**Research Coordination Network (RCN):**

**Pan American Biofuel and Bioenergy Sustainability**

**1st Workshop Summary**

Additional ideas by Group 3

Group 3 provided suggestions in addition to those summarized in paragraph 1 above in this section.

* To increase participation in the RCN, look to other biofuels producing countries such as Colombia, Paraguay, and Uraguay.

**Title: “Pan American Biofuel and Bioenergy Sustainability”**

* + - **Course Themes**
      1. Introductory Concepts and Theories
         1. Concepts and Theories of Sustainability (David Shonnard, Keith Kline)
         2. Fossil Energy Dependence Dilemma (Keith Kline, Conner Bailey)
         3. Energy Trade Offs (conservation and other renewables) (Conner Bailey)
      2. Bioenergy Supply Chains and Technologies (David Shonnard, Julio Sacramento)
         1. Feedstocks for Bioenergy (Conner Bailey, Alberto Acevedo, Jorge Hilbert)
         2. Integated Biorefineries (Julio Sacramento, David Shonnard)
      3. Energy, Agricultural and Climate Policies (Barry Solomon, Javier Becerril)
      4. Life Cycle Assessment and Other Analysis Tools (Jorge Hilbert, David Shonnard)
      5. Environmental Dimensions , Ecosystem Services (Virginia Dale, Heidi Asbjornsen, Marie Zaccagnini)
         1. Biogeochemical Cycles (Brian Titus, Hero Gollany, Sigrid Resh)
         2. Water Issues (Alex Mayer, David Watkins, Marcia Moraes)
         3. Biodiversity (Marie Zaccagnini, Adriana Otero, Rodrigo Medeiros)
      6. Socioeconomic Dimensions (V. Dale, Carmen Bain, Theresa Selfa, J. Becerril, Sam Sweitz)
         1. Economic Viability and Other Socioeconomic Effects (Juan Sesmero)
         2. Land Rights and Food Security (Adriana Otero, Keith Kline)
      7. Integrated Analysis within Agroecological Systems (Jorge Hilbert, Daniel S., Juan Sesmero, Datu Agusdinata)
      8. Implementation and Best Management of Bioenergy in Pan American Contexts