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ADAP Introduction

The Agricultural Development in the American Pacific (ADAP) Project was formally organized by the five directors of the Land Grant institutions in Hawaii and the United States-affiliated Pacific Islands (USAPI) in 1988, with the deans/directors of the Land Grant institutions serving as the board of directors. The purpose of ADAP is to strengthen existing Land Grant programs by sharing and focusing resources on priority areas of common concern and interest. Priority areas are often unique to the Pacific region, having to do with tropical/subtropical island agriculture and cultural practices. Due to the unique natural and human resource base of the Pacific island agro-ecosystems, it is often not possible or appropriate to transfer results from temperate zone agricultural research, and materials for extension and teaching used by continental US Land Grant programs. ADAP supports applied research within the region, and the development of effective extension materials that are culturally appropriate. With these goals in mind, ADAP strives toward excellence:

ADAP Vision: ADAP enables sustainable environments, diverse economies, and strong communities.

ADAP Mission: ADAP advances the viability and security of Pacific Island agriculture and communities through collaborative programs that are culturally appropriate, socially acceptable, and economically viable and environmentally sustainable.

Participating institutions are American Samoa Community College, College of Micronesia, Northern Marianas College, University of Guam, and University of Hawai'i.

ADAP Funding Levels

ADAP Year	Fiscal Year	Actual ADAP Budget	Annual Change (Rescission)
Year 10	FY1997	\$533,403	
Year 11	FY1998	\$533,403	0.00%
Year 12	FY1999	\$527,904	-1.03%
Year 13	FY2000	\$527,904	0.00%
Year 14	FY2001	\$526,743	-0.22%
Year 15	FY2002	\$516,672	-1.91%
Year 16	FY2003	\$513,314	-0.65%
Year 17	FY2004	\$458,725	-10.63%
Year 18	FY2005	\$454,971	-0.82%
Year 19	FY2006	\$450,347	-1.02%
Year 20	FY2007	\$0	
Year 21	FY2008	\$345,950	-23.18% from Yr19

Management Services Project

Core Project

Project Coordination Team: ADAP Project Manager and Regional Coordinators

Funding Allocations and Expenses:

Year 17	\$216,535
Year 18	\$215,781
Year 19	\$234,056
Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

Administrative services and program support are essential for planning and implementing ADAP activities for the five Land Grant institutions to collaborate on research, extension and training activities. Management Services is the primary means of collaboration for the ADAP Project.

Management Services includes the Home Office staff (project manager, coordinator and educational media specialist) based at the University of Hawaii with regional coordinators at each ADAP institution. The Home Office is responsible for organizing, planning, coordinating and providing overall support services for the ADAP project. They administer the USDA grant through the Research Corporation of the University of Hawaii (RCUH). Funds are allocated to the ADAP institutions in accordance with the plans of work, but distributed on a cost reimbursement basis. The Home Office maintains a fiscal system consistent with the needs of participating fiscal institutions, RCUH and USDA. Home Office staff prepares technical and administrative reports that promote the functions and accomplishments of ADAP. The Home Office provides administrative support for all UH-based ADAP projects. The regional coordinators are the link for the Home Office to communicate with the ADAP directors and project personnel throughout the region. Regional coordinators also provide support services to the project principal investigators and cooperators.

Management services is responsible for organizing the semi-annual ADAP board of directors meetings, at which the ADAP directors, project manager and coordinators plan, organize and make policy decisions for the project. They also maintain collaborative ties with other agencies.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

American Samoa Community College (ASCC)

- Monitored fiscal reports of project expenditures and improved administrative support for ADAP core projects.

College of Micronesia (COM)

- Continuation with the implementation of the COM POW activity reporting system in connection with the ADAP reporting system.
- Continue facilitation of Robert Jackson's enrollment in the SDSU online Masters Degree program.
- Mark Kostka arrived back at his workstation in Pohnpei after successful completion of his study at UH-Hilo.

Northern Marianas College (NMC)

- Coordinated and monitored the 2007 ADAP Summer Internship program, which was held from July 16-August 4. A total of 16 students participated in the program.
- Continue to monitor ADAP projects.

University of Guam (UOG)

- Funds were used to pay per diem for Dr. Lee Yudin for two days he spent at the UH campus, November 15-16, 2007, wherein he met with ADAP Home Office staff and other UH officials for the purpose of obtaining information on department chairs and union contracts.
- Balance Summary and Request for Reimbursement Reports were prepared and submitted to the ADAP Home office in a timely manner.

University of Hawaii (UH)

- The Home Office maintained financial records and processed payments for the collaborating institutions.
- The Home Office provided administrative support to our collaborators and colleagues. Additionally, Vanessa Troegner (25% FTE) and Sharee Pepper (25% FTE) have been receiving financial support from the Agribusiness Incubator Program, thus reducing the salary/fringe expenses within the Home Office. Dennis Miyahara has been receiving financial support (50% FTE) from many diverse projects within CTAHR for website design and video work. Jim has received support from the Center on the Family (\$5000).
- We have been working on convert the ADAP videos to DVD and add menus, and chapter makers to make the DVDs more current.
- We have extensively reviewed and tested the Pacific Reporting and Accountability Database. We are currently preparing an instruction manual for distribution to the participating institutions.
- The ADAP website (<http://www.ctahr.hawaii.edu/adap2/>), the Pacific Region Avian Influenza website (http://www.ctahr.hawaii.edu/adap2/Avian_Flu/index.htm) and the Pacific Islands Networking website (http://www.ctahr.hawaii.edu/adap2/Pacific_Initiative/index.htm) were updated periodically. Links to the Pacific Region Avian Influenza website can be found under Training Resources of the Pacific Agrosecurity Program (<http://www.pacific-agrosecurity.org/>).

IMPACT OF THE PROJECT TO DECEMBER 2007

American Samoa Community College (ASCC) improved office efficiency and communications.

College of Micronesia (COM) staff had gained additional knowledge in the implementation of the COM POW activity reports and the CSREES web based POW and reporting system.

At University of Guam (UOG), administrative support is provided to assure that all fiscal and project reports are prepared and submitted as well as general correspondence. The ADAP Coordinator works closely with CNAS Accountant to monitor the expenditure of funds and that the expenditures are in compliance with project objectives.

At University of Hawaii (UH), Home Office services have worked to improve the efficiency of the project management, updated older ADAP products, and made information more accessible by updating the ADAP website.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

At American Samoa Community College (ASCC), we plan to continue to support and promote agricultural (ADAP) programs in American Samoa.

At the College of Micronesia (COM), we will begin preparation of accomplishment reports for FY 2007 due at CSREES April 1, 2008. Also, COM staff will begin making arrangements for the Directors meeting in Saipan and the regional EFNEP meeting in Hawaii in January 2008.

At University of Guam (UOG), we will continue to work with ADAP institutions and Home office staff towards the formation of the Pacific Land Grant Alliance (PGLA).

At University of Hawaii (UH), all funds within this project are encumbered in support of services to June 30, 2008. We continue to monitor the budget, communicate with the USDA, update the sub-contracts with the ADAP collaborators, and work to update older ADAP products with new technologies, or new information. We are working to develop instruction manuals and training materials for the new (or expanded) ADAP products (such as the PARS database). We will continue to update and evolve the ADAP website to create a vital communication link between our many products.

Human Resources & Capacity Building Project

Core Project

Project Coordination Team: ADAP Project Manager and Regional Coordinators

Funding Allocations and Expenses:

Year 17	\$60,000
Year 18	\$60,000
Year 19	\$80,000
Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The American Pacific Land Grant institutions and government agencies want to increase their levels of trained and competent staff in order to enhance the institution and government services and to advance local agricultural development (or its allied fields). One way to help increase the number of qualified employees is to provide high school and college students, i.e. potential future employees, and current government or ADAP institution employees, with the opportunity to compete for educational scholarships. ADAP has developed programs targeted at different stages of educational development. The funds are available to all Pacific Land Grants except University of Hawaii. The titles of the three educational scholarship programs are:

Financial Assistance for an Extension/ Research High School Apprenticeship Program

Justification: Low enrollment in agriculture and home economics classes in ADAP region high schools continues to deprive ADAP countries of future employees who are knowledgeable in these areas. A cursory survey of students reveals a lack of awareness of the educational opportunities and careers available in agriculture, home economics, and related fields.

Financial Assistance for attending a 2- or 4-Year College or an Accredited Virtual University Program

Justification: Local college scholarships are limited and awards are typically based on prioritized field of studies. At the present time, agriculture and home economics are not priority fields in most ADAP countries. Financial assistance can be used for U.S. or foreign institutions, but students going to Land Grant colleges are given preference. On-line or virtual degree programs are also considered for this assistance.

Financial Assistance for an Advanced Degree Studies Program

Justification: Land Grant staff is limited in the ability to expand or strengthen programs and to advance professionally. ADAP scholarships for advanced degrees are made available to meet this need. Financial assistance can be used for U.S. or foreign institutions, but students going to Land Grant colleges are given preference. On-line or virtual degree programs are also considered for this assistance.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

American Samoa Community College (ASCC)

The Agriculture and Life Science (ALS) Department of the American Samoa Community College did not have a graduate during the ASCC Fall 2007 graduation that was held on Friday, December 14, 2007. There are five additional ALS majors that registered during the ASCC pre-registration for Spring '08 semester. All of the five students were transfer majors from the Liberal Arts department to the Family and Consumer Science ALS major.

College of Micronesia (COM)

COM has continued support for scholar Robert Jackson with the SDSU online Masters Degree program and reports the successful completion of scholar Mark Kostka's study at UH-Hilo, toward a degree in ____.

Northern Marianas College (NMC)

Unfortunately, due to the increase of tuition, enrollment for the Spring and Summer semesters has decreased. Enrollment within the college's NRM program and the number of ADAP recipients has decreased. ADAP continues to fund 3 students: Barnaby Lizama pursuing an AA in NRM; Patricia Coleman, staff pursuing BA in Education; and Lawrence Duponcheel, staff pursuing MA.

University of Guam (UOG)

No monies were expended in this project as those individuals who are currently being provided financial assistance in their pursuit of a degree did not take any classes during this reporting period. Additionally, \$6,400 was reallocated from UOG's HRCB to UH's Management Service in support of continued UH-ADAP Home Office services.

IMPACT OF THE PROJECT TO DECEMBER 2007

The impact of this project is an increased student enrollment and course offerings in the Agriculture & Life Science degree program at the American Samoa Community College.

