

PREISM

Past, Present and Future



**Program Of Research On The Economics Of
INVASIVE SPECIES MANAGEMENT**

**Utpal Vasavada
PREISM Workshop
October 2008**

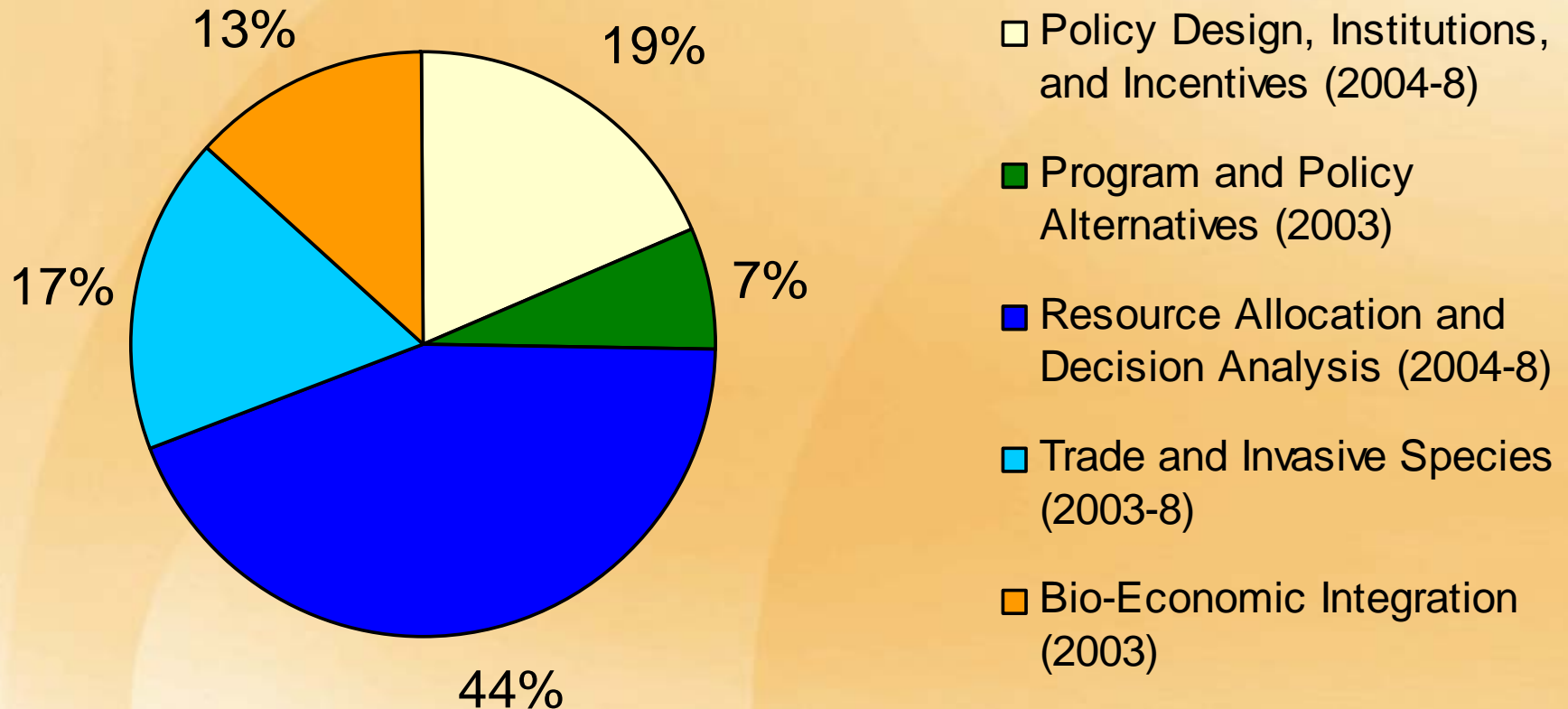


Research Avenues

- **Strengthen USDA's long-term analytical capabilities**
- **Intramural Research**
 - Provide timely research to meet USDA's economic information needs
 - Build databases to support decision making
- **Extramural Research (2003-2008)**
 - 45 competitive projects (total \$6.8 million)
 - 8 commissioned projects (total \$640,000) to address special program needs



