CAAFI Biennial General Meeting 2016

R&D Team Breakout Session – Report Out

Walter E. Washington Convention Center
Washington, D.C.

R&D Team Tri-Leads:

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R&D Team: What we do

* **Identifying technology gaps**
  * Broad range of participants/experts
  * White Paper solicitation/review

* **Aligning research focus/funding for future fuel development**
  * Coordinating efforts with FAA, DOE, DOD, and OEMs to maximize impact
  * Ensuring availability of research findings

* **Developing Tools and communication frameworks**
  * Feedstock Readiness Level (FSRL)
  * Path to Fuel Readiness Guide
  * Fuel Readiness Level (FRL) Exit Criteria
  * Roadmap Tool
  * SOAP-Jet Webinar Series
Sought input from participants on key R+D challenges/opportunities across the supply chain

Sought input on how CAAFI R+D team can be effective in providing value

Broke into two groups:
- Conversion Technology and Cross-Cutting Analysis
- Feedstocks and Supply Chain Logistics
Ten years in, 1st round of technology success.

- What is the future? What’s the NextGen?

CAAFI to help community focus on outcomes, not processes.

- Advocate programs/policies that are not prescriptive.
- Help define challenging, but flexible outcomes—environmental and fuel performance

CAAFI to promote evaluative tools to explore options/conversion pathways.

- More “physics-based” – process agnostic
- Capable of prioritize prospects of different technologies and likelihood of producing jet fuel
Findings – Conversion and Cross-Cutting

* CAAFI to continue to advocate SAJF supportive policies – “no such thing as a free market”
  * Policies guide types of research
  * Evaluative tools are needed to guide advocacy
  * Policies should not be locked into a certain type or process
  * Evaluative tools can help set outcome goals
  * Policies should be informed by ‘systems thinking’
Findings – Feedstocks and Logistics

* CAAFI R&D Team to advocate supply chain adaptations for fuel
  * Food practices (high density commodities) don’t necessarily fit energy feedstock practices (low density)
  * Feedstock consolidation processes
  * Scale out vs scale up / modularity
  * Coordinated supply chain management
* CAAFI to advocate continued feedstock identification
  * Initial efforts from USDA/universities require continued funding
  * Continued outreach to farmers
  * NextGen Feedstocks
Expand CAAFI networking
- CAAFI and the alt fuels community outreach
- Use communication tools more effectively
  - CAAFI Communications Manager
  - Website – tools/resources
  - SOAP-Jet
  - Meetings
  - Social Media
  - Etc.
- R&D start dialog with emerging companies/technologies