

Alternative Jet Fuel Supply Chain Analysis

ASCENT 1

ASCENT-1 Overview

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Presentation Agenda

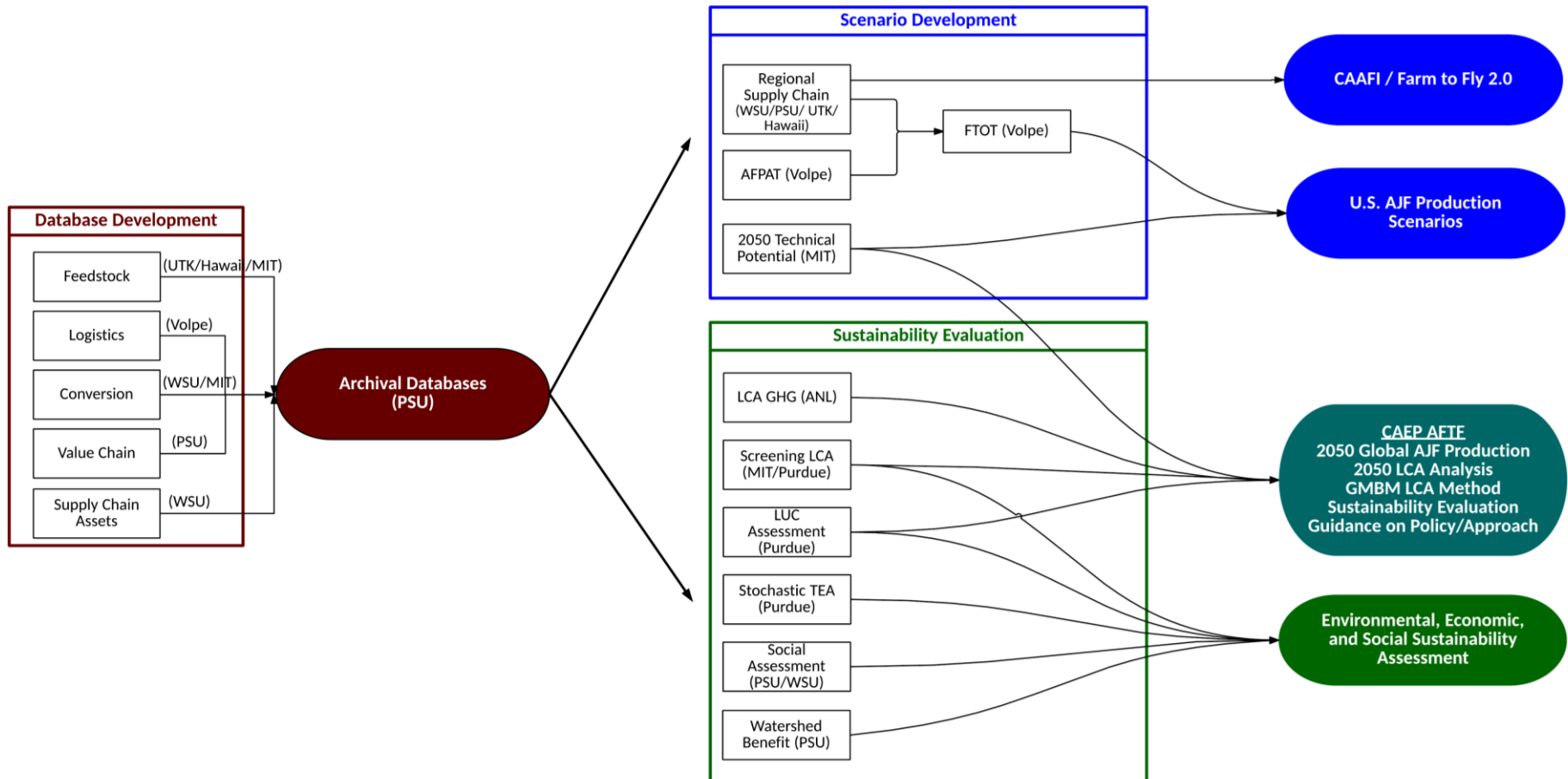


- Overview of Vision for ASCENT-1 Organization
- Overview of A01 Posters
- Overview of A01 Presentations

