Research, Education, and Economics Information System
An Introduction

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Agenda

- What is REEIS?
  - What does it do?
  - Why would I use it?
  - Who can use it?
  - What data is in it?
  - How do I get to it?
  - How is it organized?
  - Who is responsible for building it?
  - Who do I contact about it?

- What’s in the future?
  - Data marts
  - User driven delivery
  - User interface improvements
  - Demonstration
What is REEIS?
Description

- A source of data:
  - REEIS collects, consolidates, and stores data about research, education and extension efforts conducted by USDA and its partner institutions.

- With user-friendly analysis tools included:
  - Tabular reports with drill up and drill down capability and drop down lists to select parameters.
  - Graphical reports.
  - Data downloads.
  - Text search.

- That is readily accessible:
  - Available to everyone through the Internet.
Uses

- Better enable analysis, management, and evaluation of USDA supported programs, projects, and activities
  - How has enrollment in EFNEP affected Head Start enrollment?
  - What is the trend in the number of students awarded degrees in Agricultural Economics?
  - What is the reported level of expenditure for each National Goal in 2000 vs. 2001?
- Provide a means for data retrieval across programs
Target Users

- National Program Leaders
- Program analysts
- Partners in research, education, and extension efforts
- The Public
REEIS Consolidation

Data Sources
- Ag Census (NASS)
- Internet Links (U.S. Govt. Websites)
- FAEIS (CSREES)
- U.S. Census (Census Bureau)
- Patents and Citations (PTO)
- Website Content (USDA & Agencies)
- Survey of Earned Doctorates (NSF)

Internet Links (U.S. Govt. Websites)
- Extension Plan of Work and Reports (CSREES)
- Impact Reports (CSREES)
- CRIS (CSREES)
- Website Content (USDA & Agencies)
- Survey of Earned Doctorates

Data Marts
- Concept Search
  - CRIS
  - Extension POWs and Reports
  - Impact Reports
  - Patents and Citations
  - USDA Web Content
- AREERA
- CRIS
- EFNEP
- FAEIS
- FS-RBAIS
- Geography
- 4-H
- Survey of Earned Doctorates

Structured Data
- AgCensus
- CRIS
- FS-RBAIS
- U.S. Census

Unstructured Data
- 4-H
- U.S. Census

Data
- AREERA
- Concept Search
- CRIS
- EFNEP
- FAEIS
- FS-RBAIS
- Geography
- 4-H
- Survey of Earned Doctorates
Access

www.reeis.usda.gov
Access Through CSREES Website

www.csrees.usda.gov
Application Organization

- Program Areas (Research, Education, and Extension)
  - Vertical Dark Grey Navigation Bar on Left of Screen

- Structured Data (unshaded rectangular boxes at bottom of previous ‘Data’ chart)
  - ‘Reports’ on the horizontal navigation bar

- Documents/Unstructured Data (shaded rectangular boxes at the bottom of previous ‘Data’ chart)
  - ‘Document Search’ on the horizontal navigation bar

- Related Data Sources
  - ‘Related Links’ on the horizontal navigation bar
Program Area (Education)

Education

FAEIS
Food and Agricultural Education Information System (FAEIS) provides empirical information for use in planning and coordinating efforts, directed towards supporting higher education in the food, agricultural and natural resource sciences. Click here for FAEIS reports.

Geography
The Geography Data Mart provides a snapshot view of states and outlying areas by providing reports combining data from the Agricultural Census, CRIS, PS-884 and the U.S. Census, and by providing links to other websites with relevant information. The reports focus on research emphasis and expenditures from CRIS and add selected data from the other sources. Click here for Geography reports and links.

NSF/SED
National Science Foundation - The Survey of Earned Doctorates (SED) data that was obtained spans from 1964 to 1999. This data is
Program Area (Extension)

- Extension

**4-H**
4-H is the Cooperative Extension System's dynamic, research-based, non-formal educational program and organization for youth (5-19 years). 4-H stands for Head, Heart, Hands and Health. [Click here for 4-H reports.]

**AREERA**
The Agricultural Research, Extension, and Education Reform Act of 1998 (AREERA) amended the Smith-Lever Act, the Hatch Act, and the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (the funding authorities for Extension and Research activities) to require approved Plans of Work from Extension and Research in order to receive federal funding. [Click here for AREERA search]

**CYFAR**
Children, Youth, and Families at Risk Program is based on research on effective programs for at-risk youth and families and on the human ecological principle of working across the lifespan in the context of the family and community. [Click here for CYFAR reports.]
Program Area (Research)
Structured Data
Structured Data (Concluded)
Unstructured Data

The Research, Education, and Economics Information System (REEIS) is a source of information on the research, education and extension programs, projects and activities of the U.S. Department of Agriculture (USDA) and its partner institutions in the following areas:

- Food
- Agriculture
- Natural resources

It has been designed to serve all with an interest in research, education and extension efforts performed or financially supported by USDA. The ultimate objective of the system is to enable users to measure the impact and effectiveness of research, extension and education programs.

