

**PLGA's
Agricultural Development in the
American Pacific (ADAP) Project**

**Project Progress
Reports**



Work from the period July to December 2009

**Presented at the
PLGA/ADAP Board of Directors Meeting
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PLGA/ADAP Introduction

The Agricultural Development in the American Pacific (ADAP) Project was formally authorized in the 2008 Farm Bill, as an addition to the High-Priority Research and Extension Areas (SEC. 7204) of the Food, Agriculture, Conservation, and Trade Act of 1990:

“(45) AGRICULTURAL DEVELOPMENT IN THE AMERICAN PACIFIC REGION.—Research and extension grants may be made under this section to support food and agricultural science at a consortium of land-grant institutions in the American- Pacific region.

With the inclusion of the Agricultural Development in the American Pacific (ADAP) Project in the 2008 Farm Bill, we have expanded our partnership to include University of Alaska Fairbanks; the Pacific schools share with Alaska the same issues with regard to community isolation, distance education challenges, and cultural sensitivity. Our traditional partners (University of Hawaii, University of Guam, Northern Marianas College, College of Micronesia, and American Samoa Community College) and the University of Alaska Fairbanks, decided in January 2007 to create a new organizational framework called the Pacific Land Grant Alliance (PLGA) to begin addressing multi-sector issues that are interconnected with agriculture. Our larger focus is on connecting our small communities into a larger network of collaborators with the goal of regional sustainability. We are going to employ a systems approach to solution development. Toward this end, we will continue in FY2010 and FY2011 to work on the following projects: Food Security, Professional Development, Communications, Information, and Publication Services, and Management and Accountability Project. Only by growing together can we achieve a strong regional coalition to serve our local communities and neighboring communities. This coalition also provides ADAP with a larger footprint, making it available for consortium funding.

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

2008 Farm Bill Authorization for ADAP

Year 22	FY2009	\$326,664	-5.57% from Yr21
Year 23	FY2010	\$374,400	

Management and Accountability Project

Core Project

Project Coordination Team:	ADAP Project Manager and Regional Coordinators	
Funding Allocations and Expenses:		
	Year 19	\$234,056
	Year 21	\$196,981
	Year 22	\$233,514
	Year 23	\$255,561

[The large difference in the funds allocation between Year 19 and Year 21 was a result of reducing the Home Office staff (Educational Media Specialist). The difference between Year 21 and Year 22 was due to an increase in the UH F&A rate applied to the ADAP project, from 8% to 22%.] In Year 23, cuts from Year 22 to ADAP Home Office budget were restored.

OVERVIEW

The Management and Accountability project team includes the home office staff (Project Manager and Coordinator) based at the University of Hawaii and the Regional Coordinators from each ADAP institution. The home office staff is responsible for maintaining a high standard of excellence by organizing, planning, coordinating and providing overall support services for the ADAP project. The home office administers the USDA grant through the Research Corporation of the University of Hawaii (RCUH). Funds are allocated to the ADAP institutions in accordance with the annual plans of work, but distributed on a cost-reimbursable basis. The home office maintains a fiscal accounting system consistent with the needs of participating institutions, RCUH and USDA. The home office also prepares technical and administrative reports that promote the functions and accomplishments of ADAP. With the assistance of the Regional Coordinators, the home office oversees the on-going projects, and coordinates follow-up activities for completed projects, or projects no longer directly receiving ADAP funds. 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. Under the Management and Accountability project, staff at American Samoa Community College, College of Micronesia, Northern Marianas College, University of Guam, University of Alaska, and University of Hawaii accurately report project expenditures, closely monitor project work to ensure that expenditures match work achieved and provide administrative support to the current and previous ADAP projects.

OBJECTIVES

- Promote accountability and a high standard of excellence within our cooperating institutions in Hawaii, Alaska, American Samoa, Guam, Northern Marianas, Federated States of Micronesia, Marshall Islands, and Palau
- Increase awareness by faculty and staff of federal administrative and accounting procedures, with a focus on allowable purchases (and un-allowable

- purchases), and professional behavior regarding the use of vacation and sick leave
- Provide guidance in the management and administration of other ADAP projects to include timely progress reports, accurate accounting of ADAP project expenses, and coordination of the biannual ADAP meeting
 - Planning and coordination of ADAP projects, including follow-up activities for concluded projects
 - Developing collaborative projects within the USAPI

OUTPUTS FOR THE PERIOD: JULY TO DECEMBER 2009

American Samoa Community College (ASCC)

- Provided guidance in the management and administration of ASCC ADAP projects.

