

# Supply Chains and Lifecycle Analysis

- Tim Smith
  - University of Minnesota
- Paul Firth
  - Green Standard
- Jonathan Kaplan
  - NRDC
- Chet Chaffee
  - Scientific Certification Systems
- Richard Jackson-- Moderator

## ***SOLVING FOR PATTERN***

*A bad solution is bad because it acts destructively upon the larger patterns in which it is contained...because it is formed in ignorance or disregard of them. A bad solution solves for a single purpose or goal, such as increased production. And it is typical of such solutions that they achieve stupendous increase in production at exorbitant biological and social costs...Good solutions recognize that they are part of a larger whole. They solve more than one problem and don't create new problems. A good solution should not enrich one person by the distress or impoverishment of another.*

-- Wendell Berry

“Simplicity is complexity resolved.”



•Constantin Brancusi  
1896-1957

# Certification, Supply Chains, and Lifecycle Analysis

- Certification often applies only to production processes, but impacts are present across the entire lifecycle.
- Should certification address the entire lifecycle? The overall supply chain?
- How to incorporate other impacts, such as social and health?
- What is the experience in attempting to extend the analysis (and eventual certification) across the lifecycle?
- What is the needed science?
  - Where should it be applied?
  - What are fruitful research areas?
- Roles for the academy?