



- LCA Studies can be time-consuming and costly.
- Streamlining is an approach for making LCA more accessible
- The main limitation on Full Scale LCA is the amount of data required



# **Streamlining LCA Approaches**

- Limit or eliminate LCA Stages
- Focus on specific environmental impacts or issues
- Eliminate specific inventory parameters
- Limiting impact assessment
- Use qualitative and quantitative data



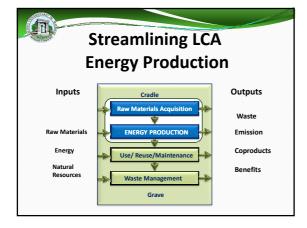
## **Streamlining LCA Approaches**

- Use surrogate data
- Establish criteria to be used as "showstoppers"
- Limit constituents studied to those meeting a threshold quantity
- Combine streamlining approaches



# Streamlining LCA **Energy Production**

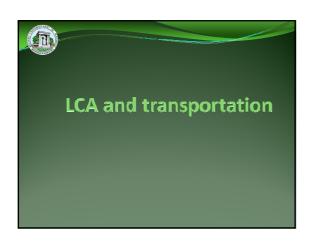
- Focus on the raw material and "energy manufacturing" stages
- Evaluate the equipment manufacturing impact
- Use EPA and DOT Data
- Use qualitative scales for comparing energy alternatives

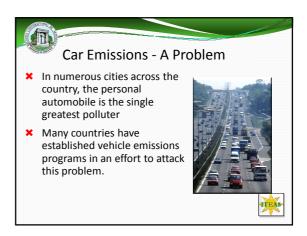




# **Application of LCA Studies**

- Training of environmental professionals
- Develop Environmental Policy
- Determine Resource Allocation
- Develop Eco-Labeling Programs
- Develop Environmental Standards





# ➤ Established by law in 1995 ➤ Started in April '98 ➤ Uses Florida Standards ➤ 4 gases test ✓ CO, CO<sub>2</sub>, O<sub>2</sub> and HC ✓ two RPM settings ✓ Static test ✓ Uses percentages of gases