College of Micronesia (COM)

- Facilitated and coordinated the successful implementation of two workshops on food security in Majuro and on the atoll of Mwokilloa in Pohnpei.
- Maintained communication links between the six program sites and the central administration.

Northern Marianas College (NMC)

- Coordinator finalized the Summer Internship program which took place August 3rd-28th, 2009.
- Continued to work with the NMC Finance office, Federal Accountant, to ensure reimbursement packages are prepared on a timely manner and submitted for payment.
- Continued to monitor and manage the ADAP projects to ensure they are carried out accordingly, project reports and financial reports are submitted on a timely manner.

University of Guam (UOG)

- Travel for the UOG-ADAP Director to the 2009 Summer ADAP Director's Meeting in Semiahmoo, Washington, July 2009, was funded by this core project.
- Submission of necessary documents for processing and release of ADAP Year 22 funding were completed, signed and returned to ADAP Home Office.
- Provided contact information for list of ADAP contacts from University of Guam.

University of Hawaii (UH)

- The UH-Home Office provided administrative support to our collaborators and colleagues.
- UH planned and hosted the Summer 2009 Board of Directors meeting in Semiahmoo, WA: created meeting materials, facilitated discussions, followed-

- up on decisions of previous meetings, and provided updates on funding, project progress, and updated program materials as needed.
- UH completed the ADAP Year 23 proposal and budget, conducted a literature review for future projects, and submitted the annual CRIS reports to the USDA.
 - Website updates: ADAP (<http://www.ctahr.hawaii.edu/adap2/>); Food Safety (<http://www2.ctahr.hawaii.edu/adap2/FoodSafety/index.htm>); Rat Lungworm (<http://www2.ctahr.hawaii.edu/adap2/RatLungWorm/index.htm>).
 - The Home Office staff have arranged for alternative financial support from other projects. Jim Hollyer is currently receiving half of his salary from a USDA – Risk Management Agency Food Safety grant. Vanessa Troegner is receiving financial support from the Agribusiness Incubator Program (25%). These actions have reduced the salary/fringe expenses within the Home Office, making more funding available for project work.
 - Jim Hollyer worked within CTAHR with several programs to develop the programs strategic plan and/or facilitate meetings. Programs assisted include the Center of the Family, and 4H.

OUTCOMES - IMPACT OF THE PROJECT TO JANUARY 2009

Each campus has worked to improve the efficiency of the ADAP project management, made accurate reporting of project activities, and made information more accessible. Administrative support is provided to ensure timely submission of project reports, reimbursement requests, and other administrative matter; budget issues are addressed; spending of core funds are within established guidelines; information on ADAP Project is provided to faculty and staff upon request; and lines of communication with ADAP Home Office and other ADAP institutions are maintained.

ADAP Project Goals for Years 21 & 22	Outputs		Outcomes - Impact
	Activities, Services, Events, Products, or Publications	Participation / Participants	Impact
Management and Accountability project	Plan the ADAP Board of Directors meeting and facilitate discussions on project goals, progress, and pitfalls.	ADAP Board of Directors	Coordination of project activities across the Pacific.
Management and Accountability project	Plan activities and monitor expenses for all ADAP project work. Accurately invoice for all reimbursable expenses.	ADAP Coordinators	Coordination of project activities across the Pacific.
Management and Accountability project Year 22 Goals	Create a survey measuring awareness of federal administrative and accounting procedures, with a focus on allowable purchases, and professional behaviors.	Land grant college staff	Increased awareness of professional behaviors
Management and Accountability project Year 22 Goals	Create a series of poster illustrating allowable purchases and professional behaviors	Land grant college staff	Increased awareness of professional behaviors

Professional Development Project

New Core Project, replacing Human Resources and Capacity Building (HRCB), Enrichment Opportunities (EO), and Leadership Development (LEAD)

Project Coordination Team: ADAP Project Manager and Regional Coordinators

Funding Allocations and Expenses:

Year 19 (EO, HRCB & LEAD)	\$178,000
Year 21	\$70,000
Year 22	\$70,000
Year 23	\$70,000

