



U.S. Department of
Agriculture
National Institute of
Food & Agriculture



Project Title

**Expansion of GLADIS for Modeling Next Generation
Bioproduct and Bioenergy Market Logistics- Phase I**

Dr. Michael Buser

Project Goal

The overall goal is to compile the information, economic models, and supply chain relationships needed for robust evaluation of a switchgrass bioenergy industry.

Objectives

- (1) Develop an integrated modeling framework for holistic data analysis informed by stakeholder input that links current feedstock growth, financial, sustainability, and environmental models.
- (2) Computational evaluation of the economic models to identify high risk areas, potential production bottlenecks, and the most realistic implementation strategy.

Expected Outcomes

The primary expected outcomes are improved knowledge of switchgrass bioenergy logistics modeling and a concrete strategy to apply and disseminate the knowledge. This project will provide stakeholders with information and the best models to use for their specific situations and concepts for improving and/or developing new models.



PI:
Dr. Michael Buser
Oklahoma State
University
*Biosystems and
Agricultural Engineering*

Co-PIs:
Dr. Rodney Holcomb
Oklahoma State
University
Agricultural Economics

Collaborator:
Dr. Bill Carter, OK
Small Business
Development Center

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