

# **Agricultural Sustainability Institute**

**UCD**

**College of Agricultural and  
Environmental Sciences**

**2005**

# ASI

- **Concept: Bradford Committees 2003 and 2004**
- **Implementation Committee 2004**
- **Recommended inauguration of "Institute"**
- **Accepted by Dean Neal Van Alfen**
- **ASI Name formally accepted by  
Chancellor's office**
- **Appointed Interim Director  
January 1, 2005 [Cal Qualset]**

# ASI: Guiding Principles

1. **Coordination and Integration**
2. **Social Context**
3. **Broad Scope**
4. **Stakeholder Participation**
5. **Expanded Learning Opportunities**
6. **Public Service Emphasis**
7. **Reward System**

# ASI: Organization

- ASI reports to Dean, CAES
- Executive Committee
- External Advisory Board
- Faculty and CE Members
- Director reports to Dean
- ASI Director is also Director of SAREP reports to Associate Vice President of DANR

# ASI: Director

- Director: Joint tenure-track Academic Senate appointment in IR and OR [instruction and organized research]. Has academic department affiliation.
- UC provides permanent full-time salary
- UC provides operational funds and office space
- Proposed support to Director through endowed chair in Sustainable Agriculture and Food Systems

# ASI: Programs

- Research
- Teaching
- Outreach and Communication
- Center for Integrated Farming Systems
- Long-term Research on Agricultural Systems
- Student Farm

# ASI: Linkages

- **College programs:**
  - Commodity information centers  
[PECC, Vegetable Crops and others]
  - Academic Departments
- **Campus programs:**
  - Muir Institute for Environment and others

# ASI: Linkages

## Division of Agric.and Natural Resources

- Sustainable Agriculture Research and Education Program
- Small Farms Center
- Integrated Pest Management
- Agricultural Issues Center
- Genetic Resources Conservation
- Water Resources Center
- Urban Garden Program
- [More]

# ASI: Research

- **Multidisciplinary, Complex, Integrated**
- **Sustainability Science:**
  - Broad sense** [global and local energy sources, environmental quality, market policy and access, food quality and safety, human safety, transportation, property rights and policy]
  - Narrow sense** [traditional, specialized, and organic farming systems, marketing, crop and livestock protection, farm to consumer product quality, crop protection]

# ASI: Research

- Organic agricultural production systems
- Food systems research
- Economics of sustainability
- Water and soil quality
- New crops-new products
- Pest and pesticide resistance
- Transportation systems
- Energy sources for agricultural production
- Agriculture and biodiversity conservation
- Novel marketing systems

# ASI: Teaching

- Facilitate proposed Undergraduate Major in Sustainable Agriculture
- Manage undergraduate Intern Program
- Student Farm informal and formal teaching experiential programs
- Obtain funds and coordinate graduate research fellowships and assistantships

# ASI: Outreach and Communication

- **Coordination through SAREP and SFC and other state-wide programs**
- **Coordinate stakeholder education programs with Cooperative Extension**
- **Participate in activities with international visitors**