

# Alternative Jet Fuel Supply Chain Analysis

## ASCENT 1

### ASCENT-1 Overview

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# Presentation Agenda

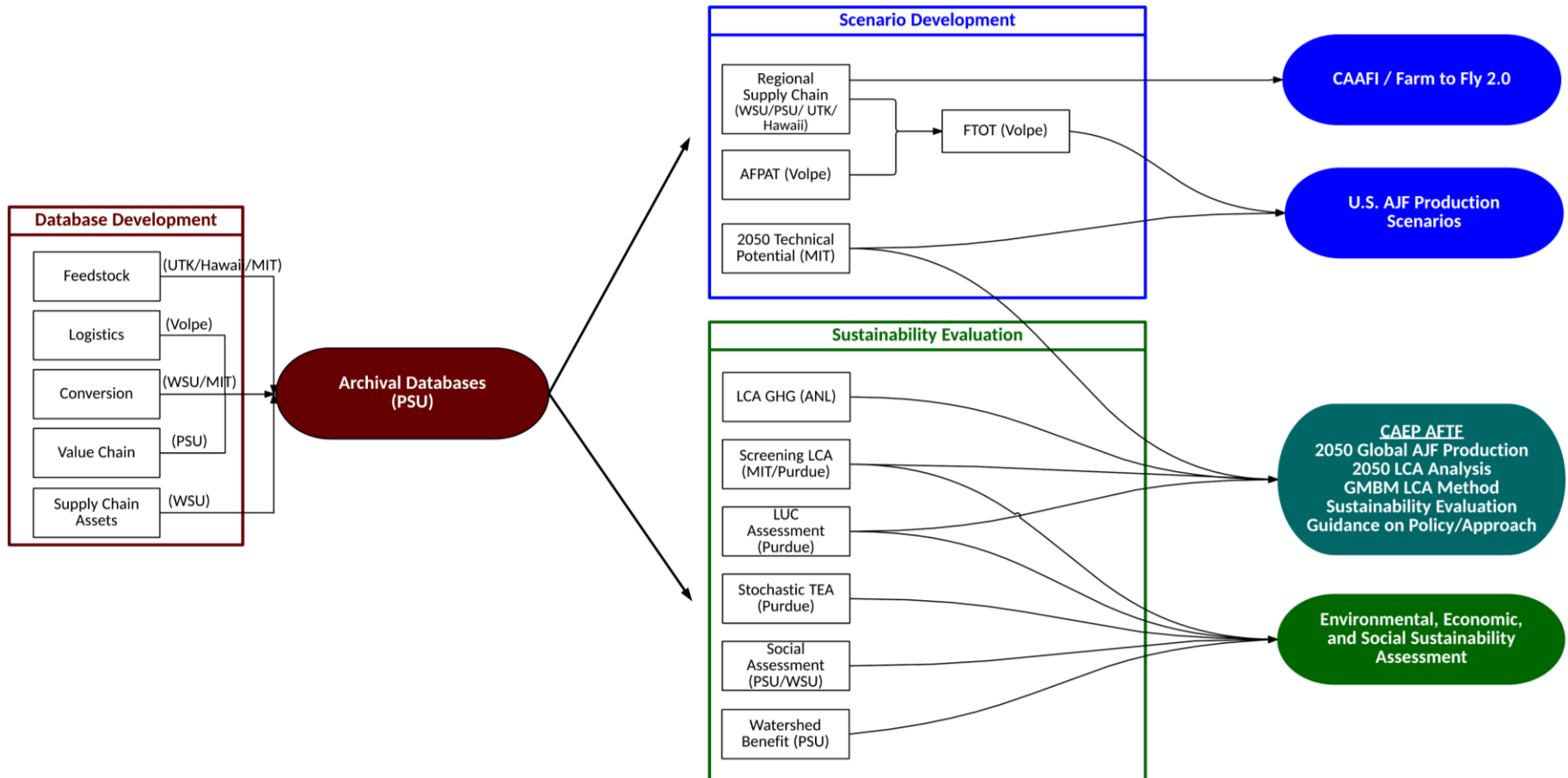


- Overview of Vision for ASCENT-1 Organization
- Overview of A01 Posters
- Overview of A01 Presentations