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The Professional Development Project is a composite of three projects previously funded separately: Leadership Development, Human Resources and Capacity Building, and Enrichment Opportunities. Although previously the Board of Directors sought to view each individual project as unique, upon further investigation, the Board found that the project goals were nearly identical. These three projects sought to improve institutional capacity through three different avenues. Further, the Board found that each institution had sought to transfer funds between these three projects in order to meet the needs of the particular institution. Ultimately, each institution has a hierarchy of needs, and having funds dedicated to a low-priority need was not conducive to improving institutional capacity. At the Winter 2008 Board meeting, the directors agreed to combine the three projects to allow each institution greater freedom to focus on the areas most critical to improving the institution capacity. The Professional Development project has three focuses for improving institutional capacity: leadership development, staff enrichment opportunities, and educational opportunities for staff, faculty, and college and high school students.

Focus 1: Leadership development The growth and development of the Pacific Land Grant colleges is tied closely to the growth and development of the small island communities they serve. By supporting the development of strong leadership qualities, ADAP can give the colleges the best chance to make the organizational strides required by their clients and the communities.

Focus 2: Staff development By supporting staff development opportunities, staff training, and institutional initiatives, ADAP can offer a solution to having too few employees, or under-trained employees. Oftentimes, new guidelines and changing federal accounting regulations require specialized knowledge and greater technological skills. Due to the limited human resources of the smaller Land Grant institutions, there is increasing pressure on current staff to take on greater responsibility and to cross-train with other employees. The successful transfer and adoption of knowledge will enhance the productivity and efficiency of those employees. ADAP also aims to target institutional initiatives such as strategic planning. The strategic planning process benefits the institution, and the participants, as they learn more about their institution, their department, and their role within the system.

Focus 3: Educational initiatives By supporting education initiatives, ADAP can help provide qualified employees support to enhance the institution and government services and to advance local agricultural development. Low enrollment in agriculture

and home economics classes across the region's high schools continues to deprive ADAP institutions of future employees who are knowledgeable in these areas. ADAP has developed many unique programs targeted at different stages of educational development. Each ADAP institution has the opportunity to focus on one, or many of the programs, depending on the needs of the institution and community: A.) The Financial Assistance for an Advanced Degree Program provides learning opportunities for Land Grant staff and others seeking a Doctorate or Masters degree. This program benefits both the institution and the individual by creating opportunities to expand or strengthen Land Grant programs and to advance professionally. 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. B.) The Financial Assistance for a 2- or 4-Year College Program provides limited financial support for students pursuing a certificate or degree from their local land grant institution in agriculture or a related field. Assistance is limited and continued assistance is dependent on satisfactory academic performance. ADAP directors and regional coordinators provide assistance with registration, course selection, and career guidance. C.) The High School Apprenticeship Program provides high school students an opportunity for a hands-on educational experience in agricultural research or extension, increasing awareness of the educational opportunities and careers available in agriculture, home economics, and related fields

OBJECTIVES

- Develop leadership abilities of land grant directors, administrators, departmental chairs, researchers, and employees
- Create opportunities for Land Grant staff and others to pursue advanced degrees in agriculture or a related field
- Create opportunities for current graduate and undergraduate to continue their studies within agriculture or a related field leading to a degree or certificate
- Create opportunities for hands-on learning experiences for high school students to learn more about agricultural research and extension
- Staff training and professional development opportunities
- Strategic plans for each of the ADAP institutions

OUTPUTS FOR THE PERIOD: JULY TO DECEMBER 2009

American Samoa Community College (ASCC)

- Provided support to ASCC Staff, Mr. Ian Gurr, while he continued his graduate studies at the University of Hawaii. Mr. Gurr completed course work for the spring, summer and fall semesters as a full-time student and worked on field project/internship program and thesis project during the summer semester.
- Provided administrative support for the ASCC Summer Institute Program. Forty-five students attended the Program. The ASCC Upward Bound, Gear-Up Program, Step-Up Program, 4-H Summer Program and high school juniors attended the Summer Institute Program.
- Provided support to two students from the Agriculture & Life Sciences Degree Program that received Associate of Science degrees in general agriculture,

natural resources during the ASCC's fall '09 Commencement Exercise on December 18, 2009.

- Mr. Tualagi Gaoteote (Natural Resources) got accepted to the University of Hawaii Manoa campus for his Bachelor of Science degree in Natural Resources.
- Mr. Tanielu Moliga (General Agriculture) joined the local workforce population.

