

Commercial Aviation Alternative Fuels Initiative (CAAFI)

Alternative Aviation Fuels Pavilion
ILA Berlin Airshow - Berlin, Germany
May 20, 2014



Nate Brown
Alternative Jet Fuel Project Manager - FAA
Advisor for Strategy & Implementation - CAAFI

CAAFI Sponsors & Participants

15 Aircraft,
Engine, Subsystem
OEM's



20 Airlines,
Military,
Airport orgs.



19 U.S. States /
State Univ's

19 Countries /
5 Continents



30 U.S.
Government
Offices

40 + fuel
producers



CAAFI Teams focus on barriers

Environmental Team



*Life Cycle GHG,
Particulate Matter,
Sustainability*

R&D Team



*Multiple “Drop-
in” Solutions*

Certification- Qualification Team



ASTM D7566

Business Team

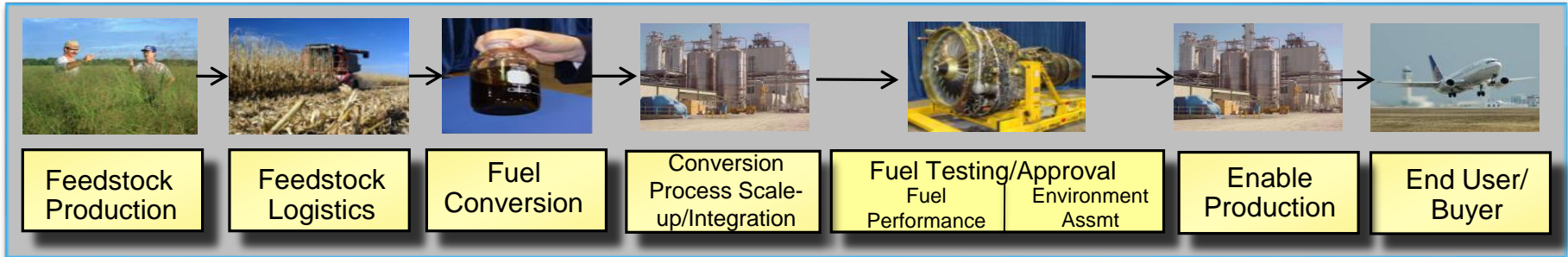


*Facilitate Deployment
& Investment*

- * Four teams addressing challenges to adoption
- * Meet periodically each year
- * Led by FAA, A4A and engine and aircraft OEMs
- * Develop resources and tools for the community

Coordinating Government Efforts across Supply Chain

Facilitating Deployment and Investment



Agriculture: Biomass Crop Assistance Program & Crop Insurance Program

Agriculture: Feedstock Development Center Grants

Energy & Defense: R&D grants

Agriculture & Energy: R&D grants

FAA & Defense: C/Q Fuel testing

FAA, Defense & NASA: Enviro Analysis

Agriculture, Navy, & Energy: Defense Production Act and Biorefinery Program

Defense & Airlines: fuel purchase

FAA: Guidance for Airports

EPA: Renewable Fuel Standard



State & Regional Deployment

- * Working with local lead organizations/POCs in 19 U.S. states
 - * Provide context, advice, strategy, benchmarking
 - * Facilitate networks & links between stakeholders
 - * Farm to Fly 2.0
 - * Leverage USDA and aviation resources for deployment
- “enable commercially viable, sustainable bio-Jet Fuel supply chains in the U.S. that are able to support the goal of one billion gallons of bio-Jet Fuel production capacity and use for the Aviation Enterprise by 2018”**



U.S. Agriculture Secretary Vilsack and U.S. Transportation Secretary LaHood, April 2013



CAAFI Biennial Meeting – January 2014



- 250 attendees
- Keynote addresses:
 - USDA Secretary Tom Vilsack
 - FAA Administrator Michael Huerta
 - Alaska Airlines CEO Brad Tilden
- Breakout sessions for CAAFI teams



International Engagement

- Bilateral Cooperation Agreements
- Coordination with initiatives, and R&D organizations
- U.N. International Civil Aviation Organization

Australia



Brazil



Germany



Spain





CAAIFI®

FUELING SOLUTIONS FOR
SECURE & SUSTAINABLE AVIATION