#### **Feedstock & Feedstock Systems**

#### **CAAFI General Meeting** Washington DC Convention Center

Scott Turn Hawaii Natural Energy Institute University of Hawaii October 25, 2016



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## Feedstock and Feedstock Systems For "Island Scale" in Hawaii (10-20mgy)



**Contributed by University of Hawaii Applied Research Laboratory** 

**Tropical Bioresources and Pathways to AJF** 





## **Physicochemical Characteristics**

- Thermochemical ultimate, proximate, heating value, ash composition
- Biochemical cellulose, hemicellulose, lignin composition
- Oil content and composition
- Feedstock handling -- bulk density, grinding/densification energy requirements, etc.





# **Resource Availability**



Agriculture ---- Industry ---- Investors ---- Government ---- Community

- Land
- Water
- Infrastructure
- Technology

- Financial Incentives
- Human Resources
- Sustainability
- Policy



How do crops/feedstocks fit on the landscape and what are their technical potentials based on climatic/soils/political/ geographic constraints?

Leucaena







Sugar

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