College of Micronesia (COM)

- Research Aide, Arwan Soson, from the College of the Marshall Islands began classes in Fall 2008 at UH-Hilo. Unfortunately, he has discontinued his studies as of December 2009, and has returned to his position at the College of the Marshall Islands, without completing his degree.
- Robert Jackson attendance at the 2009 USDA Administrative Officers meeting conference in Baltimore.

Northern Marianas College (NMC)

- As part of the institution's effort to continue its support of professional development for our staff, Dean Tee Abraham had set up a group to attend the Grants Writing workshop in Guam this January 13-15, 2010. This workshop will be attended by several of our program leaders, Director Ross Manglona and CDI Director Dave Attao.
- The project also continues to support and encourage our staff in pursuing their degrees and attending other professional development workshops and conferences.
- The Summer Internship Program started August 3rd through the 28th. Twenty eight (28) students were chosen to work in various positions within our department. On the last day, students presented their new knowledge and overall experience during the award ceremony.

University of Guam (UOG)

- UOG continues to provide financial assistance to staff that are pursuing or wish to pursue a college degree in the field of agriculture, consumer and family science, or a related field. Currently we provide financial assistance to one staff employee with CNAS. Mr. Jesse Rosario, Program Coordinator IV within the Dean/Director's Office, continues to receive financial assistance as he pursues his Master's degree in Public Administration. He anticipates completing his program by this Spring 2010 semester.
- UOG supported the Summer Research Apprenticeship Program. This program is currently in its ninth summer. This program is geared towards high school students who exhibit an interest in the field of agriculture, consumer and family science, or a related science. We were able to hire five students on a full-time basis paying the current minimum wage. The program ran for five weeks wherein the students were assigned to a research faculty or extension agent to work side-by-side and get hands-on experience in a research laboratory

environment, or working on extension activities involving youth at risk or 4-H summer activities.

University of Hawaii (UH)

- For Jim Hollyer's participation in LEAD21, Class 2009-2010, we have accepted funds from COM (\$11,550) for registration and travel expenses. We anticipate that UH will expend an additional \$2000 for travel expenses to complete the program.

OUTCOMES - IMPACT OF THE PROJECT TO DECEMBER 2009

American Samoa Community College (ASCC) – Human Resources and Capacity Building

- The Human & Resources Capacity Building project provided tremendous support for the Staff and students of the American Samoa Community College in professional development and advanced degree studies.

College of Micronesia (COM)

- This project served the faculty, staff and students at the three community colleges and staff from collaborating agencies. It provided opportunities to further their education for the improvement of institutional capacity and the delivery of programs.

Northern Marianas College (NMC)

- The project gives our staff the opportunity to develop their skills and knowledge through various professional development workshops and training. This gives them more motivation and self-confidence in extending quality service to our clients and the community. The encouragement to pursue higher degrees also gives our staff a chance to advance in their fields and will be able to apply for higher positions and/or take on additional responsibilities.
- Our efforts to attract high school students to enroll in our Natural Resource Management Degree program or fields related to Agriculture and Family Consumer Science is one of our main goals in this project. The Internship program will be able to attract students and pull them towards pursuing a degree in these fields.

University of Guam (UOG)

- Within UOG, the Financial Assistance to land grant staff for a college degree had an impact on the individuals and the college. Upon completion of their respective degree programs, individuals under this program will have enhanced their capabilities to perform their job tasks more efficiently and effectively.
- In providing financial assistance to Mr. Rosario to complete his degree program, this will provide enhancement to his job performance and skills in his capacity as Program Coordinator for the college.

- The summer apprenticeship program's goal is to entice high school students to consider pursuing a study in the field of agriculture or consumer and family sciences.

University of Hawaii (UH)

- James Hollyer, ADAP Project Manager, has participated in LEAD21 the program, which has led to greater opportunities within the college, such as being the Chair of the College Faculty Senate and a position with the Dean's Search committee.

