

**Ecological Society of America
Agroecology Section
CSREES Stakeholder Priorities**

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With almost 10,000 members, the Ecological Society of America (ESA) is the premiere professional society dedicated to the promotion of the science of ecology. This is accomplished by fostering basic and applied research, making the results of that work available to practitioners and decision-makers, and providing information about the science of ecology to the public.

The Agroecology Section of ESA was established in 2001 with the purposes of 1) promoting an understanding of the importance of the application of ecological concepts and principles to the design and management of sustainable agroecosystems among ecologists, agriculturists, and members of related disciplines, 2) encouraging education and research in agroecology, 3) sponsor meetings and publications for the communication of research and educational activities in agroecology, and 4) increase student participation in the Society.

The Agroecology Section of ESA has identified the following strategic goals and research priority areas:

- Ecosystem services provided by agricultural landscapes
- Functional importance of biodiversity within agricultural landscapes
- Promoting sustainable agroecosystems in a globalized world
- Role of conventional and alternative agricultural systems in causing and mitigating global climate change
- Reintegrating livestock and crop production in the development of sustainable agroecosystems
- Impact of crop and livestock management systems on food's nutritional quality
- Energetic balance of conventional and alternative farming systems
- Ecological, biophysical, and social mitigation of nitrogen excess in the environment