nexant.com](mailto:sslome@nexant.com).



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