ADAP Project Goals for Years 21 & 22	Outputs		Outcomes - Impact
	Activities, Services, Events, Products, or Publications	Participation / Participants	Impact
Professional Development	Sponsor the participation of one participant (land grant staff) to the LEAD21 leadership workshops.	Land grant college staff	Increased work toward personal performance goals; increased awareness of professional weaknesses, and strengths as seen by colleagues.
Professional Development	Continue to support the participation of James Hollyer in the LEAD21 workshops. A greater part of Jim's participation was paid for by COM.	Jim Hollyer, Project Manager	Increased work toward personal performance goals; increased awareness of professional weaknesses, and strengths as seen by colleagues.
Professional Development	Create opportunities for Land Grant staff and others to pursue advanced degrees in agriculture or related field.	Land grant staff and others	Better educated Land Grant employees; more opportunities for land grant staff to apply for and obtain grant funding; a land grant college (or office) that is more efficient and better able to meet stakeholder needs.
Professional Development	Create opportunities for high school students to learn more about land grant programs and agricultural and scientific fields of study	High school students	More student interest in the agricultural sciences; greater minority representation in the sciences.
Professional Development	Facilitate strategic planning for the ADAP institutions.	Land grant staff and others	Optimization of land grant performance through the collaborative efforts of the staff.

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 19	\$20,030
	Year 21	\$10,000
	Year 22	\$11,150
	Year 23	\$13,338

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.

OUTPUTS FOR THE PERIOD: JULY TO DECEMBER 2009

American Samoa used CIPS (Year 19) provided communication services, such as internet access, document exchange services via fax, internet or mail, and communication services via telephone, teleconference, email or fax.

College of Micronesia (COM) continued maintenance and improvement of communication among the six program delivery sites in Micronesia.

At NMC, the video and camera equipment purchased out of Yr18 and Yr19 funds were used to develop DVDs of program activities such as the Summer Internship program presentation and Aquaculture program survey.

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

07/01/09 - 12/31/09 Library Services Statistics

Location	Searches	Articles	Book Loans	Hours	Value
ASCC	1	9	1	3.5	\$220.00
COM-FSM					\$-
Yap	0	2	0	1.0	\$40.00
CMI	0	4	0	2.0	\$98.00
NMC					
Saipan	2	5	0	2.5	\$180.00
PCC	0	0	0	0.0	\$-
UOG	2	6	0	4.5	\$320.00
Fiji	0	2	0	1.0	\$40.00
Total	5	28	1	14.5	\$898.00

*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. In April 2009, the Regents of the University of Hawaii approved an increase in the fees charged by ESP and the chart above reflects these increases for services provided starting in April. The new fee schedule is available at <http://library.manoa.hawaii.edu/departments/access/esp/services.html>

The ADAP Librarian will be on sabbatical leave from 1 February 2010 through 31 July 2010. Due to library staffing reductions as a result of budget cuts, there is no one available to perform these literature and document delivery services during her absence. Therefore, she **will continue*** to provide these services during her leave. However, delivery time for some requests may be longer than usual.

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.)

Traditional Pacific Island Crops is part of the National Agricultural Library's AgNIC partnership. It is supported by ADAP in partnership with the University of Hawaii at Manoa Library. All of the current links on the Web site are checked regularly and

updated as necessary. While the Web site continues to be useful, it is in need of a major update to utilize Web 2.0 functionality and conform to current Web page design expectations. The UH Manoa Library has approved the ADAP Librarians sabbatical request and updating this Web site is her primary sabbatical project.

During the past six months (July through December), the *Traditional Pacific Island Crops* Web site has received 11,003 page requests (that translates into 21,019 “hits”). During this six month period, taro and banana were the most popular crops with 1,221 page requests for taro and 967 page requests for banana. Among the worldwide users of this information, the following Pacific island domains accessed these Web pages during the time frame covered by this report:

.am (American Samoa)	.pf (French Polynesia)
.au (Australia)	.pg (Papua New Guinea)
.ck (Cook Islands)	.sb (Solomon Islands)
.fj (Fiji)	.to (Tonga)
.fm (Micronesia)	.ws (Samoa)
.nz (New Zealand)	

During the past six months, the ADAP librarian answered 2 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. **During this period, 20 emails were sent between 01/01/09 and 12/30/09. To subscribe (or unsubscribe) to this list, please send an email to Sharee Pepper (spepper@hawaii.edu).**

OUTCOMES - IMPACT OF THE PROJECT TO JUNE 2009

At all participating ADAP institutions, more grant proposals have been submitted for consideration to the TSTAR program. Proposals from Hawaii and Guam were funded through TSTAR, but we feel the quality of the proposals from COM, NMC, and ASCC were of a higher caliber than previous years.

