

41. Progress Report: (3200 characters and spaces)

FAEIS has been in existence for nearly 30 years, first, as a paper-based system beginning in 1983 at Texas A&M, and currently as a web-based system upon Virginia Tech's award of the FAEIS contract in 2002. The primary function of FAEIS is to compile nationwide higher education data for agriculture, natural resources, family and consumer/human sciences, veterinary medicine and other related disciplines. These data include undergraduate and graduate student enrollment, degrees awarded at all degree levels, placement and faculty numbers and salaries by rank and discipline. The above data is also disaggregated by gender and ethnicity. FAEIS evolved over time as additional needs arose by the funding agency, USDA-NIFA, and other stakeholders (e.g., 1862, 1890 and 1994 Land-Grants, HSI, FALCON, APLU, CAFCS, BOHS, SAF – See section 43 for list of abbreviations). As stated in the final year of the 2008 – 2011 contract, NIFA added data quality assurance items. As such, this progress report reflects this shift in emphasis on data verification and validation.

1. **FAEIS WEB SITE:** The FAEIS team maintains over 4,000 individual html pages, PDFs, spreadsheets, and images on the FAEIS web site. From July 2010 to August 2011, the FAEIS public website (<http://faeis.usda.gov>) received 85,389 page hits from 9,570 unique visitors.
2. **CUSTOMIZED REPORT BUILDER REQUESTS:** The FAEIS Help Desk team has responded to requests for customized reports, including requests from **USDA Undersecretary of Agriculture for Research, Education, and Economics Dr. Katherine Woteki's** office, USDA-NIFA and academic deans. Since July 2010, FAEIS users logged in 518 report builder sessions and generated 4,798 reports.
3. **FAEIS STATISTICS EXPERT PANEL:** The Statistics Expert Panel was created in 2011 to provide the FAEIS team feedback on its database. In its closing comments to the FAEIS team the panel deemed FAEIS "unique, reliable and important." The subsequent June 2011 final report provided the FAEIS team with a list of recommendations which are currently being addressed.
4. **DATA QUALITY:** Data accuracy is of utmost importance for FAEIS and USDA-NIFA. The FAEIS team developed a data quality assurance protocol where institutions' data are examined for the 2004-2010 reporting years and verified for accuracy. Validating all majors by program area for each institution has been an enormous ongoing endeavor requiring approximately 2,500 person-hours and the efforts of four graduate research assistants. Specifically, verifying data over the past seven years, for over 70 Land-Grant colleges – both 1862 and 1890, each with approximately 20 agriculture majors (CIP codes), has the potential of verifying 10,000 data points. Additionally, student data was verified by degree level, gender and ethnicity.
5. **LAND-GRANT INSTITUTIONS:** Data verification and participation in the FAEIS student surveys by Land-Grant Colleges of Agriculture is at 97% for the years 2004-2009, with 100% expected completion for the 2010 student surveys.
6. **STAKEHOLDER ORGANIZATIONS:** Participation in the FAEIS database is consistently around 95% for higher education institutions in our stakeholder organizations – Association of Public and Land-

Grant Universities – Academic Programs Section (APLU-APS); American Association of State Colleges of Agriculture and Renewable Resources (AASCARR); Board on Human Sciences (BOHS); Society of American Foresters (SAF); National Association of University Forest Resources Programs (NAUFRP).

7. COLLEGE ENROLLMENT SURVEY: The college enrollment survey was conducted for the fifth year with participation from 143 higher education institutions and 152 individual colleges and departments, with over 240,000 undergraduate and graduate students enrolled. Results are published online and shared with APLU and the USDA. (<http://faeis.ag.vt.edu/REPORTS.cfm?S=1&R=12>).
8. FAEIS PEER PANEL ENGAGED: The FAEIS Peer Panel has been an integral part of the FAEIS project since 2002 with annual advisory meetings to benefit FAEIS users. The panel met following the APLU 2010 meeting with the largest number of stakeholders ever represented, including first-time representatives from FALCON, HSI, 1994 Land-Grants, who joined returning panel members representing USDA-NIFA, 1890 and 1862 Land-Grants, APLU, AASCARR, BOHS, CAFCS, NAUFRP, and SAF.

