

# University of Arkansas Sustainability Centers

Applied Sustainability Center

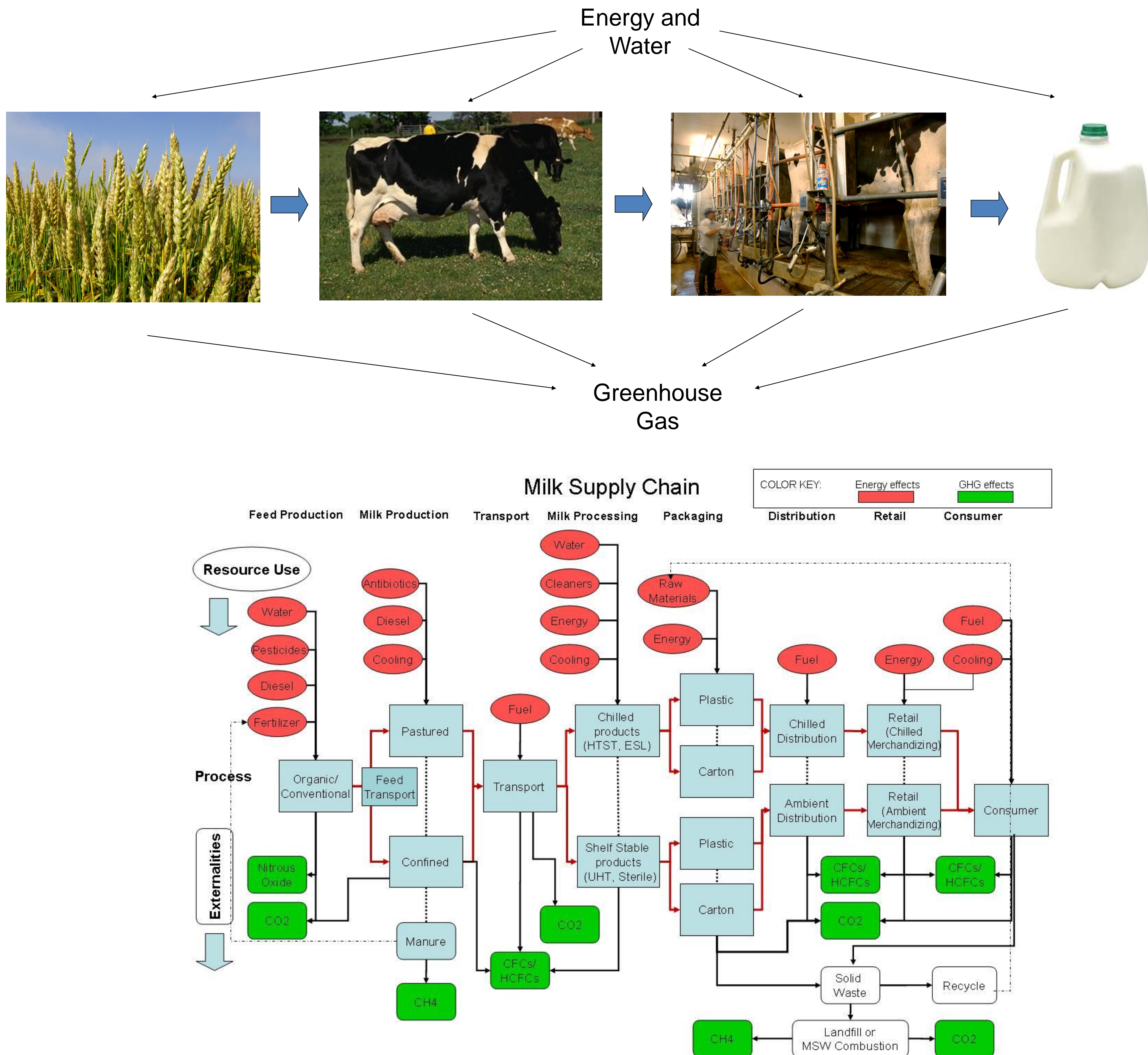
Center for Agricultural and Rural Sustainability

Sustainable Engineering Group

## Life Cycle Analysis: Assessing Impacts of Production from Cradle to Grave

### Dairy Life Cycle Analysis

Estimating energy required in and greenhouse gas emitted from producing one gallon of fluid milk



## Open Source Life Cycle Inventory and Analysis

ASC, CARS and SEG are committed to open source LCI and LCA processes, whereby both data and analyses are both auditable and verifiable. The open source methodology allows for peer review and comparability.