ADAP Project Goals for Years 21 & 22	Outputs		Outcomes - Impact
	Activities, Services, Events, Products, or Publications	Participation / Participants	Impact
Communication, Information, and Publication Services (CIPS)	Provide communication services for regional coordination, such as document exchange services via fax, internet or mail, and communication services via telephone, email or fax.	Land grant college staff	Coordination of project activities across the Pacific.
Communication, Information, and Publication Services (CIPS)	Provide access to research materials through library document delivery services, internet-based database access for extension materials (such as AgNic), and library material exchanges and donations	Land grant college staff	Better educated land grant employees; more opportunities for land grant staff to apply for and obtain grant funding; better informed extension materials; and high quality research proposals.
Communication, Information, and Publication Services (CIPS)	Provide publication services for research and extension materials, brochures, and posters. Provide assistance with layout, design, and proofreading. Provide assistance with pre-printing requirements (pre-flight), and other technical aspects of printing/publication.	Land grant college staff	High impact extension materials, educational brochures, and posters.

Food Security and Sufficiency Project

Project Coordination Team:	ADAP Project Manager and Regional Coordinators	
Funding Allocations and Expenses:	Year 21	\$68,950
	Year 22	\$12,000
	Year 23	\$35,500

PROBLEM STATEMENT AND POTENTIAL SOLUTION

The aim of the new Food Security and Sufficiency Project is to develop avenues for communities to provide a balanced and sufficient diet to all households in Guam, Hawaii, Alaska, American Samoa, Northern Marianas Islands, Federated States of Micronesia, Palau and the Marshall Islands. Further, our aim is to ensure that these food sources are buffered from the effects of economic recession, environmental change, labor shortages, and local, national, and international trade tariffs. Long-term food security requires that each community have some level of sustainable agriculture (or sustainable hunting or fishing), both on a small-scale and commercial basis. By providing opportunities for increased food security, we can positively influence our small economies. This project will also empower communities and individuals to make informed decisions about their health, through a healthy, well-balanced, sufficient diet. A project of this scope requires a concerted effort to garner community support throughout the entire process. With the help of local community organizations, church organizations, and local government resources, we aim to create an environment for change.

The ADAP areas are highly isolated from the US Mainland and thus have a higher degree of vulnerability. ADAP is using its team-building capabilities to bring together individuals and organizations who can take a more systematic approach to shoring up and enhancing the local food production.

OBJECTIVES

- Develop working groups to explore each island's challenges to sustainable agriculture and food security, and explore the cultural and economic barriers to island agricultural sustainability.
- Develop an integrated program that allows community members to make informed decisions about a healthy diet through sustainable practices such as backyard and community agriculture.
- Match appropriate agricultural technologies to community and island needs.
- Identify government level challenges to sustainable region-wide agriculture, such as trade tariffs and agricultural water rights.

OUTPUTS FOR THE PERIOD: JANUARY TO JUNE 2009American Samoa Community College (ASCC)

- The American Samoa Governor, Honorable Togiola Tulafono signed in late October 2009 the Executive Order to establish a Food Policy Council in American Samoa.
- Conducted the first American Samoa Food Policy Council meeting on December 28, 2009. Council members included representatives from the American Samoa Governor's Office, Department of Health, Department of Agriculture, Department of Marine & Wildlife Resources and the Office of Samoan Affairs. Matters discussed during the meeting included the purpose of the council to advise the Governor on Food Policy issues in American Samoa, a need to identify policies that are needed to strengthen the food security and health in American Samoa, and inter-departmental collaboration to implement food policy council in American Samoa.

College of Micronesia (COM)

- Within College of Micronesia, project staff are working to revitalize a traditional crop and farming systems. Traditionally, Micronesians grew root crops in a way that should the island be inundated with storm surge, and the farms flooded with sea water, there were a few hardy varieties of plants that survived and would sustain the community. Due to the threat of rising sea levels, this work is even more important.
- With Year 21 funding, project staff began propagation of plantlets of the hardiest varieties of sweet potato, taro, and other staple root crops, for distribution to outer island communities in the Republic of the Marshall Islands, and the FSM States of Pohnpei, Chuuk, and Yap.
- College of Micronesia held a workshop in Majuro (CMI), a four-day training workshop was organized at the College of the Marshall Islands, Arrak Campus and Farmers' Field, from April 6th to 9th, 2009. Twenty-three local growers, farmers and extension staff including youth, and women attended the workshop, which was conducted in both Marshallese and English languages.
- COM held a five-day workshop at the Mwoakilloa Municipal Government, Mwoakilloa, Pohnpei, Federated States of Micronesia and Farmers' Field, Mwoakilloa from September 29th to October 3rd, 2009. Fifty-nine local growers, farmers and extension staff including youth, and women attended and participated in the training workshop, which was conducted in both Mwoakillese and English languages.