At the College of Micronesia (COM), the staff had gained new leadership knowledge and skills in program planning, implementation and evaluation.

At NMC, although recipients have decreased this past semester, the Capacity Building project has greatly supported the on-going recipients.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

During the next six month, American Samoa Community College (ASCC) will continue to recruit students in the ALS degree programs and increase student enrollment and course offerings. In addition, we will follow up on the status of former ASCC ADAP scholars that went on to further education off island.

College of Micronesia (COM) will continue to provide support for Robert Jackson and provide enticement for other staff to further their education.

Northern Marianas College will continue to encourage and support staff and qualified students to pursue higher education in NRM and place advertisements in several magazines to promote CREES-ADAP projects.

At University of Guam (UOG), we will continue to provide financial assistance to those staff currently in the program and possibly offer it to other staff who may be interested in pursuing a degree that falls in line with the objectives of this project.

Enrichment Opportunities Project

Core Project

Project Coordination Team: ADAP Project Manager and Regional Coordinators

Funding Allocations and Expenses:

Year 17	\$35,000
Year 18	\$35,000
Year 19	\$55,000
Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The ADAP Enrichment Opportunity Project fills the need to increase institutional and governmental capability and credibility for regional agricultural development. Oftentimes, new initiatives must be implemented which usually require new guidelines and new regulations. There is a continuing need to provide staff development or training opportunities to enhance the productivity and efficiency of appropriate institutional and governmental employees. The successful transfer and adoption of knowledge will enhance the productivity and efficiency of those employees. To strengthen, improve and increase their skills, the land-grant directors need discretionary training funds to expand ADAP-sponsored activities or have staff and government employees partake in professional development or training activities.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

ASCC has nothing to report for this period.

COM has nothing to report for this period.

NMC has nothing to report for this period.

At the University of Guam, project funds supported the 2007 Summer Research Apprenticeship Program. This is our program where we employ high school students to work alongside our research scientists assisting them with ongoing research projects either in a laboratory environment, fieldwork, or a combination of the two. They may also be assigned to work with an extension agent under our Cooperative Extension Service assisting in any number of extension service projects and activities. This summer's program ran for a period of five weeks from June 25 – July 27, 2007. From about thirty applications received, ten students were selected to participate in the program. Five were funded under the Enrichment Opportunities Project and the other five were funded by the Resident Instruction Grant awarded to the CariPac Consortium wherein monies were allocated to provide for Student Assistantship/Support to recruit, train and employ high school students to work with our agriculture and food scientists. Students had the opportunity to participate in research and extension projects in the fields of aquaculture, ornamental horticulture, biology, agricultural engineering, and 4-H summer youth activities.

At the University of Hawaii, Sharee Pepper has drafted a training document to address the issue of understanding, measuring and reporting project impact. Vanessa Troegner will be adding graphics and preparing the document for the web. The final product will be loaded on the Pacific Accountability and Reporting System (PARS) database to teach individuals what kind of impact to measure, and report. ADAP's support of Sharee's salary and fringe ended on August 15, 2007.

Also, although the training opportunity for the deans and directors in Washington, DC, was held as previously reported, Dr. Terry Nipp declined payment on his contract. He was not

able to complete the workshop materials as required in our contract with him. We will need to reallocate the \$4634 encumbered within the contract for Dr. Nipp.

Remaining UH-EO funds (\$6500) were reallocated to the Leadership Development Project to fund a UH participant to the University of Georgia's Leadership Development in the 21st Century Program.

IMPACT OF THE PROJECT TO DECEMBER 2007

At UOG, the Summer Research Apprenticeship Program provides a valuable opportunity to high school students who are entering their junior or senior year, and thinking about what field of study they would like to pursue in college. Our program hopes to attract at least one, if not more, to consider the field of agriculture, consumer and family sciences, or a related field.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

ASCC has encumbered these funds for leadership development training activities in Spring 2008, as described in the Leadership Development Project description.

COM has no activities planned for this program.

UOG plans to continue to offer the research apprenticeship program next summer provided that funding is made available.

At NMC, the ADAP Coordinator is organizing a CREES Retreat scheduled for September. The retreat will offer mini workshops on Time Management, Team Building , Communication and Leadership Training

At UH, all funds are expended.

The ADAP Board of Directors needs to reallocate the \$4634 in funds previously encumbered within the contract with Dr. Terry Nipp.

Leadership Development Opportunities

Core Project

Project Coordination Team: ADAP Project Manager and Regional Coordinators

Funding Allocations and Expenses:

Year 17	\$34,000
Year 18	\$78,075
Year 19	\$50,000
Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The establishment of the Pacific Land Grants, especially American Samoa Community College, College of Micronesia, Northern Marianas College, and the University of Guam, has been critically important to these small but growing regions of the Pacific. One of the areas that are often overlooked in building such an institution from the ground-up is the consistent development of leadership qualities within the staff. Without such skills, these institutions, including the College of Tropical Agriculture and Human Resources at the University of Hawai'i, will not make the organizational strides required by their clients.

At the January 2006, ADAP Board of Directors meeting, the board voted to allow each institution the opportunity to use project funding for either the Leadership Development in the 21st Century (LEAD21) classes, or to use the same funding for specific leadership development activities. The Board of Directors requested that each institution either submit the name of their LEAD21 participant, or a description of the individualized leadership development programs.

The LEAD21 Program is the most recent evolution of the ESCOP/ACOP Leadership course. LEAD21 was developed by the Fanning Institute at the University of Georgia. The current program has three sessions conducted over the course of one year. All sessions are held in the continental US, which incurs a heavy burden for travelers from the Pacific region, in terms of time and expense.

At the July 2006, ADAP Board of Directors meeting, the board voted to reduce the funding for leadership develop to \$10,000 per institution. The following guideline for leadership funding was adopted: Funding from Leadership Development cannot be allocated to other purposes, but the Leadership Development project can receive additional allocation from other project funds.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

American Samoa Community College (ASCC)

The leadership development training that was scheduled for Fall 2007 was postponed to Spring 2008. We have developed a draft curriculum and a set of panels which include leadership training programs on "Culture in Management", "Women in Management" and "Youth in Management". An additional financial training program will also be conducted on February 2008.

College of Micronesia (COM)

No progress to report.

Northern Marianas College (NMC)

No progress to report.

University of Guam (UOG)

UOG did not send a candidate to the current LEAD21 Class or any other leadership development program.

University of Hawaii (UH)

This year, UH-ADAP contributed \$8000, for the registration fee for Dr. Ray Uchida's participation in the 2007-2008 class. Dr. Uchida is the Oahu County Administrator for the Extension services. Dr. Uchida will graduate the leadership program in February 2008.

Mr. Uchida found the LEAD21 class to be a benefit for him. During his program, he learned new strategies for interpersonal communication and mediation, which improved his working relationships with his staff, and his colleagues. The program motivated Dr. Uchida to implement changes (and improvements) within his program and within the college. Unfortunately, he has encountered resistance to change from the college's faculty and staff. In order to better motivate the college's faculty and staff to implement change, he would recommend leadership opportunities that include having a local management consultant conduct a class on campus monthly

Next year, UH will be sending Dr. Dulal Borthakur, Prof/Grad Chair of Molecular Biosciences and BioEngineering department, to the LEAD21 course for the 2008-2009 class. ADAP will be contributing \$8500 for the registration fee. Dr. Borthakur will attend his first session in April 2008. The dean will be contributing funds for Dr. Borthakur's travel to/from the conference.

IMPACT OF THE PROJECT TO DECEMBER 2007

Within ASCC, the local leadership development training workshops are very popular, and conducted with the support of the dean of the land grant, and the president of the college.

Within UH, the dean continues to support the participation of a faculty member in the Leadership Development in the 21st Century program by providing travel expenses for each participant.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

ASCC will offer a leadership training opportunity in Spring 2008. COM has no plans to offer additional leadership opportunities. UH will support the participation of Dr. Dulal Borthakur in the LEAD21 Program.

UOG will continue to look for alternative, local, leadership development programs available to us and within our budget means.

At UH, all funds are encumbered in support of Dr. Borthakur's participation in the LEAD21 program.

Communications, Information and Publications Services Project

Core Project

Project Coordination Team: ADAP Project Manager and Regional Coordinators, and Eileen Herring (UH Hamilton Library)

Funding Allocations and Expenses:

Year 17	\$63,190
Year 18	\$20,730
Year 19	\$20,030
Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The ADAP Communications, Information and Publications Service (CIPS) project was created to coordinate and address the information needs of the ADAP institutions, communities and clientele on a regional basis. This project will help provide and make accessible, appropriate information and materials that will benefit the American Pacific region and encourage economic and agricultural sustainability. As a result of more open and immediate access to information, duplication of work in the region will be reduced, leading to more efficient use of fiscal and human resources. The increased utilization of electronic communication capabilities can greatly reduce travel costs for various meetings, training, and workshops.

The Library Services Project is a small UH-based project under the CIPS umbrella. The libraries of the Pacific Land grants do not have the library resources (both hardcopy, and electronic) that the University of Hawaii has. The Library Services Project provides one-on-one assistance in retrieving research journals articles, and books. These services allow researchers across the Pacific access to current studies in their field, providing strong groundwork for research and extension projects. Also within CIPS, Ms. Eileen Herring maintains the Traditional Pacific Island Crops Website contains links to quality internet resources that deal with the production, marketing, and research aspects of these twelve important traditional Pacific Island crops. Related marketing and statistical sites, databases, and other reference sources are also included. The emphasis is on collecting full-text resources so that Pacific Islanders who have Web access but do not have access to library print resources can find the information they need to grow and market these crops. Each of the included resources has been identified and evaluated by Ms. Herring for the quality of their information and relevance to Pacific island agriculture.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

American Samoa Community College (ASCC) provided 40 copies of the ADAP publication, "Local Foods, Local Choices" to Ms. Lydia Tui, an elementary school health and physical education teacher in American Samoa.

College of Micronesia (COM) has no activities to report for this period.

At Northern Marianas College, CIPS funds were used for advertisement of CREES-ADAP projects in several magazines which include San Francisco De Borja/Rota Annual Agriculture Fair booklet. Additionally, NMC established an open account for printing of project brochures and pamphlets.

At UOG, since we did not have any specific plans for use of the funds in this project, the entire amount allocated was transferred to the UH CIPS project in support of continued services.

At UH, the Library Services Project provided 85 full-text articles, and performed one resources search in support of Pacific region researchers, details are listed below.