Similar to the endorsement from the academic deans in APLU-APS,
[HTTP://WWW.FAEIS.AHNRIT.VT.EDU/DOCUMENTS/SUPPORT LETTERS/APS-FAEIS.PDF](http://www.faeis.ahnrit.vt.edu/documents/support_letters/aps-faeis.pdf)

the peer panel adopted a resolution in support of FAEIS and future funding.
[HTTP://WWW.FAEIS.AHNRIT.VT.EDU/DOCUMENTS/SUPPORT LETTERS/KINUCAN_PEERPANEL.PDF](http://www.faeis.ahnrit.vt.edu/documents/support_letters/kinucan_peerpanel.pdf)

9. PUBLIC ACCESS TO FAEIS DATA: As recommended in the final report from the Statistics Expert Panel, web sites have been added to FAEIS to allow public access to student survey data (<http://faeis.ag.vt.edu/FAEISPUB1.cfm>) and reports (<http://faeis.ag.vt.edu/faeistr.cfm>).
10. STAKEHOLDER PRESENTATIONS: Effective stakeholder participation in FAEIS is based on good relationships between stakeholders and the FAEIS team. Our outreach efforts seek to foster these relationships. FAEIS team members made presentations to our funding sponsor, USDA-NIFA, and at annual conferences of our partnering organizations: APLU Academic Programs Section, APLU Academic Summit, AASCARR, First Americans Land-Grant College Organization and Network (FALCON), the Hispanic Association of Colleges and Universities (HACU), NAUFRP, SAF and the North American Colleges and Teachers of Agriculture (NACTA).
11. FAEIS NEWSLETTERS: SINCE JULY 2009, 20 FAEIS newsletters have been developed. In this reporting period, seven FAEIS newsletters were created and emailed to over 1,400 FAEIS users, including one special edition highlighting Hispanic-Serving Institutions (HSI).
12. FAEIS POSTERS AND PUBLICATIONS: Scholarly output from the FAEIS team included one peer-reviewed NACTA article and five conference presentations and posters. Accompanying abstracts were published in conference proceedings.
13. NEWS MEDIA COVERAGE OF FAEIS: Additionally, the FAEIS project and FAEIS data were featured in one article written by the Associated Press and published in USA Today, two articles written by

Farm World, and a national radio news story and podcast on This Week in Agriculture.
(<http://www.faeis.ahnrit.vt.edu/presentations.shtml>)

14. INTERNATIONAL PROGRAMS' DATABASE: The FAEIS international database includes research and extension projects, as well as study abroad programs. The 161 participating institutions documented over 396 projects in 156 countries.

43. Publications:

FAEIS NEWSLETTERS (JULY 2010- JUNE 2011):

Changes to Degree Programs in 2010, February 23, 2011, Hightower, L., K. Griffin, E. Smith, M.A. Marchant, W. Richardson, E. Vance, A. Bell, T. Mack, Y. Shen, & J. Hamm.

Using FAEIS Reports to Create Grant Proposals, December 13, 2010, Hightower, L., T. Mack, W. Richardson, M.A. Marchant, J. Hamm, E. Smith, E. Vance, A. Bell, K. Griffin, & Y. Shen.

FAEIS Peer Panel Convenes at APLU Meeting, October 31, 2010, Hightower, L., A. Bell, M.A. Marchant, W. Richardson, E. Smith, E. Vance, J. Hamm, T. Mack, K. Griffin, & Y. Shen.

Special Edition: Hispanic-Serving Institutions, September 16, 2010, Hightower, L., W. Richardson, M.A. Marchant, E. Smith, E. Vance, T. Mack, A. Bell, K. Griffin, Y. Shen, & J. Hamm.

2010 Surveys Begin Soon, September 16, 2010, Hightower, L., W. Richardson, M.A. Marchant, J. Hamm, E. Smith, E. Vance, T. Mack, A. Bell, K. Griffin, & Y. Shen.

A Look at Bachelors Degrees Awarded by Program Area and Region, August 23, 2010, Hightower, L., W. Richardson, J. Hamm, M.A. Marchant, E. Smith, E. Vance, T. Mack, A. Bell, K. Griffin, & Y. Shen.

Exploring Agriculture Enrollment by Race and Institution Type, July 19, 2010, Hightower, L., W. Richardson, J. Hamm, M.A. Marchant, E. Smith, E. Vance, T. Mack, A. Bell, K. Griffin, & Y. Shen.