Northern Marianas College (NMC)

- NMC conducted 2009 CNMI Agriculture Summit, February 11-12, 2009. Conference report (on file) contains full description of activities and impacts.

University of Guam (UOG)

1. Food Security Workgroup.

The establishment of the Food Security workgroup comprised of project and administrative members. The initializing project members include Dr. John W. Brown, WPTRC, Peter R. Barcinas and Gena A. Rojas and Extension Associates assigned to the University of Guam Cooperative Extension Unit Extension Economic and Community Systems (CES-ECS). Administrative members include Elaine Cepeda and Nikki Dejesus. The administrative work group worked towards resolving the funding and project startup/account issues and the project team considered various options on delivering the Food Security agenda. This included two key objectives focusing on data collection and development of a Community Food System overarching initiative to guide the Food Security conversations.

2. Community Food System Reconnaissance.

This sub area of work involved organizing the project team's reconnaissance objectives that include the following:

a. Preliminary Situational Assessment.

Assessment of Community Food Production Resources. (Initial development of Food Production Resource Map). This activity begins the preliminary work on assessing what we know about our community food system and how best to address food security and sufficiency issues. This assessment involves the project workgroup that included four senior students participating in the preliminary data gathering fieldwork objectives. Students assigned to project workgroups tasked with conducting two assessment areas- food establishments and agricultural producers. This involved field data surveys and related field assessments. These initial compilations are being compiled and analyzed and will be presented in a planned food security event in the latter part of January 2010. This fieldwork took place during August-December 2009.

b. Food Security Pre-Summit.

This forum represents the initializing steps towards addressing the future of agriculture with emphasis on food security. This session focuses on understanding the food system vulnerabilities communities may face and the current knowledge and data available to the community on this matter.

This session is designed to address the following interest areas and may be expanded as needed:

- Develop working groups to explore the challenges to sustainable agriculture and food security. This effort seeks to explore the cultural and economic barriers to the island's agricultural sustainability.
- Develop an integrated program that allows community members to make informed decisions about a healthy diet through sustainable backyard agriculture

- Identify government level challenges to sustainable agriculture strategies
3. Developing a Community Food System Initiative.
- This initiative will help establish the common programming areas for each of Extension's core plans of work and will also help to identify new areas for creation of new programming areas that meet the new emphasis areas under NIFA and AFRI of the USDA.

University of Hawaii (UH)

- UH working to mitigate risks to developing local capacity through farm food safety publications: Avoiding Rat Lungworm infection (2010), and home garden food safety (in prep). Angiostrongyliasis (Rat Lungworm) is caused by a foodborne parasite that occurs in tropical regions.
- UH is developing local capacity by promoting local produce by producing signs for farmer's market booths that allow farmers to identify their "Grown in Hawaii" foods. UH has created a template for point-of-purchase signage allowing growers to identify where products were grown in the Islands. Besides price, one of the other reasons that there is not a demand-pull for locally-grown produce is that many consumers cannot easily identify products that are grown in Hawaii – products are not often labeled by origin. This has changed a little, due to the Country Of Origin Labeling law, but farmers themselves are not in tune with promoting their product over an imported one. This work compliments the on-going Hawaii Farm Bureau Federation's, Buy Local – It Matters, campaign. Signs, for various uses and of various sizes, are under development by this project for use by Hawaii growers and retailers. The templates will be available for anyone who wishes to buy additional signs.

OUTCOMES - IMPACT OF THE PROJECT TO JUNE 2009

American Samoa Community College (ASCC)

- Please see the conference proceedings, "ASIASIGA: A Conference for Food Security in American Samoa," for a full description of activities. This document will be placed on the ADAP website.

College of Micronesia (COM)

- Please see the workshop report for a full description of activities and impacts. This document will be placed on the ADAP website.

Northern Marianas College (NMC)

- NMC conducted 2009 CNMI Agriculture Summit, February 11-12, 2009. Please see the workshop conference report for a full description of activities and impacts. This document will be placed on the ADAP website.