IMPACT OF THE PROJECT TO DECEMBER 2007

American Samoa Community College (ASCC) provided nutrition educational materials for elementary students in American Samoa to improve knowledge of the subject and improve healthy lifestyle.

At NMC, we feel that Promotions through publications and advertisements are crucial to the overall ADAP Projects. It ensures continuity of projects and services to the community.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

At the University of Hawaii, Ms. Eileen Herring will continue to provide library services (such as article searches and book loans), and maintain the Traditional Pacific Islands Crops Website. Ms. Herring will seek outside funding for her participation in next year's PIALA and AgNic conferences. Additionally, Mr. Hollyer will be participating in the ACE (Association for Communication Excellence in Agriculture, Natural Sciences, and Life and Human Sciences) meeting in Michigan, June 10-13, 2008.

Previously, Ms. Herring choose to return travel funds for the two annual conferences she attends on behalf of ADAP: PIALA and AgNic. Additionally, she elected to returns funds for a student assistant. These funds amounted to \$10,670. The Board needs to reallocate these funds.

LIBRARY SERVICES STATISTICS FOR THE PERIOD 07/01/07 – 12/31/07

Location	Searches	Articles	Book Loans	Hours	Value
ASCC	0	28	0	12.0	\$ 439.75
COM-FSM					\$ -
Pohnpei	0	3	0	1.0	\$ 45.00
Yap	0	12	0	4.0	\$ 193.25
CMI	0	0	0	0.0	\$ -
NMC					
Saipan	1	0	0	2.0	\$ 123.00
PCC	0	0	0	0.0	\$ -
UOG	0	35	0	9.0	\$ 510.00
SPC-Fiji	0	7	0	2.5	\$ 105.00
Total	1	85	0	30.5	\$ 1,416.00

*The figures given in the "Value" column are based on the current rate schedule of the University of Hawaii at Manoa Library's External Services Program. (ESP). ESP provides library services for non-UH Manoa patrons. ESP charges fees on a cost-recovery basis.

THE TRADITIONAL PACIFIC ISLAND CROPS WEB SITE (AGNIC PARTNER)

(<http://libweb.hawaii.edu/libdept/scitech/agnic/>)

This ADAP supported project provides access to Pacific relevant full-text electronic resources about 12 traditional Pacific Island Crops:

- Bananas and Plantains (*Musa* sp.)
- Betel Nut (*Areca catechu*)
- Breadfruit (*Artocarpus altilis*)
- Cassava (*Manihot esculenta*)
- Coconut (*Cocos nucifera*)
- Kava (*Piper methysticum*)
- Noni (*Morinda citrifolia*)
- Pandanus (*Pandanus* sp.)
- Sugarcane (*Saccharum officinarum*)
- Sweet Potato (*Ipomoea batatas*)
- Taro (*Colocasia esculenta*) and other Edible Aroids
- Yam (*Dioscorea* sp.)

The Web site contains links to quality World Wide Web resources that deal with the production, marketing, and research aspects of these twelve important traditional Pacific Island crops. Related marketing and statistical sites, databases, and other reference sources are also included. The emphasis is on collecting full-text resources so that Pacific Islanders who have Web access but do not have access to library print resources can find the information they need to grow and market these crops. Each of the included resources has been identified and evaluated by Eileen for the quality of their information and relevance to Pacific island agriculture.

During the past six months (July through December), these pages have received 10,184 page requests (that translates into 21,469 "hits"). Taro and sweet potato continued to be the most popular crops with about 1,100 page requests each. Among the worldwide users of this information, the following Pacific island domains accessed these Web pages:

- .am (American Samoa)
- .au (Australia)
- .ck (Cook Islands)
- .fj (Fiji)
- .fm (Micronesia)
- .nc (New Caledonia)
- .nu (Niue)
- .nz (New Zealand)
- .pf (French Polynesia)
- .pg (Papua New Guinea)
- .sb (Solomon Islands)
- .to (Tonga)
- .vu (Vanuatu)

During the past six months, the ADAP librarian answered 7 email reference questions from users throughout the world concerning these twelve crops.

GRANT DEVELOPMENT AND CAPACITY BUILDING PROJECT

Grant Development and Capacity Building Project was a small project embedded in the CIPS project with the goal of educating faculty and staff within the American Pacific Land Grant institutions and government agencies in ways increase funding for research, education and extension projects. Too often, grant workshops (sponsored by the USDA) take a “one-size fits all” approach to teaching how find, and apply for grants. Dr. Sharee Pepper is a grantwriting coach. She advises researchers on a one-on-one basis, providing valuable feedback on writing style, language usage, formatting, experimental design, and project scope, as well as, providing guidance and answering questions about the grant submittal process.

Although ADAP support for the Grant Development and Capacity Building Project was discontinued in December 2006, Dr. Pepper continues to maintain her contacts in the Pacific region and continues to provide grant information. Her new position within the CTAHR Agribusiness Incubator Project requires her to focus her efforts on Hawaii-based opportunities, but as there is often an overlap between the opportunities for Hawaii and those for the Pacific region. Thus, she is able to continue to provide grant development and capacity building assistance to the ADAP collaborators.

Bioenergy Feedstock Assessment

Principal Investigator:	Goro Uehara (UH)	
Co-PIs:	Robert Paull (UH)	
	Mari Marutani (UOG)	
Project Manager:	Richard Ogoshi (UH)	
Funding Allocations and Expenses:		
	Year 18	\$35,610
	Year 19	\$5,261
	Year 20	\$0

PROBLEM STATEMENT AND POTENTIAL SOLUTION

Pacific Island nations are particularly vulnerable to the supply shortages and volatile prices of fossil fuels. Most islands import more than 90% of their transportation and energy fuels. Thus, there is an urgent need to develop local energy production capacity. Vegetal based fuels or biofuels produced from locally generated biomass on small to medium farms are a possible solution to decrease fossil fuel dependency in the Pacific Islands. Biofuels have significant environmental benefits over fossil fuels including low sulfur content, being carbon-dioxide neutral, and decreasing waste entering land-fills. Furthermore, establishment of biomass-based energy systems will create new jobs and improve local economies.

Biodiesel and ethanol are two promising candidate biofuels suitable for transportation and energy generation. The development of domestic feedstocks for conversion into biofuels is essential for increasing island energy security. An important challenge is the identification of feedstocks and conversion technology amenable for commercial production on small to medium farms with the environmental resources available on tropical and subtropical islands. ADAP-member nations contain a diversity of non-traditional plants that have potential as energy feedstocks whose yields could surpass traditional energy crops. The combination of the University of Hawaii's and University of Guam's experience in bioenergy, agricultural production, and soil science makes a strong team to identify energy feedstocks for the Pacific Islands. The proposed project will evaluate oil crops, cellulosic biomass, and commercial waste for use as feedstocks for bioenergy production. This investigation will provide baseline data essential for future studies to improve the energy security in the Pacific Islands.

The project will generate baseline yield data for potential energy crops in climatic/environmental conditions and farm sizes found in the Pacific Islands. In addition, the project will assess the availability of commercial waste streams in ADAP-member islands and small scale conversion technology for bioenergy production. It is expected that the baseline data generated by this project will lead to larger, more comprehensive collaborations in the future. This information will be valuable for developing possible solutions for Hawaii and Pacific Island nations to decrease their fossil fuel dependency and increase their energy security.

SCOPE OF WORK

The purpose of the project is to provide the foundation for developing solutions to reduce fossil fuel importation to the Pacific Islands. To that end, we will investigate candidate energy crops, commercial waste streams, and small scale conversion technology that have the potential to be a part of the solution. The project will focus primarily on *Jatropha curcus*, coconut (*Cocos nucifera*), and fish oil for biodiesel production and *Panicum maximum* (guinea grass) for ethanol production. *Jatropha*, coconut, and guinea grass were chosen for their low resource input requirements, especially water, and their ability to thrive on poor soils, which promotes land

reclamation and inhibits soil erosion. Crops, waste streams, and conversion technologies will be evaluated for small scale and larger production potential to reflect the range of environmental resources found in the Pacific Islands. The project will accomplish the following objectives:

- Evaluate the technical and economic feasibility for producing biodiesel from *Jatropha curcas*, coconut oil, and fish oil, and ethanol from guinea grass in the Pacific Islands.
- Evaluate the potential application of commercial waste streams and small scale conversion technology for energy production in the Pacific Islands.

PROPOSED ACTIVITIES

Objective 1

Climate and growing conditions have profound influence on crop yields which ultimately will determine the economic feasibility of the crops. Thus, the project will determine crop yields under various climatic/environmental conditions. Local varieties will be tested for optimal density, irrigation, and seed and fruit development.

Oil crops

Seeds and cuttings will be collected from *Jatropha curcas* varieties on Guam and the Hawaiian Islands. Test plots will be installed to evaluate growth rates under various conditions and seed and oil yields determined. Oil samples will be sent to Pacific Biodiesel for conversion into biodiesel and testing. Commercially available coconut oil and fish oil will also be sent to Pacific Biodiesel for conversion into biodiesel and testing. Pacific Biodiesel will submit biodiesel samples derived from *Jatropha*, coconut, and fish oil to a national laboratory for certification that the biodiesel meets international fuel standards.

Ethanol crops

A mower/baler will be rented and dry yields for *Panicum maximum* will be determined. Ethanol yields will be reported using standard estimates. Crop yields under various conditions and the effect of repeated re-cuttings will be determined.

The information gathered will be compiled in a database and reported to ADAP members for review and comment. Additionally, the database will be made available for subsequent retrieval and analysis by researchers, government agencies, and businesses.

Objective 2

A survey will be conducted to determine the availability of commercial waste streams such as restaurant waste oil and coconut husks for conversion into bioenergy. It is anticipated that some islands have significant amounts of restaurant waste oil and coconut husks, while others will have small amounts.

An online review of small-scale conversion technology will be conducted to determine possible technologies for converting feedstocks into bioenergy. Results from this investigation will aid in the design of demonstration scale bioenergy refineries and highlight future areas for research and development.

RESULTS AND ACCOMPLISHMENTS FOR THE PERIOD: JULY 2007 TO DECEMBER 2007

Objective 1: Optimizing yield of *Jatropha*

Ten months after the start of the *Jatropha* trial at the Poamoho Experiment Station, the first seed harvest was completed. In the population density experiment (10 000, 20 000, and 40 000 trees/ha), the overall average yield was 78 kg of dry seed/ha. The treatment differences

were not statistically significant at the 5% level of probability. This seed yield is equivalent to 35 liters of oil/ha. Seed and oil yield are expected to increase as the trees mature.