NEWS ARTICLES AND PODCAST:

What is the Food and Agricultural Education Information System?, Hamm, J., M.M. Marchant, J. Blue, This Week in Agriculture, March 2011. (<http://www.thisweekinag.com/audio/this-week-in-ag-0034-what-food-and-agricultural-education-information-system>)

College Enrollment Attests Interest in Ag is on the Rise, Mihaljevich, M.F., Farm World, October 27, 2010. (<http://www.farmworldonline.com/News/NewsArticle.asp?newsid=11348>)

More Women Driving College Ag Program Expansion, Mihaljevich, M.F., Farm World, October 27, 2010. (<http://www.farmworldonline.com/News/NewsArticle.asp?newsid=11349>)

Job Prospects Yield Large Crop of Students in Ag Schools, Mercer, D., USA Today, November 17, 2009. (http://www.usatoday.com/money/industries/food/2009-11-17-ag-jobs_N.htm)

REFEREED JOURNAL ARTICLE:

The USDA's Food and Agricultural Education Information System (FAEIS), Marchant, M.A., J. Hamm, T. Mack, J. Hunnings, W. Richardson, H. Sutphin, North American Colleges and Teachers of Agriculture (NACTA) Journal, December 2010. (<http://www.nactateachers.org/vol-54-num-4-dec-2010/387-the-usdas-food-and-agricultural-education-information-system-faeis.html>)

ADVISORY PANELS AND WORKBOOKS:

2010 FAEIS Peer Panel Annual Meeting, Marchant, M.A., W. Richardson, J. Hamm, T. Mack, E. Smith, E. Vance, L. Hightower, A. Bell, Y. Shen, & K. Griffin, Post-Workshop of The 2010 Association of Public and Land-Grant Universities (APLU) Conference, FAEIS Peer Panel Workbook (200+ pages), Dallas, TX., November 16-17, 2010. A 200+-page workbook was developed for the FAEIS Peer Panel members outlining the history, mission, goals, and accomplishments of FAEIS.

2011 FAEIS Statistics Expert Panel Inaugural Meeting, Marchant, M.A., W. Richardson, E. Smith, E. Vance, T. Mack, J. Hamm, Y. Shen, K. Griffin, L. Hightower, & A. Bell, FAEIS Statistics Expert Panel Workbook (200+ pages), Washington, D.C., April 8, 2011. A 200+-page workbook was developed for the FAEIS Statistics Panel members outlining the history, mission, goals, and accomplishments of FAEIS, as well as a review of the statistical procedures conducted by the FAEIS team for statistical verification and validation of 2004 – 2010 data.

ABSTRACTS/PRESENTATIONS:

Higher Education at Tribal Colleges in Life, Food, Veterinary, Natural Resources, and Agricultural Sciences, Hamm, J., L. Hightower, W. Richardson, M.A. Marchant, T. Mack, E. Smith, & E. Vance, 6th Annual First Americans Land-Grant Consortium (FALCON) Conference, Bloomington, MN., October 25, 2010.

The Food and Agricultural Education Information System (FAEIS), Richardson, W., The Society of American Foresters (SAF), 90th National Conference, Albuquerque, NM., October 28, 2010.

ABSTRACTS/POSTERS:

Engaging Students Through International Experiences to Expand Diverse Perspectives,

Hightower, L., A. Bell, K. Griffin, Y. Shen, W. Richardson, M.A. Marchant, E. Smith, E. Vance, J. Hamm, & T. Mack, 2011 North American Colleges and Teachers of Agriculture (NACTA) Annual Conference, Edmonton, Canada, June 15, 2011. This poster was also presented at the 2011 APLU-National Academic Programs Summit: Creating Change – Curricula Reform for a 21st Century Education, Indianapolis, IN., August 3-5, 2011.

Studying Agriculture Internationally: Tracking International Study Abroad Projects,

Hightower, L., K. Griffin, Y. Shen, M.A. Marchant, E. Smith, E. Vance, W. Richardson, A. Bell, J. Hamm, & T. Mack, Virginia Tech's 3rd Annual Conference on Higher Education Pedagogy, Blacksburg, VA., February 4, 2011.

Enter the Products of the project.

FAEIS WEB SITE: See section 41.

FAEIS NEWSLETTERS: See section 41.

NEWS MEDIA COVERAGE OF FAEIS: See section 41.

APLU ASSESSMENT: The FAEIS Fall College Survey provides APLU an accurate base for dues assessment and collection from Land-Grant colleges and universities.

BROCHURE: This tri-fold, color, glossy brochure summarizes the purpose and goals of the FAEIS program. (http://www.faeis.ahnrit.vt.edu/documents/handouts/2011_FAEIS_brochure.pdf).

PRESENTATIONS: FAEIS Team and Peer Panel members have given presentations at the following conferences/meetings: AASCARR, CAFCS, APLU-Academic Programs Section, APLU-APS Academic Summit conference, NACTA, FALCON, SAF, NAUFRP, and HACU.

STATISTICS EXPERT PANEL AND PEER PANEL WORKBOOKS: See section 43.

INTERNATIONAL PROGRAMS' DATABASE: One-hundred and sixty-one (161) institutions and 396 projects in 156 countries are included in the International Programs' database.