Project Organization

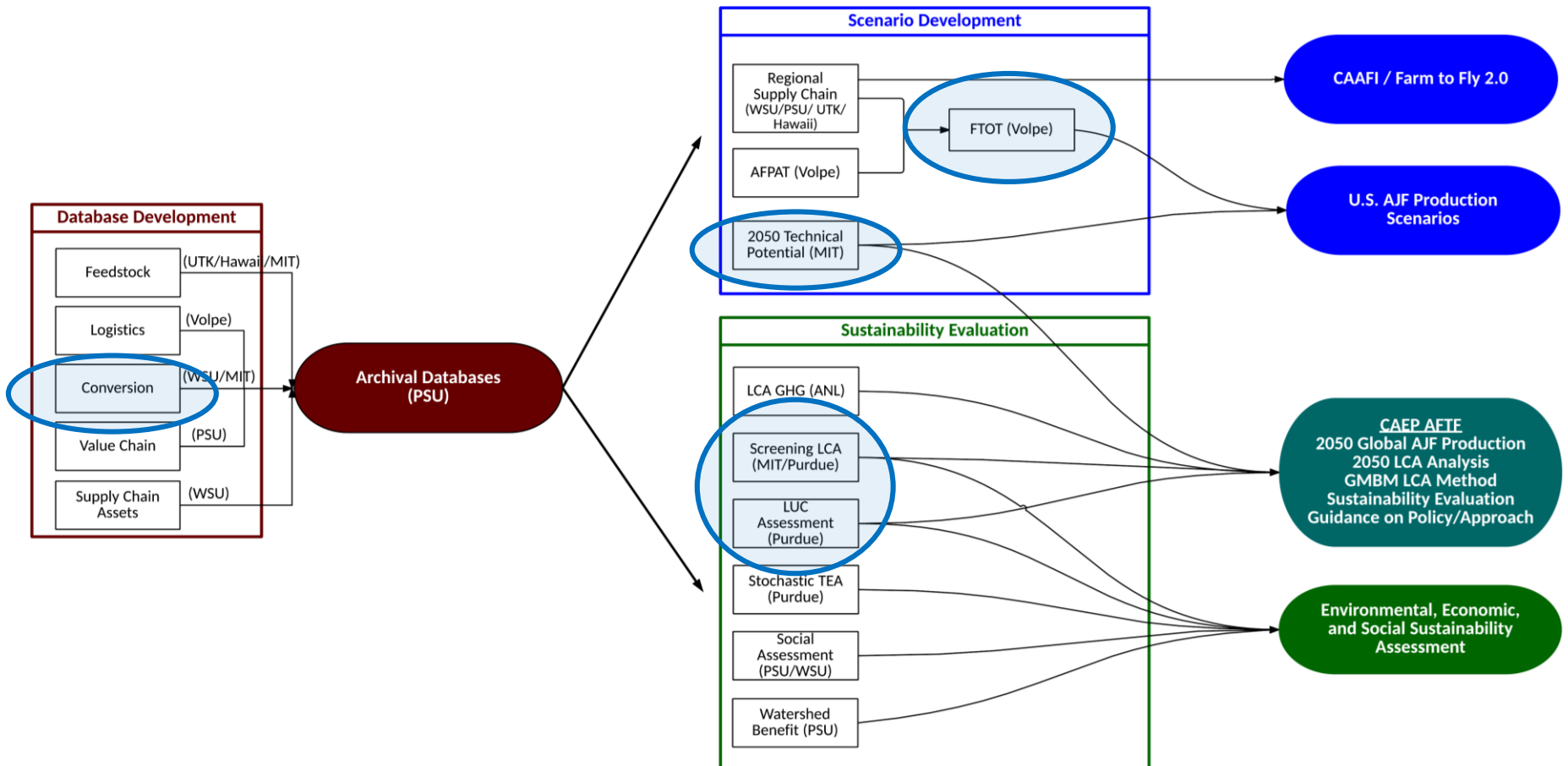
Database Development and Archive

Scenario and Sustainability Analysis



Project Outputs are in Color

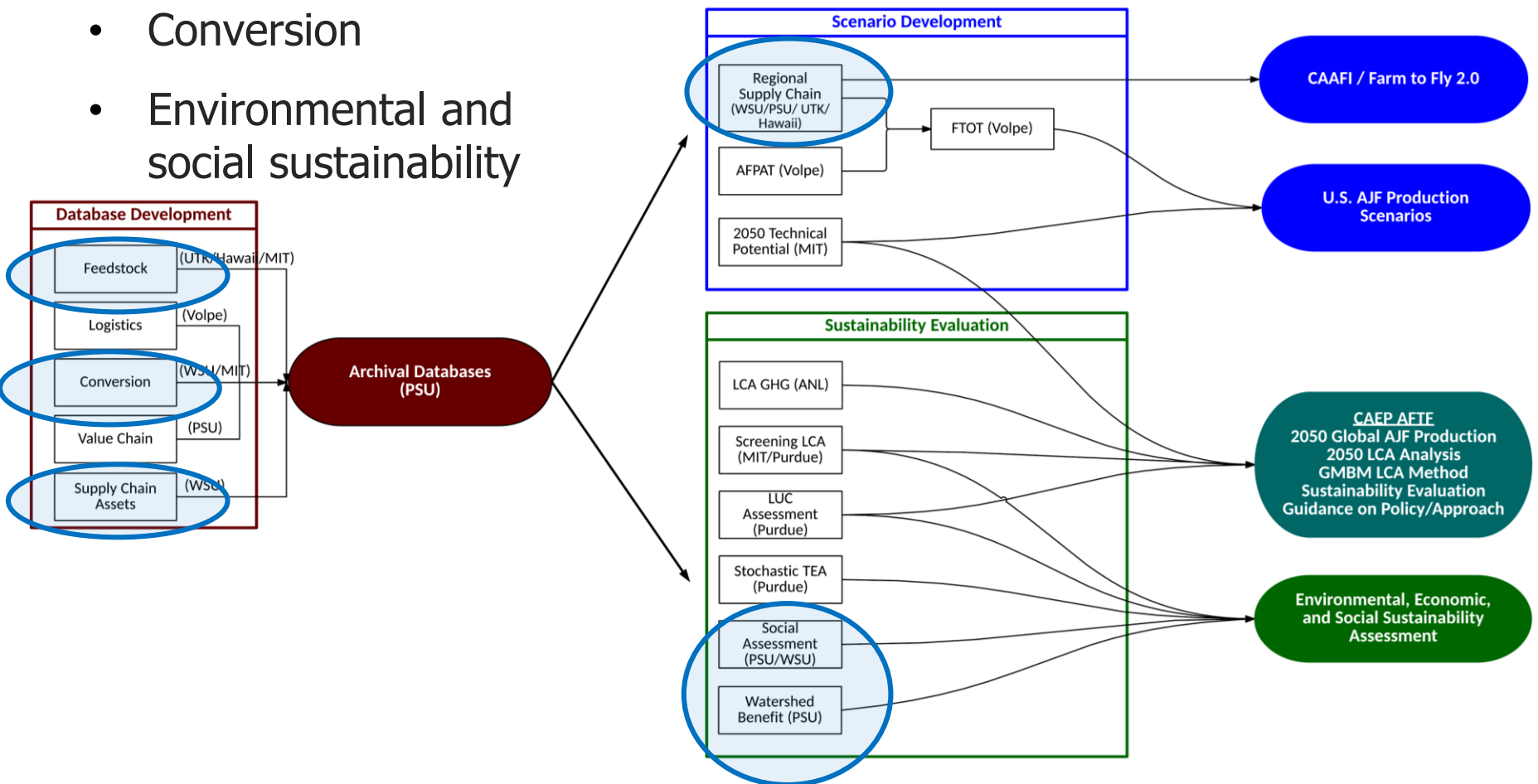
ASCENT P1 Posters



- Alternative Jet Fuel: Co-Processing Bioliquids in Petroleum Refining Processes (Clifford et al., PSU)
- ASCENT 1 Scenario Analyses using the Freight and Fuel Transportation Optimization Tool (FTOT) and Biomass Scenario Model (BSM) (Lewis et al., Volpe, NREL, ASCENT)
- Estimating global land use change emissions induced by aviation biofuels production (Tyner and Zhao, Purdue)
- Lifecycle assessment to support ICAO-CAEP policymaking / National assessment of alternative jet fuel production potential (Rosen et al., MIT)

Focus of Talks

- Regional analyses
- Conversion
- Environmental and social sustainability



- Regional analyses
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- Topics:
 - Sustainability Impacts of Biofuels Feedstocks in the Mid-Atlantic (Zipp & Richard, PSU)
 - Determining Environmental Impacts of Growing Feedstocks for AJF (English, UTK)
 - Assessing and Analyzing Social Elements of Sustainable Alternative Jet Fuel Systems (Gaffney & Hoard, WSU)
 - Evaluating Biorefinery Alternatives for producing Alternative Jet Fuels (Garcia-Perez & Zhang, WSU)
 - Analyzing Biofuels Supply Chains for the Tropics (Turn, UH)