A chance occurrence generated new opportunities to optimize *Jatropha* yield. A brushfire swept through the experiment station this past August and burned 72 of the 457 trees in the population density trial (see Photos 1 and 2). The burned trees were noted. In November, these same trees that were burned initiated flowering (see Photo 3). Trees adjacent to the burned trees did not. This suggests that burning trees induced flowering. If this mechanism can be understood, it may be possible to force flowering and fruit production year round.

One of the original objectives of this project was to determine the irrigation requirement of *Jatropha*. However, the La Nina event this year is bringing heavier than normal rains to Hawaii, thus minimizing the treatment differences in the irrigation trial. So, a proposal is suggested to change the objective of the irrigation experiment to instead study flower-inducing techniques. The hypothesis is defoliation or the plant hormone ethylene, a by-product of burning, plays a role in flowering. The treatments for the new experiment will include application of ethrel (an ethylene pre-cursor) and defoliation by manual, thermal (steam or flame gun), and/or chemical (salt spray, urea spray, or paraquat) means.

Objective 2: Feedstock Assessment

Dr. Mari Marutani, University of Guam, made a presentation entitled "Bioenergy feedstock assessment in the Western Pacific Islands" to the 21st Pacific Science Conference held in Okinawa, Japan, on June 12-18, 2007. The abstract of this presentation is published in the proceedings from this conference.

Citation:

Marutani, M., G. Uehara, R. Paull, R. Ogoshi, B. Turano and S. Afaisen. 2007. Bioenergy feedstock assessment in the Western Pacific Islands. Presented at the 21st Pacific Science Congress, Diversity and Changes: Challenges and Opportunities for Managing Natural and Social Systems in Asia-Pacific p.115 (Abstract).



Photo 1. Fire damaged Jatropha trees in the population density experiment at the Poamoho Experiment Station, Oahu, Hawaii. Photo was taken on August 17, 2007.



Photo 2. Fruits of the Jatropha trees survived the fire at the Poamoho Experiment station, but the leaves suffered severe damage.



Photo 3. Flowers appeared on Jatropa trees in November, 2007. Only trees that were burned in August initiated flowers while trees immediately adjacent to them did not flower.

CONTINUING ACTIVITIES: JANUARY 2008 TO JUNE 2008

University of Guam (UOG)

- Dr. Marutani feels that UOG's challenge with regards to biomass will be 'what' and 'how' can we contribute to this regional, national and global project as a land grant institution. She strongly feels that we need to initiate a project to share information on biomass feedstock utilization among island nations. She emphasizes the importance of the tri-land grant mission of research, extension and education being synergistically blended in order that their efforts towards the production of biomass will be successful.

University of Hawaii (UH)

- Work will continue as scheduled.

Campus Reports

American Samoa Community College Campus Report

What were the changes within your institution or island nation that would influence the operations of the ADAP project? Please describe items such as new state legislation, significant staff changes, institutional reorganization, natural disaster, new agricultural initiatives, development of new agribusinesses, emergence of agricultural diseases, and new challenges or goals at your institution. You may use this form, or submit you own update for the meeting materials.

The American Samoa Community College President, Dr. Adele Satele-Galea'i resigned from her post on December 4, 2007 due to her health reason. Dr. Seth Galea'i is the acting President for the college.

The division of Community & Natural Resources received funding for a new Community Health Research Facility.

Dean Aga is waiting for confirmation on the acceptance of one of the CNR local Research staff into the doctoral degree program with the University of Hawaii-Manoa.

There are four positions currently vacant at the ASCC CNR department: Project Forester, Research Nutritionist, Extension Nutritionist, and Plant Pathologist.

Northern Marianas College Campus Report

Prepared by: Ross S. Manglona, Director, NMC-CREES

This reporting period has been increasingly complex for Northern Marianas College. With the new implementation of federal minimum wage, higher cost of running utilities on the islands and the loss of the commonwealth's main (Garment) industry, acquiring funding for NMC has been an ever challenging situation. Currently the CNMI government is contemplating laying off 400 of its employees, with this being a major option to address the shortage in government collections.

Besides the aforementioned financial and socioeconomic constraints, high impacting events took place these past six months to include:

- NMC continues to battle its way out of being placed on probationary status by the Western Association of Schools and Colleges (WASC),.
- As a result of our probation status our academic programs on Tinian and Rota instructional sites have been placed on suspension. This suspension is scheduled to begin in the Spring 2008 semester.

Although the college is currently undergoing some obstacles, it has been able to overcome those challenges through the input of students, faculty and staff. Exciting new developments within the college are underway to include:

- NMC has been working extensively on its assessment as recommended by WASC and has received positive feedback from the accrediting institution.
- Through a \$250,000 loan from First Hawaiian Bank additional classrooms and office space are now under construction, with the procurement office being the first completed.
- The college has started upgrading its communications and technology capability on all three instructional sites. These improvements are being funded from a grant received from the Administration for Native Americans. The college has now completed its IT audit and has hired technicians on all three islands to begin upgrades.

Because the commonwealth is treading through some rough times, it has been our department's mission to create opportunities for CNMI citizens. Extension services and research projects are directly related to the growing needs and challenges that the CNMI community faces. These programs are also in line with the missions of the Cooperative Research, Extension and Education Service and the Northern Marianas College. The following is a list of issues and solutions that CREES has had to administer over the past six months:

- Due to the extensive consultations by extension personnel, a Rota farmer who has been producing egg layers is now producing meat birds to address the high cost of frozen imports.

- As a result of hiring qualified scientists, our department has seen an increase in its grant acquisitions. Currently we are working on the following funded projects:
 - Grouper feed trials
 - Citrus Variety trials
 - Tissue culture propagation of banana and root crops
 - Livestock disease survey of the CNMI
- We are still currently increasing our grant acquisitions to include the food sciences and conservation demonstrations.
- Through collaboration with UOG faculty, we are currently watching the progress of the biological releases to suppress the cycad scale on Rota, papaya mealy bug on Tinian, and scarlet gourd across the CNMI.

University of Guam Campus Report

What were the changes within your institution or island nation that would influence the operations of the ADAP project? Please describe items such as new state legislation, significant staff changes, institutional reorganization, natural disaster, new agricultural initiatives, development of new agribusinesses, emergence of agricultural diseases, and new challenges or goals at your institution. You may use this form, or submit you own update for the meeting materials.

The current President of the University of Guam, Dr. Harold Allen, will be retiring in January 2008. The search for a new president is currently underway. As of the deadline for submission of applications, a total of twelve applications were submitted.

Cooperative Extension Service is now back under the umbrella of the College of Natural and Applied Sciences as of October 1, 2007 with Dr. Lee Yudin as the Director. An Acting Associate Director has been hired for CES until a search for a permanent one is started.

David Crisostomo, Extension Agent IV with ANR/CES, has retired from UOG as of September 30, 2007. The college will be hiring to fill the vacancy created by the retirement of Mr. Crisostomo through a search. In the meantime, an emergency hire to fill the vacancy for a one-year is in the process.

An infestation of the coconut rhinoceros beetle was detected in Tumon, Guam in mid September. These beetles could pose a threat to the palm tree population on Guam if they become widespread throughout the rest of the island. In order to prevent the rhino beetle from spreading to other parts of the island, an eradication program has been planned by Dr. Aubrey Moore, an entomologist with UOG.

**University of Alaska Fairbanks
School of Natural Resources and Agricultural Sciences
Agricultural and Forestry Experiment Station**

**ADAP Winter Meetings
Fiesta Resort and Spa, Garapan, Saipan
January 9, 2008**

New Degree Programs

1. Horticulture Certificate: a one-year certificate program is under development in conjunction with the Matanuska Community Campus of the University of Alaska Anchorage to fulfill a demand for urban horticulture and landscape courses and training in southcentral Alaska. The program will be presented to the UAF Faculty Senate for approval in the spring semester 2008.
2. High Latitude Range Management: a one-year certificate program has been approved for delivery in cooperation with the Bristol Bay Campus in Nome in northwestern Alaska. The program was developed by the Reindeer Research Program of SNRAS/AFES (School of Natural Resources and Agricultural Sciences and the Agricultural and Forestry Experiment Station) and the Cooperative Extension Service. Trial courses were delivered in summer 2007 with excellent response (12 students took part and intend to continue with the curriculum).
3. Geography Degrees: Three new geography undergraduate B.A. degrees were approved by the UAF Faculty Senate in the fall semester 2007. Delivery will begin in the fall semester, 2008. Anticipation of the approval of the degrees that emphasize the geospatial sciences, landscape, and climate change has resulted in a near doubling of enrollment to 44 undergraduates.
4. Masters Degree in Resource Management and Geography: This new masters degree converts the former M.S. non-thesis option in Natural Resources Management to a professional degree with a fixed core of courses and a required professional paper. It has been forwarded to the UAF Faculty Senate for approval in February 2008. Three students have enrolled in the SNRAS graduate program anticipating its approval.
5. Ph.D. in Resource Management and Sustainability: The degree was developed in partnership with the UAF School of Management and features three options; 1) a science-based resource management emphasis, 2) a management and economics based emphasis, 2) an interdisciplinary option that emphasizes resources sustainability. The text has been completed and approved by the SNRAS and SOM curriculum councils, has been approved by the graduate school, and has been forwarded to the UAF Faculty Senate simultaneous to completion of a needs survey. The degree is scheduled for review by the UAF Faculty Senate early in the spring 2008 semester prior to presentation to the UA Board of Regents in March, 2008.

USDA Cooperative States Research, Education, and Extension Service Review

A formal review of the administrative placement and performance of the Cooperative Extension Service at the University of Alaska Fairbanks was undertaken in September 2008 at the request of the President of the University of Alaska. The AFES was a part of the review because of its traditional close association with cooperative extension services nationwide. The AFES at UAF is not administratively connected with the CES.

The result of the review was a recommendation that a Vice-Provost position be created that would also serve as the director of CES. The review committee strongly recommended appropriate joint appointments be increased and that the Kellogg criteria of engagement that emphasizes academic excellence be followed. SNRAS/AFES was found to be following the land-grant mission of research, education, and engagement/outreach and was encouraged to follow the directive to create joint appointments for CES faculty where appropriate.