Enter the Outcomes of the project.

FAEIS compiles nationwide higher education data for agriculture, natural resources, family and consumer sciences/human sciences, veterinary medicine and other related disciplines. The data include undergraduate and graduate student enrollment, degrees awarded at all degree levels, placement at all degree levels, and faculty numbers and salaries by rank and disciplines. The above data is also disaggregated by gender and ethnicity.

Student Surveys

- 2010 Undergraduate Enrollment – 222,755 students (173 institutions);
- 2010 Graduate Student Enrollment – 49,751 students (146 institutions);
- 2009-2010 Degrees Awarded – 47,775 students (160 institutions);
- 2009-2010 Placement – 10,414 Baccalaureates, 1,222 Masters Graduates, 455 Doctoral Graduates totaling 12,091 students (43 institutions).

College Enrollment Survey – 242,040 undergraduate and graduate students from 152 individual colleges at 143 higher education institutions

Faculty Surveys – 8,154 Faculty (110 Institutions)

Partnering Organizations - As of September 1, 2011, the number of institutions participating by partnering organizations for 2010-2011 includes

- Association of Public and Land-Grant Universities (APLU) – 73 of 109 or 67%
 - 1862 Land-Grants– 54 of 59 or 92% (100% expected),
Note: three do not have agriculture programs
 - 1890 Land-Grants – 13 of 18 or 72% (100% expected)
 - 1994 Land-Grants –6 of 32 or 19%
- American Association of State Colleges of Agriculture and Renewable Resources (AASCARR) – 34 of 45 or 76%
- Board on Human Sciences (BOHS)– 46 of 51 or 90%
- Council of Administrators of Family and Consumer Sciences (CAFCS) – 109 of 152 or 72%
- First Americans Land-Grant Consortium (FALCON) – 6 of 32 or 19%
- Hispanic-Serving Agricultural Colleges and Universities (HSACU) – 6 of 57 or 11%
- National Association of University Forest Resources Programs (NAUFRP) – 63 of 67 or 94%
- Non-Land-Grant Colleges of Agriculture (NLGCA) – 40 of 68 or 59%
- Society of American Foresters (SAF) – 48 of 50 or 96%
- American Association of Veterinary Medicine Colleges (AAVMC) – 27 of 27 or 100%

Enter the Dissemination Activities of the project.

CONFERENCE PRESENTATIONS: See sections 41 and 43.

FAEIS NEWSLETTERS: SINCE JULY 2010, the FAEIS team has published seven newsletters, including a special edition on Hispanic-Serving Institutions (HSI). The newsletters have been redesigned to become more graphically dynamic, and feature an overview of one of the FAEIS partnering institutions. The newsletters also include a tutorial on developing effective reports from FAEIS data, Q & A from the Help Desk, and a welcome from a FAEIS principal investigator.

NEWS STORIES AND PODCASTS: See section 43.

Enter the Future Initiatives of the project.

Future efforts will continue to focus on FAEIS data verification and validation. Efforts will also center on implementing the recommendations of the FAEIS Peer Panel and the FAEIS Statistics Expert Panel.

The FAEIS team will continue to raise the awareness of the project and build upon good working relationships with stakeholders through multimedia outreach and presentations at end user conferences.

Enter the Impacts of the project. (1600 characters and spaces)

FAEIS provides a national repository for data on student enrollment, degrees awarded, faculty counts and salaries, placement, and international programs. These data are collected from nearly 200 higher education institutions with departments and colleges focused on agriculture, natural resources, family and consumer sciences/human sciences, veterinary medicine, and other related disciplines. FAEIS data are used by staff from the USDA Undersecretary of Agriculture for Research, Education, and Economics, Dr. Katherine Woteki 's office, and Congressional offices to write legislation for inclusion in Congressional bills and program guidelines. Higher education administrators also use FAEIS data for recruiting and benchmarking students and faculty, as well as institutional planning, and regional and national comparisons. FAEIS data has been widely accessed through the public FAEIS web site (<http://faeis.usda.gov>) as indicated by the 85,389 page visits from 9,570 unique visitors to the web site in this reporting period alone.

Data quality assurance measures continue to ensure that FAEIS data accurately reflect student and faculty information for higher education institutions and their departments and colleges within the FAEIS program areas. To that effort, more than 2,500 person hours have been devoted by four graduate research students to examine FAEIS data for the 2004 – 2010 reporting years for over 70 Land-Grant institutions. As of July 2011, data verification and participation in the FAEIS student surveys by Land-Grant Colleges of Agriculture is at 97% for the years 2004-2009, with 100% expected completion for the 2010 student surveys.