The Cooperative State Research, Education and Extension Service (CSREES), an agency in the Research, Education and Economics (REE) mission area of USDA, developed REEIS.
Unstructured Data (Concluded)
Related Data Sources
Help (Concluded)

To view a briefing describing REEIS, its purpose, and contents, click on the link REEIS Briefing (PPT; 1.39MB).

REEIS DATA

REEIS imports data from a number of sources, standardizes and aggregates it for effective reporting, and presents it to users through datasets where datasets are collections of data targeted to a specific purpose and/or audience. For example, the 4-H dataset is targeted for users interested in the 4-H program, the dataset combines data from the 4-H program and the U.S. Census, and includes links to related websites to give a picture of 4-H enrollment over time and the context of the U.S. population of students who could potentially be enrolled. For a graphical presentation of REEIS data sources imported into REEIS and REEIS datamarts, click on the link REEIS Data (PPT; 46 KB).

MODES OF DATA PRESENTATION

REEIS data is presented as:

1. Tabular Reports
2. Graphs
3. Unstructured Text
4. Links to Related Websites
Primary Points of Contact

- William J. (Bill) Bristow (Acting Project Manager)
  - bbristow@csrees.usda.gov
  - 202-690-1956
- Aunica Brockel (User Support)
  - abrockel@csrees.usda.gov
  - 202-401-0253
Data Mart Descriptions
Current Research Information System (CRIS) Data Mart

- The CRIS Data Mart delivers current research expenditure, principal investigator, and scientist years data. Specific functionality includes the following:
  - Semi-canned user reports (30 reports)
  - Drop down lists for choice of state, funding source category, funding source name, research problem area, institution, year, field of science, subject of investigation, performance goal, and agency service category
  - Annual data refresh
The EFNEP Data Mart delivers program benefit and impact data. Specific functionality includes the following:

- Semi-canned user reports (19 reports)
- Drop down lists for choice of year, state, and volunteer type
- Drill up / drill down capabilities (i.e., region → state)
- Annual data refresh
Food and Agricultural Education Information System (FAEIS) Data Mart

- The FAEIS Data Mart delivers university and college enrollment, degree, and faculty data. Specific functionality includes the following:
  - Semi-canned user reports (13 reports)
  - Drop down lists for choice of year, state, classification of instructional programs (CIP), and institution
  - ‘Student Degrees Awarded by Ethnicity over Time’ has embedded graph
  - Drill up / drill down capabilities (i.e., region → state)
  - Annual data refresh
The FS-RBAIS Data Mart delivers forestry research, budget, and publication data. Specific reporting functionality includes the following:

- Semi-canned user reports (14 reports)
- Drop down lists for choice of year, state, research topic, area, and station name
- Drill up / drill down capabilities (i.e., region \(\rightarrow\) state)
- Annual data refresh
The 4-H Data Mart delivers 4-H youth development enrollment data. Specific functionality includes the following:

- Semi-canned user reports (24 reports)
- Drop down lists for choice of year, state, region, curriculum category
- Drill up / drill down capabilities for some reports (i.e., region → state)
- All trend reports have graphs, ‘Census Data’ reports have graphs
- Annual data refresh
The Geography Data Mart delivers, by states and outlying areas, research project and expenditure summaries, research emphasis breakdown, and selected U. S. Census and agricultural census data. Specific functionality includes the following:

- Semi-canned user reports (3 reports)
- Links to the Economic Research Service (ERS) website for state fact sheets, and to CSREES state partner websites
- Drill down capabilities for research expenditures (i.e., from organization type to funding source)
- Data refresh varies with source
The Children, Youth, and Families at Risk Program (CYFAR) Data Mart delivers program content, delivery method and population data. Specific functionality includes the following:

- Semi-canned user reports (14 reports)

- Drop down lists for choice of year, state, recipient age group, location within state, program content, and delivery method

- Multiple select feature (4 of the 14 reports) allows users to select multiple choices from a drop down list

- Drill up / drill down capabilities (i.e., state → location in state)

- ‘Population Served by Age’, ‘Population Served by Race/Ethnicity and Year’, ‘Multi-Select Delivery Methods’, and ‘Multi-Select Program Contents’ reports have embedded graphs


- Annual data refresh
The AREERA Data Mart provides access to research and extension Plans of Work and Accomplishment Reports. Specific functionality includes the following:

- Viewing files that contain the text of documents in PDF format
- Drop down lists for choice of year and state, and a check box to include Plans of Work, and/or Accomplishment Reports in the list of viewable documents
- Search of AREERA documents using Concept Search
- Annual data refresh