The UAF Chancellor has subsequently named the interim director of CES as the interim Vice Provost for Extension and Outreach. The directive to the position is to lead a search for a permanent Vice Provost/CES Director and begin to implement the Kellogg criteria of engagement under the land-grant mission of the University of Alaska Fairbanks.

Western Rural Development Council Executive Board Meeting

The fall meeting of the WRDC Executive Board was held in Fairbanks in September 2008. The result of the board meeting was a link with the Fairbanks Economic Development Corporation to develop a business incubator in the Fairbanks North Star Borough. The effort has the support of the FNSB mayor's office and the UAF SNRAS/AFES/CES and the School of Management. Meetings are scheduled to begin in spring 2008.

Memorandum of Understanding with the Fairbanks Economic Development Corporation and the Cold Climate Housing Research Center

The University of Alaska Fairbanks has entered into an MOU with the FEDC and the CCHRC to support a Center for Energy and Power that focuses on renewable energy sources for the UAF campus and the Fairbanks North Star Borough. Principal participants at UAF will be the School of Engineering and Mines, SNRAS/AFES and CES. The Center is in its infancy, but it is already serving to bring together a multitude of similar interests in interior Alaska. Among them are the Chena Hot Springs Resort, a national leader in development of low-grade geothermal energy for power and multiple energy uses including controlled environment food production, and the Alaska Northern Forestry Cooperative (sponsored by the Alaska Division of Forestry, the USDA Forest Service/State and Private Forestry, and the AFES) that is bringing together interests in co-firing power plants using wood and coal and coal and wood liquification.

USDA-CSREES Update

USDA-CSREES Update from Louie Tupas

1) CSREES NPL Liaisons

CSREES established the National Program Leader (NPL) Liaison activity to create an informed partnership dialogue in order to better represent CSREES and serve as a resource and information conduit for the Land-Grant College and University system. The Liaisons will gather information from their assigned state(s) about issues and concerns that may require agency level attention and respond to or direct inquiries about agency administrative and program oversight issues to the appropriate person(s). (Note: The Liaisons will not, however, serve as advocates for their unit, program or discipline, nor will they be expected to serve as experts on all agency issues.). The administrator of the Cooperative State Research, Education, and Extension Service, Dr. Colien Hefferan announced this new partnership activity during the November 2005 NASULGC meeting in Washington, DC. Arising from the 2000 partnership meeting in Baltimore, this new structure initiates an informed partnership dialogue in order to serve as a CSREES resource and an information conduit for your university system. The intention is to learn how to be an effective partner with your institution in order to enhance the effectiveness of your work with CSREES.

NPL Liaisons to the Pacific Land Grant Alliance are as follows:

- A. Guam, Micronesia (including Marshall Islands and Palau), Northern Marianas: Dr. Peter Burfening and Dr. Louie Tupas
- B. Hawaii, American Samoa: Dr. Catalino Blanche and Dr. Louie Tupas
- C. Alaska: Dr. Diana Jerkins and Dr. Louie Tupas

The NPL Liaisons will be contacting the Deans/Directors of your institutions to set up meeting dates either by teleconference or pending the availability of travel funds, a site-visit over the coming years.

2) Deputy Administrator for Families, 4H and Nutrition

Dr. Dan Kugler is Acting Deputy Administrator for Families, 4H and Nutrition on behalf of Dr. Mary Gray, who will be on a legislative fellowship for 2008. It is not yet clear if Dr. Kugler will also assume the role of Deputy Administrator to the Western Region for the NPL Liaison Activity. Dr. Kugler is currently the Deputy Administrator to the Northeast Region.

3) AREERA 2007 Annual Report and 2009-2013 Plan of Work update

Deadline for submission of the AREERA 2007 Annual Report and 2009-2013 Plan of Work update is April 1, 2008. Plan of work updates are to be submitted electronically through the web portal. Electronic submission software for the annual report is nearing final stages of implementation and is expected to be on-line by September 2008.

The focus of the Annual Reports should be on Outcomes and Impact Statements, not simply Outputs. The emphasis should be on change in learning, change in action or behavior, and change in condition outcomes. However, reporting milestones on the way to condition and behavior change is also an excellent way to show progress toward these changes if these outcome changes have not yet occurred. If available, we prefer reporting outcomes with quantitative measures, however, we recognize the importance and value of qualitative outcome

statements. Thus, you may submit qualitative outcome statements as an alternative to or in addition to the quantitative outcome measures.

4) National Research Initiative

Proposal deadlines for programs under the 2008 National Research Initiative are attached.

5) CSREES Expertise List

The list of expertise of CSREES National Program Leaders is attached.

6) Electronic submission process for all proposals.

All proposals, including federal administrative and special grants, will be submitted electronically through grants.gov. Special grants such as ADAP will receive instructions from CSREES for the submission codes specific to ADAP.

7) Institutional web sites

Keep your institutional web sites up to date. They are important information sources.

NRI Topic Areas and Proposal Due Dates (FY 2008)

NRI Program Code	Short Title	NRI Official Program Name	Letter of Intent Due Date	Application Due Date
28.0	Air Quality, NRI	<u>Air Quality</u> ²	3/5/2008*	6/5/2008
43.0	Animal Genome: Bioinformatics, NRI	<u>Animal Genome (C): Bioinformatics</u> ¹	N/A	6/5/2008
43.0	Animal Genome: Functional Genomics, NRI	<u>Animal Genome (D): Functional Genomics</u> ¹	3/14/2008	6/5/2008
43.0	Animal Genome: Genome Enabled Selection, NRI	<u>Animal Genome (E): Whole Genome Enabled Animal Selection</u> ¹	11/26/2007	2/14/2008
43.0	Animal Genome: Tools, Resources, NRI	<u>Animal Genome (B): Tools and Resources</u> ¹	N/A	6/5/2008
43.0	Animal Genome: Translational Genomics, NRI	<u>Animal Genome (A): Translational Animal Genomics</u> ²	3/14/2008	6/5/2008
42.0	Animal Growth, Nutrient Use, NRI	<u>Animal Growth and Nutrient Utilization</u> ²	N/A	6/5/2008
44.0	Animal Protection and Biosecurity, NRI	<u>Animal Protection and Biosecurity (A): Animal Disease</u> ¹	10/9/2007**	12/19/2007
44.0	Animal Protection and Biosecurity, NRI	<u>Animal Protection and Biosecurity (B), (C): Animal Well-Being, Coordinated Agricultural Project (CAP)</u> ²	N/A	12/19/2007
41.0	Animal Reproduction, NRI	<u>Animal Reproduction</u> ²	N/A	11/15/2007
51.2	Arthropod & Nematode: Managed Bees CAP, NRI	<u>Arthropod and Nematode Biology and Management (D): Protection of Managed Bees Coordinated Agricultural Project (CAP)</u> ³	11/26/2007	2/14/2008
51.2	Arthropod & Nematode: Organismal Biology, NRI	<u>Arthropod and Nematode Biology and Management (A): Organismal and Population Biology</u> ¹	11/26/2007	2/14/2008
51.2	Arthropod & Nematode: Suborganismal Biology, NRI	<u>Arthropod and Nematode Biology and Management (B): Suborganismal Biology</u> ¹	3/14/2008	6/5/2008

51.2	Arthropod & Nematode: Tools, Resources, Genomics, NRI	<u>Arthropod and Nematode Biology and Management (C): Tools, Resources, and Genomics</u> ¹	3/14/2008	6/5/2008
31.0	Bioactive Food Components, NRI	<u>Bioactive Food Components for Optimal Health</u> ²	11/5/2007	1/17/2008
71.2	Biobased Products and Bioenergy, NRI	<u>Biobased Products and Bioenergy Production Research</u> ¹	11/2/2007	1/17/2008
71.1	Food Quality and Value, NRI	<u>Improving Food Quality and Value</u> ²	11/5/2007	1/17/2008
32.0	Food Safety: Biological Approaches, NRI	<u>Food Safety and Epidemiology (A): Biological Approaches for Food Safety</u> ¹	N/A	12/19/2007
32.0	Food Safety: Epidemiological Approaches, NRI	<u>Food Safety and Epidemiology (B): Epidemiological Approaches for Food Safety</u> ¹	N/A	12/19/2007
27.0	Global Climate Change, NRI	Global and Climate Change ¹	N/A	Not offered.
31.5	Human Nutrition, Obesity, NRI	<u>Human Nutrition and Obesity</u> ²	N/A	6/5/2008
23.1	Managed Ecosystems, NRI	<u>Managed Ecosystems</u> ²	10/9/2007	12/19/2007
61.0	Markets & Trade, NRI	<u>Agribusiness Markets and Trade</u> ¹	N/A	Not offered.
51.8	Microbial Biology: Microbial Observatories, NRI	<u>Microbial Biology (A): Microbial Observatories</u> ¹	N/A	See NSF website
51.8	Microbial Biology: Plant, Microbe Associations, NRI	<u>Microbial Biology (B): Microbial Associations with Plants</u> ¹	10/9/2007	12/19/2007
51.0	Microbial Genomics: Functional Genomics, NRI	<u>Microbial Genomics (B): Functional Genomics of Microorganisms</u> ¹	N/A	Not offered.
51.0	Microbial Genomics: Genome Sequencing, NRI	<u>Microbial Genomics (A): Genome Sequencing</u> ¹	N/A	Joint with NSF. See NSF website.
75.0	Nanoscale Science, Engineering, NRI	<u>Nanoscale Science and Engineering for Agriculture and Food Systems</u> ¹	N/A	1/17/2008

56.0	Plant Biology: Biochemistry, NRI	<u>Plant Biology (C): Biochemistry</u> ¹	11/26/2007	2/14/2008
56.0	Plant Biology: Breeding, Education, NRI	<u>Plant Biology (E): Plant Breeding and Education</u> ³	10/9/2007	12/19/2007
56.0	Plant Biology: Environmental Stress, NRI	<u>Plant Biology (B): Environmental Stress</u> ¹	10/9/2007	12/19/2007
56.0	Plant Biology: Gene Function, Regulation, NRI	<u>Plant Biology (A): Gene Function and Regulation</u> ¹	10/9/2007	12/19/2007
56.0	Plant Biology: Growth and Development, NRI	<u>Plant Biology (D): Growth and Development</u> ¹	11/26/2007	2/14/2008
20.2	Plant Biosecurity, NRI	<u>Plant Biosecurity</u> ³	3/14/2008	6/5/2008
52.1	Plant Genome, NRI	<u>Plant Genome</u> ¹	N/A	2/14/2008
52.1	Plant Genome, NRI	<u>Plant Genome (D): Applied Plant Genomics CAP</u> ³	11/26/2007	2/14/2008
62.0	Rural Development, NRI	<u>Rural Development</u> ³	N/A	2/14/2008
66.0	Small Farms, Agricultural Prosperity, NRI	<u>Agricultural Prosperity for Small and Medium-Sized Farms</u> ³	N/A	6/5/2008
25.0	Soil Processes, NRI	<u>Soil Processes</u> ¹	11/19/2007	2/14/2008
26.0	Water and Watersheds, NRI	<u>Water and Watersheds</u> ¹	N/A	1/17/2008
51.9	Weedy, Invasive Species, NRI	<u>Biology of Weedy and Invasive Species in Agroecosystems</u> ²	12/6/2007	3/5/2008

KEY:

1 Solicits research projects

2 Solicits both integrated and research projects

3 Solicits integrated projects

* Letter of Intent is required for Integrated Applications only. See RFA for details.