# Project Organization

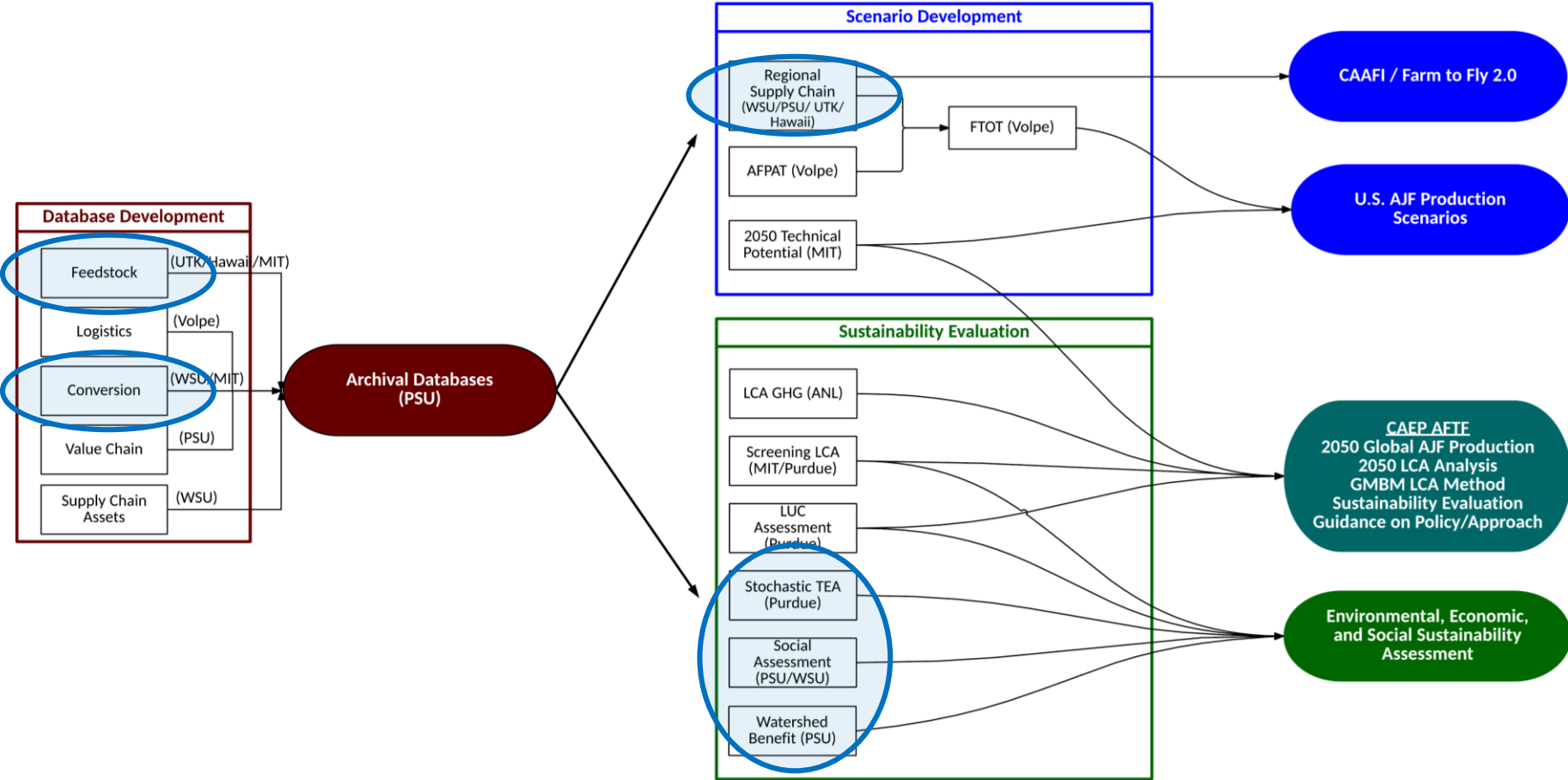
## Database Development and Archive

## Scenario and Sustainability Analysis



Project Outputs are in Color

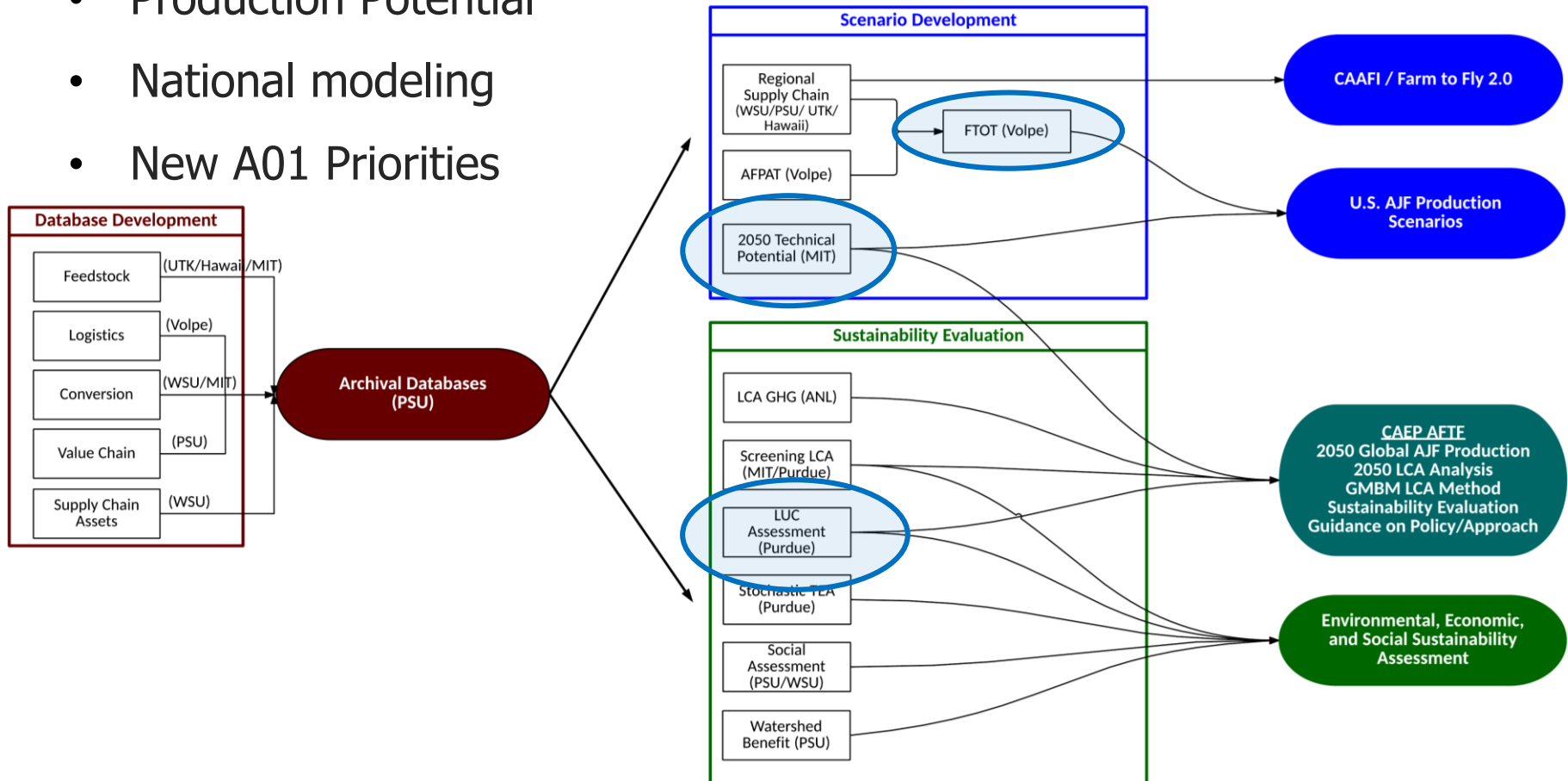
# ASCENT P1 Posters



- U.S. Biofuel Law and Policy: Biomass Production, Water Quality, and Support for the Biofuel Industry – Gilbeau and Fowler, PSU
- Stochastic Optimization of Switchgrass-based Biofuel Supply Chain – Sharma et al., UTK
- Techno-economic evaluation of SAJF: Alcohol-to-Jet – Geleynse et al., WSU
- AJF Supply Chain Tropical Regional Analysis – Turn, UH

# Focus of Talks

- LUC Assessment
- Production Potential
- National modeling
- New A01 Priorities



# Focus of Talks



- LUC Assessment
  - Production Potential
  - National modeling
  - New A01 Priorities
- Topics:
    - Estimate of Land Use Change Emissions Values for Aviation Biofuels Production (Xin Zhao, Wally Tyner, Purdue)
    - Alternative jet fuel: 2050 U.S. Production Potential (Mark Staples, MIT)
    - AJF Future Production – a combined logistics and adoption modeling approach (Kristin Lewis, Volpe)
    - A01 New Approach to Informing Regional Projects (Mike Wolcott (WSU), Nate Brown (FAA), Kristin Lewis (Volpe))