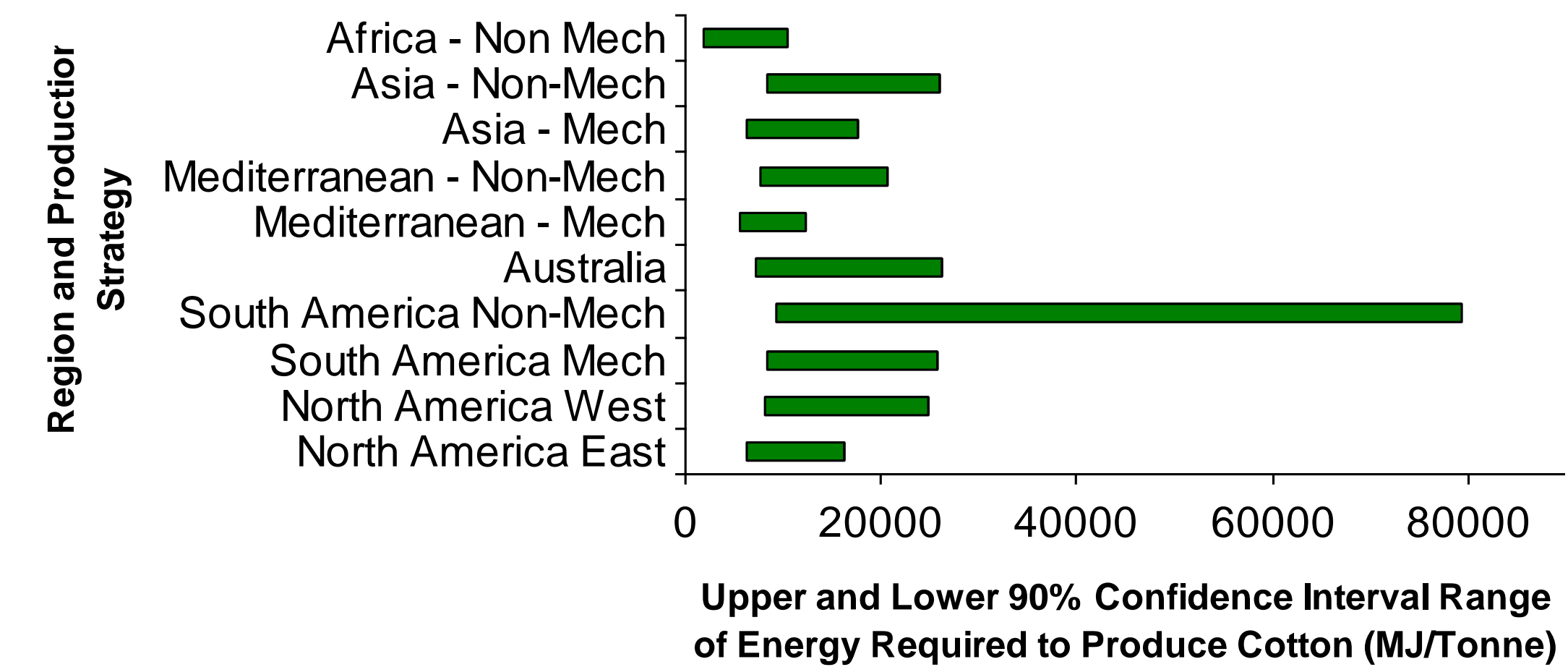
## Carbon Innovation Lab

Bringing together researchers, industry leaders and other stakeholders to work on innovations and solutions to implementation of energy efficient practices, energy generation, and greenhouse gas reduction

## Cotton Life Cycle Analysis

Estimating energy required to produce one metric tonne of raw cotton under a range of global production practices

### Range of Energy Embodied in Cotton by Region and Production Strategy



### North America: Eastern United States

### Distributions of Embodied Energy by Agricultural Practice