** Letter of Intent is required for some, but not all, program priorities. See RFA for details.

CSREES - Area of Expertise Listing

NAME	EXPERTISE	TELEPHONE	EMAIL@csrees.usda.gov
OFFICE OF THE ADMINISTRATOR (OA)			
Hefferan, Colien	Administrator	202-720-4423	chefferan
Slaughter, Shirley	Secretary to the Administrator	202-720-4423	sslaughter
Otto, Ralph	Associate Administrator	202-720-7441	rotto
Wortham, Deneen	Secretary to the Associate Administrator	202-720-7441	dwortham
Kopp, Dennis	Assistant Administrator for Program and Analysis	202-690-0745	dkopp
Gilliland, Betty Lou	Assistant Administrator for Management and Policy	202-720-5506	bgilliland
Spurling, James	Assistant Administrator for Public Liaison	202-720-8187	jspurling
Robinson, Diann	Secretary to the Assistant Administrators	202-720-4423	drobinson
Hedberg, Robert	Science Policy and Legislative Affairs Advisor	202-720-4118	rhedberg
BUDGET OFFICE			
Buch, Christina	Budget Director	202-720-2675	tbuch
Lawson, Karen	Deputy Budget Director	202-720-2722	klawson
Armstrong, Gabrielle	Program Analyst	202-720-2575	garmstrong
Lyons, Corey	Budget Analyst	202-720-2404	clyons
Simmons, Angela	Budget Analyst	202-720-9004	asimmons
Steward, Frederica	Budget Analyst	202-720-2364	fsteward
Suit, Sandy	Budget Analyst	202-720-2634	ssuit
Williams, Benevia	Budget Analyst	202-720-3378	bwilliams
CIVIL RIGHTS (EQUAL OPPORTUNITY STAFF)			
Deville, Curt	Director	202-720-2700	cdeville
Dunn, Jane	Secretary	202-720-2642	jdunn
Artis, Laura	Equal Opportunity Specialist	202-720-8070	lartis
Chavez, Richard	Equal Opportunity Specialist	202-690-2051	rchavez
Johnson, Cecilia	Equal Opportunity Specialist	202-720-8070	cjohnson
Pruitt, Norman	Equal Opportunity Specialist	202-720-8070	npruitt
Young, Ronald	Equal Opportunity Specialist	202-720-8070	ryoung

COMMUNICATIONS STAFF			
Allen, Janet	Director	202-720-2677	jallen
Best, Valeria	Secretary	202-720-4651	vbest
Conaway, Adelaide	Exhibits Coordination; Marketing Tools; Photo & Slide Archives; Printing	202-720-4013	aconaway
Copen, Cassie	Marketing Planning and Implementation	202-401-6544	ccopen
Edelen, Bonnie	Agency Publications Budget; Online Staff Directory; Partners Directory; Expertise List; REE Directory; Satellite Downlink Liaison	202-720-6133	bedelen
Elliott, Scott	Senior Writer/Editor; Administrator's Report to the Partnership	202-720-7185	sellott
Engle, Stephanie	Visual Design; Branding; Photo & Image Resources	202-720-4479	sengle
Henderson, Anne	Web Analytics; Public Affairs; Web Content Team	202-720-5070	ahenderson
Holian, Patrick	Partners Video Magazine	202-720-5280	pholian
Martin, Jennifer	Media Coordination; Web Content Team	202-720-8188	jmartin
Rude, Judy	Lyris Manager; FOIA; Web Content Team	202-720-4242	jrude
Snyder, John	Executive Web Editor; Web Content Team	202-720-2047	jsnyder
Wilson, Andrew	Managing Web Editor, Web Content Team	202-720-6084	apwilson
NATIONAL AGRICULTURAL RESEARCH, EXTENSION, EDUCATION, AND ECONOMICS			
ADVISORY BOARD (NAREEEAB)			
Dunn, Joseph	Executive Director	202-720-3684	joseph.dunn@usda.gov
Morgan-Jordan, Shirley	Program Support Coordinator	202-720-3684	smorgan
PLANNING & ACCOUNTABILITY			
MacDonald, Robert	Director	202-720-5623	rmacdonald
Jarvis, Shannon	Secretary	202-720-5623	sjarvis
Adoum, Djime	Planning and Evaluation Leader	202-720-4564	dadoum
Doan, Henry	Planning and Evaluation Leader	202-401-0791	hdoan
Hewitt, Barton	Accountability and Reporting Leader	202-720-0747	bhewitt
King, Tekila	Program Analyst	202-401-0951	tking
COMPETITIVE PROGRAMS (CP)			
Palmisano, Anna	Deputy Administrator	202-401-1761	apalmisano
Smith, Paulette	Secretary	202-401-1761	psmith

Joya, Terri	Administrative Officer	202-401-1282	tjoya
Robinson, Larry	Science Advisor	202-720-1765	lrobinson
INTEGRATED PROGRAMS UNIT			
Sheely, Deborah	Director	202-401-1924	dsheely
Ebron-Strother, Karen	Secretary	202-401-1777	kebron
Burfening, Peter	Animal Genomics, Reproductive Physiology, Genetics, Animal Breeding, Beef & Sheep Production, National Program Leader	202-401-5823	pburfening
Cleland, Charles	Plant Physiology, Flowering, Plant Growth & Development; SBIR, Forest & Related Resources; SBIR, Air, Water & Soils; SBIR, Aquaculture; SBIR Small & Mid-sized Farms, National Program Leader	202-401-4002	ccleland
Dockum, Scott	Program Specialist	202-401-4995	sdockum
Gilbert, Leslie	Horticulture, Gardening, Pollinator Ecology, and Conservation; Feral Cats (Trap-Neuter-Return) and Colony Management, Program Specialist	202-205-0440	lgilbert
Goldner, William	Small Business Development, Sustainability, and Research Planning; Production Horticulture; Controlled Environment Horticulture; Plant Breeding; Specialty Crops; Plant Physiology & Biochemistry; Plant Biotechnology; Bioenergy; Production of Value-Added Biobased Products; Orchid Biology & Ecology; Reforestation; Forest Biotechnology, National Program Leader	202-401-1719	wgoldner
Jerkins, Diana	Ecological Agricultural Systems; Ecosystem Services and Valuation; Sustainable Agriculture; Organic Agriculture; Natural Resources; Managed Ecosystems; Prosperity for Small and Mid-sized Farms, National Program Leader	202-401-6996	djerkins
Kish, Stacy	Science Writer/Editor, Program Specialist	202-690-5716	skish
Knox, Paularie	Food Safety, Improving Food Quality and Value, Improving Human Nutrition, Agriculture & Environmental Regulations, Program Specialist	202-401-1950	pknox
Raver, Alexandra	Managed Ecosystems, Small Farms, Water & Watersheds, Soil Processes, Weedy and Invasive Species, and Biobased Products & Bioenergy Programs, Program Analyst	202-401-6069	araver
Sureshwaran,	Agribusiness; Marketing and Trade; Rural and	202-720-7536	ssureshwaran

Siva			
	Community Development; Small Business and Small Farms, National Program Leader		
Toombs, Dionne	Community Food and Nutrition, Food Safety & Security, Food Science and Technology, Obesity and Healthy Weight, National Program Leader	202-401-2138	dtoombs
Tuckermanty, Elizabeth	Human Nutrition/Individual and Family Development, Faculty Development; Community Foods; Outreach & Assistance for Socially Disadvantaged Farmers and Ranchers, National Program Leader	202-205-0241	etuckermanty
Whittet, Kimberly	Animal Science Integrated Programs; e-Grants, Program Specialist	202-401-2883	kwhittet
PEER REVIEW UNIT			
Blue, Ila	Director	202-401-0628	ibblue
Vacant	Secretary	202-401-1803	
Davidson, Roderika	Research Supervisor	202-401-5046	rdavidson
Donatone, Janice	Integrated Programs & Higher Ed. Supervisor	202-401-5054	jdonatone
RESEARCH UNIT			
Poth, Mark	Research Director	202-401-5244	mpoth
Brayton, Peter	Animal Microbiology and Virology, Immunogenetics, Food Safety, Animal Protection; Animal Disease, Animal Well-Being, National Program Leader	202-401-5044	pbrayton
Cavallaro, Nancy	Soil Science, Global Change, & Watersheds; Soil Processes, Global Change: Carbon Cycle, Land Use/Cover, & Ecosystems, National Program Leader	202-401-5176	ncavallaro
Hanks, Katrena	Urban & Regional Planning; Economic and Community Development and Brownfields Redevelopment, Program Specialist	202-401-5286	khanks
Jacobs-Young, Chavonda	Industrial Biobased Products, Biofuels; Wood and Fiber Utilization, Forestry, National Program Leader	202-401-6188	cjacobs
Johnson, Peter	Animal Health; Animal Protection and Biosecurity, National Program Leader	202-401-1896	pjohnson
Kaleikau, Ed	Plant Genomics, National Program Leader	202-401-1931	ekaleikau
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COMPETITIVE PROGRAMS - Continued			
RESEARCH UNIT - Continued			
Kathir, Pushpa	Genetics and Genomics of Microbes and Plants; Functional Genomics; Molecular Biology; Cell Biology, Program Specialist	202-401-5015	pkathir
Lichens-Park, Ann	Molecular Biology and Genomics of Microorganisms; Microorganisms Associated with Plants Including Plant Pathogens, National Program Leader	202-401-6460	apark
Lin, Liang-Shiou	Plant Physiology, Plant Biochemistry, Plant Developmental Biology; Plant Systematics; Plant Molecular & Cellular Biology, Genetic Processes & Mechanisms of Crop Plants, Developmental Processes of Crop Plants; Plant Biosecurity; Metabolic Engineering; NRI Strengthening Programs, National Program Leader	202-401-5045	llin
McLean, Gail	Plant Molecular and Cell Biology, Plant Biochemistry, Plant Physiology, Microbial Molecular Biology and Genomics, Plant Genomics, Bioinformatics, Biotechnology, Plant and Environmental Stress, National Program Leader	202-401-6060	gmclean
Mirando, Mark	Animal Reproduction; Animal Growth and Nutrition Utilization, National Program Leader	202-401-4336	mmirando
Purcell- Miramontes, Mary	Arthropod and Nematode Biology, Ecology, Genomics Management, National Program Leader	202-401-5168	mpurcell
Saltos, Etta	Human Nutrition; Obesity and Overweight Prevention; Health Benefits of Bioactive Food Components; Nutrient Requirements, National Program Leader	202-401-5178	esaltos
Sherwood, John	Plant Biosecurity; Ecosystems; Microbial Observatories, National Program Leader	202-690-1659	jsherwood
ECONOMIC AND COMMUNITY SYSTEMS (ECS)			