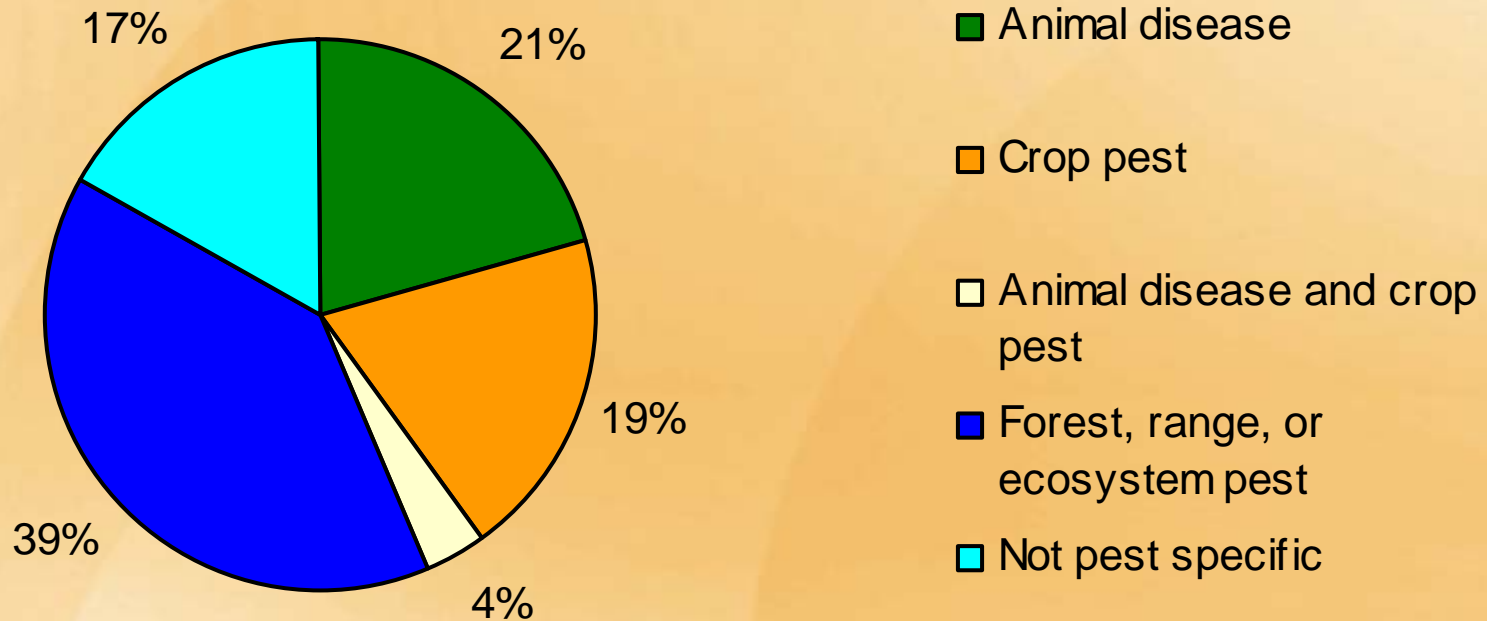
PREISM Competitive Funding Distribution by Priority Research Area*



* As identified by applicants; names of areas vary by year.

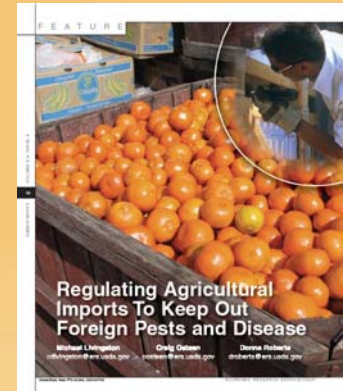


PREISM Competitive Funding Distribution by Pest Type



Key Accomplishments: ERS Publications

- Integrating Invasive Species Prevention and Control Policies
 - Synthesis of PREISM and other studies
- Regulating Agricultural Imports to Keep Out Foreign Pests and Diseases
 - Approaches to pest exclusion
- Economic Impacts of Foreign Animal Disease
 - Modeling framework for FMD impact study



Key Accomplishments and Policy Influence

- Managing Invasive Plants in National Forests
 - Forest Service
 - Montana Department of Transportation
- Risk from Trade in Invasive Plants
 - NAPPO
- Buffelgrass Management
 - Buffelgrass Working Group/Pima County, AZ



Key Accomplishments and Policy Influence

- Emerald Ash Borer
 - Forest Service Collaborators
 - Local governments in Ohio
- Oak Wilt in the North Central States
 - North Central States Oak Wilt Task Force
- Cheatgrass Management
 - Forest Service
 - Bureau of Land Management



PREISM Shapes the Academic Debate: Workshops and Special Issues

- NAREA/ARER (April 2006)
- JAAE (October 2007)
- JEM (December 2008)
- Frontis book (2007) and workshop (2005)
- Choices



PREISM Shapes the Academic Debate: Publications and Presentations

- 90+ published articles and book chapters
- 200+ conference presentations
- Theses and Dissertations
 - Ph.D.: Berkeley, Davis, Hawaii, KSU, Oregon State
 - M.S.: MSU, Alberta, Simon Fraser



Publicizing PREISM Projects: Reports on ERS Website

- Linking Risk and Economic Assessments in the Analysis of Plant Pest Regulations: The Case of U.S. Imports of Mexican Avocados
- Pesticide Resistance, Population Dynamics, and Invasive Species Management
- Prioritizing Invasive Species Management by Optimizing Production of Ecosystem Service Benefits
- Policy and Risk Processes of Trade-Related Biological Invasions



Looking Ahead

- Disseminate Findings to USDA Audiences
 - Facilitate meetings between APHIS staff and selected researchers
 - ERS to publish issue papers
 - Interagency Workshop, APHIS and ERS, Nov. 2008
- Publicize Results
 - Post selected cooperator reports on website
 - Convene sessions at conferences, workshops and meetings
- Consult USDA stakeholders to develop future PREISM research priorities