Boteler, Franklin	Deputy Administrator	202-720-7947	fboteler
Graham, Flossie	Secretary	202-720-7947	fgraham
Auburn, Jill	Sustainable Agriculture, Research and Education, Director	202-720-5384	jauburn
Bahn, Henry	Ag Marketing, International Trade, National Program Leader	202-720-8143	hbahn
Dorsey, Maurice	Pubic Policy Research and Education, Diversity/Pluralism, National Program Leader	202-720-6014	mdorsey
Ebodaghe, Denis	Small Farms, National Program Leader	202-401-4385	debodaghe
Hipp, Janie	Risk Management Education, Trade Adjustment Assistance, Farm Financial Management, National Program Leader	202-720-3605	jhipp
Hipple, Patricia	Sustainable Bioenergy, National Program Leader	202-401-2185	phipple
Hunt, Fen	Natural Resources, Outdoor Recreation and Environmental Economics, National Program Leader	202-720-4114	fhunt
Maggard, Sally	Rural Sociology, National Program Leader	202-720-0741	smaggard
Schuchardt, Jane	Personal Finance, Consumer Issues, National Program Leader	202-690-2674	jschuchardt
FAMILIES, 4-H, AND NUTRITION (F4HN)			
Gray, Mary McPhail	Deputy Administrator	202-720-2908	mgray
Friels, LaVern	Secretary	202-720-6962	lfriels
NUTRITION AND FAMILY SCIENCES			
Tuttle, Cynthia Reeves	Director	202-720-2920	ctuttle
Blake, Stephanie	Expanded Food & Nutrition Education Program (EFNEP), Program Specialist	202-720-6079	sblake
Chipman, Helen	Food and Nutrition Education, (EFNEP & FSNE) National Program Leader	202-720-8067	hchipman
Crocoll, Caroline	Family Science, (Family Relations; Early Childhood; Parenting Education; Adolescent Health & Development; Adult Development & Aging; Family Caregiving; Counseling & Human Development; Military Family Life), National Program Leader	202-720-4795	ccrocoll
Gerrior, Shirley	Human Nutrition, Physical Activity, Nutrition & Health, National Program Leader	202-720-4124	sgerrior
NAME	EXPERTISE	TELEPHONE	EMAIL@csrees.usda.gov

FAMILIES, 4-H, AND NUTRITION (F4HN) - Continued			
NUTRITION AND FAMILY SCIENCES - Continued			
Swanson, Marilyn	Human Nutrition, Maternal & Child Health,	713-798-6788	mswanson@bcm.edu
	Pregnancy, Breastfeeding, School Health,		
	Child Health, National Program Leader		
Welsh, Susan	Human Nutrition Research (Obesity)	202-720-5544	swelsh
	National Program Leader		
YOUTH DEVELOPMENT			
Kress, Cathann	Director	202-690-3009	ckress
Arnold, Maria	National 4-H Conference Coordinator &	202-720-8857	marnold
	Youth Events, Program Specialist		
Clark, Janice	Grants Management, Program Specialist	202-720-4436	jclark
Garrett, Byron	4-H Youth Development,	202-720-5253	bgarrett
	National Program Leader		
Hampton, Lisa	Youth Development, Program Specialist	202-720-4087	lhampton
Kahler, Jim	Science, Engineering, & Technology, and	202-690-1568	jkahler
	CYFAR, Program Specialist		
LeMenestrel, Suzanne	4-H Youth Development Research & Special	202-720-2297	slemenestrel
	Projects, National Program Leader		
Mentzer, Eddy	4-H Military Partnership, Program Specialist	202-690-2086	ementzer
Stone, Barbara	Professional Development for Youth	202-720-5345	bstone
	Development, National Program Leader		
Valentine, Nancy	After-School Programs and Rural Youth,	202-720-5347	nvalentime
	National Program Leader		
Wright, Sharon	Children, Youth, & Families at Risk (CYFAR),	202-720-5075	swright
	and 4-H Military Program,		
	National Program Leader		
INFORMATION SYSTEMS & TECHNOLOGY MANAGEMENT (ISTM)			
Desbois, Michel	Deputy Administrator - Chief Information	202-690-0003	mdesbois
	Officer, Information Technology		
Hall, Trenice	Secretary	202-401-0117	thall
Hitchcock, Jason	Director for Policy and Training	202-720-4343	jhitchcock
Unglesbee, Dennis	Director of Applications	202-690-0413	dunglesbee
Williams, Debra	Operations Director - Information	202-720-4241	dwilliams
	Technology, Hardware, Software, CSREES		
	Network		
Barbano, Joe	REEIS	202-401-2184	jbarbano

Gillis, Janine	Information Technology Trainer	202-401-0201	jgillis
Gillmore, Preston	Information Technology Security	202-401-1878	pgillmore
Jackson, Patricia	Desktop Computer Assistance, IT Help Desk	202-720-2597	pjackson
Mingee, John	One Solution and Plan of Work	202-720-2602	jmingee
Pandolfino, Tony	e-Grants	202-401-0549	tpandolfino
Rutledge, Larry	C-REEMS Operations	202-401-6116	lrutledge
Sowers, Carol	Team Leader & Project Manager for CRIS	202-690-0122	csowers
Turell, Alexander	Enterprise Architect and IT Portfolio Manager	202-720-3007	aturell
Zeh, Crystal	CSREES' Records Management Program	202-401-5924	czeh
	and Policies and Procedures		
NATURAL RESOURCES AND ENVIRONMENT (NRE)			
Kugler, Dan	Deputy Administrator	202-401-4555	dkugler
Lindsay, Debra	Secretary	202-401-5351	dlindsay
Blanche, Catalino	Forest Biology, McIntire-Stennis Program,	202-401-4190	cblanche
	National Program Leader		
Bowers, Michael*	Ecology, Agroecology, Weedy and Invasive	202-401-4510	mbowers
	Species, National Program Leader		
Cassidy, Daniel	Forestry, Program Specialist	202-401-6444	dcassidy
Crosby, Greg	Sustainable Development/Environmental Ed.;	202-401-6050	gcrosby
	eXtension, Agency Representative; One		
	Solution Director, National Program Leader		
Dobrowolski, Jim**	Rangelands, Grasslands, Water Security,	202-401-5016	jdobrowolski
	National Program Leader		
Dodds, Jane	Environmental Affairs, ANR Forum Network,	202-401-4044	jdodds
	Management Analyst		
Paez, Dewell	Soils, Water & Sustainable Development, Air	202-401-4141	dpaez
	Quality and Global Change, Program Specialist		
Knighton, Raymond	Air Quality, National Program Leader	202-401-6417	rknighton
Lamar, Agnes	Unit-Wide Programs, Program Analyst	202-401-4318	alamar
Mertz, Bruce	AgroEcology; Conservation; Water Quality,	202-401-4601	bmertz
	Program Specialist		
Morant, Mervalin	Soil Ecology, National Program Leader	202-401-6602	mmorant
Norland, Eric	Forest Resource Mgmt., RREA Program,	202-401-5971	enorland
	National Program Leader		
O'Neill, Michael	Water Quality, National Program Leader	202-205-5952	moneill
Rozum, Mary Ann	Conservation and Environment,	202-401-4533	mrozum
	National Program Leader		
Tupas, Luis	Global Change and Climate,	202-401-4926	ltupas
	National Program Leader		
*In a shared position with Competitive Programs.			
**In a shared position with Plant and Animal Systems.			
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OFFICE OF EXTRAMURAL PROGRAMS (OEP)			
Brandon, Andrea	Deputy Administrator	202-720-9181	abrandon
Bennett, R. Shawn	Management and Program Analyst	202-401-1284	rbennett
Clark, Ebony	Secretary	202-720-9181	eclark
Woodard-Martin, Melia	Administrative Officer	202-401-6321	mwoodard
AWARDS MANAGEMENT BRANCH			
Langguth, Carol	Branch Chief: Grants & Cooperative Agreements, Post-Award Management	202-401-4986	clangguth
Randolph, Rochelle	Secretary	202-401-4986	rdrandolph
Jordan, Eula	Awards Liaison	202-401-0848	ejordan
Bowman, Susan	Section Leader: Grants & Cooperative Agreements, 1994 Awards, Post-Award Management	202-401-4324	sbowman
Lynch, Pamela	Grants and Cooperative Agreements, Post-Award Management, Team Leader	202-401-5062	plynch
Watkins, Sondra	Grants & Cooperative Agreements, Post-Award Management, Team Leader	202-401-4249	swatkins
Woodin, Adriene	Section Leader: Grants & Cooperative Agreements, Buildings & Facilities, Post-Award Management	202-401-4320	awoodin
Alphs, Duane	Grants and Cooperative Agreements, Post-Award Management, Team Leader	202-401-4326	dalphs
McCrea, Rochelle	Grants & Cooperative Agreements, Post-Award Management, Team Leader	202-401-2880	rmccrea
POLICY, OVERSIGHT, AND FUNDS MANAGEMENT BRANCH			
Danus, Ellen	Branch Chief: Federal Assistance Policy; Agency OIG/GAO Audit Liaison, Accounting for CSREES Program Funds, Administration of Formula Grants, Oversight Activities	202-401-4325	edanus
Perez, Joseph	Administrative Assistant	202-205-5667	jperez
POLICY SECTION			

Daly, Erin	Section Leader: Federal Assistance Policy, Regulatory Agenda, Administrative Provisions, OEP FOIA Requests, OEP Web Updates	202-401-3319	edaly
Krizmanich, Melanie	Federal Assistance Policy, Agency Rep. on Interagency Committee on Federal Financial Assistance Policy and Development and Implementation, Terms and Conditions, Administrative Provisions, Senior Policy Specialist	202-401-1762	mkrizmanich
Moore, Joanna	Federal Assistance Policy, Request for Applications (RFAs), Memoranda of Understanding, FOIA Requests, Federal Register Notices, Policy Specialist	202-690-6011	jmoore
Dunmore, Ruth	Federal Assistance Policy, Request for Applications (RFAs), Federal Register Notices, Grants and Agreement Specialist	202-401-5057	rdunmore
Jefferies, John	Federal Assistance Policy, Request for Applications (RFAs), Federal Register Notices, Policy Specialist	202-401-5061	jjefferies
OVERSIGHT SECTION			
Nwaba, Edward	Section Leader: Audit Resolution, A-123 Requirements, Administrative and Financial Reviews, Audit Liaison, Audit Resolution, Oversight of Formula Funds	202-205-5799	enwaba
Formula Funds			
Barnett, Brenda	CSREES Administrative Officers' Conference, Oversight of AREERA Requirements for Multistate and Integrated Activities, CSRS and FERS Retirement Formula Allocations Funds, Budget and Fiscal Specialist	202-401-6250	bbarnett
Cross, Arnita	Administration of Formula Funds, Formula Fund Payments, Matching Waivers, Staff Accountant	202-401-8982	across
Sims, Barry	OEP Liaison with Planning & Accountability staff on Plan of Work, Federal Assistance Policy for Formula Funds, Oversight of the Admin. of Formula Funds, Staff Accountant	202-205-0453	bsims
NAME	EXPERTISE	TELEPHONE	EMAIL@csrees.usda.gov

OFFICE OF EXTRAMURAL PROGRAMS - Continued			
OVERSIGHT ACTIVITIES			
Kavalauskas, Jon	Agency Contact A-123 and Improper Payments Information Act (IPIA) Requirement, Agency contact on on-going OIG/GAO Studies & Audits, Staff Accountant	202-401-4313	jkavalauskas
Sue-Ling, Philip	A-133 Single Audit Resolution, Staff Accountant	202-401-1302	psueling
Ogden, Deborah	A-133 Single Audit Resolution, Grants and Agreements Specialist	202-401-5025	dogden
Owens, Allison	A-133 Audit Resolution, Grants and Agreements Specialist	202-205-0118	aowens
Yancey, Viveca	A-133 Audit Resolution, Grants and Agreements Specialist	202-401-4172	vyancey
FUNDS MANAGEMENT SECTION			
Edwards, Wanda	Section Leader: Accounting for CSREES	202-401-5310	wwalker
	Program Funds, Awardee Financial Reporting, Award Payments, Agency Financial Payments		
Bridgwaters, Tonette	Commits and Obligates (CSREES-2009) for Research Programs and Maintains and Provides Assistance for Financial Data Codes for Research Grants, Budget and Fiscal Specialist	202-401-6409	tbridgwaters
Clark, Jameal	Operations - Awards authorization at DHHS Payment Management System (PMS), FAADS and FPATA Reporting Requirements ABHOR and Year-end Financial Reports, Team Leader	202-401-6873	jaclark
Vessels, Sharon	Reconciliation - Cash Reconciliation, Reconciliation of Agency Award Activity to General Ledger, Financial Statement Audit, Semi-Annual Review of Unquoted Obligations, Team Leader	202-401-4322	svessels
Keys, Kenneth	Recipient Reporting, Review of Awardee Financial Reports and Fiscal Close-out Awards, Awardee with DHHS-PMS, Team Leader	202-401-5310	kkeys
Roder, Janet	Reimbursables (incoming and outgoing), Staff Accountant	202-205-2448	jroder
Sweet, Jeffrey	Reconciliation of The X-Year Treasury	202-401-4312	jsweet

	Symbols and All Disbursements Needing		
	Reconciled and Entered Into CREEMS,		
	Staff Accountant		
PLANT & ANIMAL SYSTEMS (PAS)			
Broussard, Meryl	Deputy Administrator	202-401-5877	mbroussard
Burke, Sarah	Budget Coordinator	202-401-1865	sburke
ANIMAL SYSTEMS			
Qureshi, Muquarrab	Director, Animal Section: Animal Genetics	202-401-4895	mqureshi
Fleming, Armindia	Animal Health & Disease, Program Specialist	202-401-6617	afleming
Hamernik, Debora	Animal Physiology Reproduction, Functional	202-401-4202	dhamernik
	Genomics, National Program Leader		
Jensen, Gary	Aquaculture, National Program Leader	202-401-6802	gjensen
Kirk Baer, Charlotte	Animal Nutrition/Animal Health and Ag	202-401-6848	cbaer
	Production, National Program Leader		
Mayeaux, Maxwell	Aquaculture, Program Specialist	202-401-3352	mmayeaux
Reynnells, Richard	Poultry Science, National Program Leader	202-401-5352	rreynnells
Robinson, Mark	Veterinary Sciences and Medicine/Animal	202-401-6301	mrobinson
	AgroSecurity, National Program Leader		
Sherman, Gary	Veterinary Sciences and Medicine,	202-401-4952	gsherman
	National Program Leader		
Smith, Robert	Veterinary Clinical Medicine/Epidemiology,	202-401-6861	rsmith
	National Program Leader		
PLANT SYSTEMS			
Fitzner, Michael	Director, Plant Section: Pest Management,	202-401-4939	mfitzner
	Plant Breeding		
Bewick, Thomas	Horticulture, National Program Leader	202-401-3356	tbewick
Bolton, Herbert	Army Programs/Pest Management,	202-401-4201	hbolton
	National Program Leader		
Cardwell, Kitty	Plant Pathology, National Program Leader	202-401-1790	kcardwell
Draper, Martin	Plant Pathology/Pest Management,	202-401-1990	mdraper
	National Program Leader		
Hoffman, William	Instructional Systems, Outcomes	202-401-1112	whoffman
	Measurement, National Program Leader		
Johnson, Monte	IR4 Minor Crop Pest Management,	202-401-1108	mpjohnson
	National Program Leader		
Jones, Daniel	Biotechnology - Biochemistry,	202-401-6854	djones

	National Program Leader		
Kimble-Day, Kathy	Integrated Pest Management, Program Specialist	202-401-4420	kday
Meyer, Rick	Entomology, National Program Leader	202-401-4891	hmeyer
Nowierski, Robert	Biobased Pest Management,	202-401-4900	rnowierski
	National Program Leader		
Parochetti, James	Weed Science, PSEP, National Program Leader	202-401-4354	jparochetti
Thro, Ann Marie	Plant Breeding & Genomics, Biotechnology,	202-401-6702	athro
	National Program Leader		
PLANT & ANIMAL SYSTEMS - Continued			
PROCESSING, ENGINEERING AND TECHNOLOGY			
Rein, Bradley K.	Director, PET Section: Agricultural Engineering, Farm Safety & AgrAbility	202-401-0151	brein
Bailey, Carmela	Microbiology; Biobased Products; Bioenergy,	202-401-6443	cbailey
	National Program Leader		
Chen, Hongda	Bioprocess Engineering & Nanotechnology,	202-401-6497	hchen
	National Program Leader		
Hegg, Richard	Agricultural Engineering, Waste Management,	202-401-6550	rhegg
	National Program Leader		
Hunter, Karen	Engineering, Farm Safety and AgrAbility,	202-401-6825	khunter
	Program Specialist		
Rao, Ramkishan	Food Science and Technology,	202-401-6010	rrao
	National Program Leader		
Schmoldt, Daniel	Sensor and Instrumentation Technology,	202-720-4807	dschmoldt
	National Program Leader		
Singleton, Jan	Food Science & Food Safety,	202-401-1954	jsingleton
	National Program Leader		
Torrence, Mary	Food Safety & Veterinary Epidemiology,	202-401-6357	mtorrence
	National Program Leader		
Valco, Tom	Cotton Technology Transfer & Education,	662-686-5255	tvalco@ars.usda.gov
	Coordinator		
Williams, Jodi	Food Safety and Food Science,	202-720-6145	jwilliams
	Program Specialist		
Wozniak, Chris*	Food Safety & Biotechnology Risk Assessment, National Program Leader	202-401-6020	cwozniak
Wysocki, Joseph	Housing and Indoor Environments; AgrAbility,	202-401-4980	jwysocki
	National Program Leader		
*In a shared position with Competitive Programs.			
SCIENCE AND EDUCATION RESOURCES DEVELOPMENT (SERD)			

Cooper, George E.	Deputy Administrator	202-401-2855	gcooper
Bannister, Rena	Secretary	202-401-2855	rbannister
HIGHER EDUCATION PROGRAMS			
Gilmore, Jeffrey	Director	202-720-2324	jpgilmore
Vacant	Secretary	202-720-5285	
Smith, Ella	Food & Agriculture Education Information System (FAEIS), Education Research Analyst	202-720-3842	esmith
Smith, P. Gregory	Higher Ed Challenge Grants Program, Secondary & 2-Year Post Secondary Ag Ed Challenge Grants Program, Resident Instruction Grants for Insular Areas, National Excellence in University Teaching Awards Program, National Program Leader	202-720-2067	gsmith
Tate, Tom	Ag in the Classroom, National Program Leader	202-720-2727	ttate
Trotman, Audrey A.	Food & Ag Sciences Nat. Needs Graduate & Postdoctoral Fellowships Grants, Multicultural Scholars Grants Programs, National Program Leader	202-720-1973	atrotman
Williams, Lindell G.	Ag in the Classroom, Program Specialist	202-720-9811	lgwilliams
INTERNATIONAL PROGRAMS			
Larew, Hiram	Director	202-720-3801	hlarew
Carter, Esther	Secretary	202-720-3801	ecarter
Fulton, Patricia	West Africa Agricultural Development; International Youth Programs; Globalization of Tribal Colleges, International Programs Specialist	202-720-3801	pfulton
McGirr, Mike	Internationalizing U.S. Extension; International Agricultural Development; Afghanistan; Liaison to International Organizations, National Program Leader	202-205-3739	mmcgirr
MULTICULTURAL ALLIANCES			