University of Guam (UOG)

- Increased knowledge and understanding of the island's food security and sufficiency issues and problems; and needs and strategic alliances will be identified.
- Community decisions on food security will be based on informed decisions and known challenges.
- Implementation of policies and programs that will result in increased food security and community (government and individual levels) practice of food security measures, resulting in greater protection of life during times of food shortage.

University of Hawaii (UH)

- During the document development process for the ADAP "Avoiding Rat Lungworm Infection" publication, we contacted professionals within the CDC, Hawaii Dept. of Health, Hawaii Dept. of Ag. and others, creating a review panel. These professionals will also be associated with our 2010 Rat Lungworm meeting, funded by USDA-NIFA.
- Similarly, discussions with the CTAHR Buy Local - It Matters campaign organizers have created motivation toward the creating a Hawaii Food Counsel.

RESOURCES

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- Leung, PingSun and Loke, Matthew. 2008. Economic Impacts of Increasing Hawaii's Food Self-Sufficiency. [Online at <http://www.ctahr.hawaii.edu/oc/freepubs/pdf/EI-16.pdf>]
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- Southichack, Mana. 2007. Inshipment Trend and Its Implications on Hawaii's Food Security. Report to the Hawaii Department of Agriculture, Agriculture Development Division, Market Analysis and News.

Campus Reports

American Samoa Community College Campus Report

Prepared by: Dan Aga and Eseta I.P. Su'a-Kalio

- **The aftermath of the Tsunami** – The two Samoan Islands was struck by the earthquake & tsunami on September 29, 2009. The tsunami was generated by a magnitude-8.3 earthquake which struck 190 kilometers southwest of American Samoa. There were 34 lives taken away in American Samoa by the September 29 tragedy. The people of American Samoa are slowly recovering from this devastation.
- **Instruction** - Increased CNR's student enrollment by 30% by fall 2009. The 2008 fall semester enrollment was 33 students compared with 141 enrollment 2009 fall.
- **Research** - Submitted a USDA National Research Initiative competitive grant to document the barriers to healthy lifestyles in American Samoa. The grant proposal was awarded funding for \$100,000.
- **Extension** - Received grant funding for \$500,000 from the USFS to preserve and protect the Ottoville Lowland Rainforest and \$10,000 for grant administration (Forest Legacy). Wait for the US Congress's (Faleomavaega Eni Hunkin) office to seek a waiver for the matching requirement of \$167,000.
- **Forestry** – Two staff members of the ASCC CNR participated in the internship program funded by the Forestry PIPTIEM project. The purpose of the project is to prepare young professionals to lead terrestrial natural resource organizations. The two interns from ASCC, Mr. Tony Maugalei, Forestry crewmember and Mr. Johnny Ah Sue, Forestry Technician completed the course work of phase I at UH-Hilo during spring '09 then returned to American Samoa in late May'09 to work on the phase II which focused on the management and protection of the Pala Stream Watershed in the village of Nu'uuli, American Samoa. The final phase of their intern is to return to Hilo in March 2010 and present the focus project outcome.

University of Guam Campus Report

Prepared by: Lee Yudin and Annie Santos

WASC Reaffirms University of Guam Accreditation through 2017

The University of Guam made history when WASC reaffirmed its accreditation for another eight years. This is the longest period of re-accreditation in UOG's history. The WASC team visited the University of Guam campus March 31-April 2, 2009 and met with university administrators, faculty, staff, and students. Based on the outcomes from these meetings, they submitted their final report to the WASC Senior Commission, which then voted to grant UOG an eight-year reaffirmation of accreditation during its June 2009 meeting. The maximum period of reaffirmation of accreditation an institution can earn is ten years. The next site visit will occur in 2017.

Stimulus Funds

Of the \$17 million in stimulus funds received by the island of Guam, \$1.3 million was allocated to the University of Guam. These funds will be used towards the improvement of classrooms and building facilities on campus.

Faculty News

University of Guam faculty will be receiving a 2.5% salary increase effective January 19, 2010.

A new faculty was hired in CNAS under Cooperative Extension Service as an Assistant Professor in Consumer and Family Sciences: Nutrition/Community Health/Family Resources. Dr. Yvette Paulino received her doctorate degree in Epidemiology from the University of Hawaii. Dr. Paulino was a recipient of a scholarship from the Cancer Grant to pursue her doctorate back in Fall 2006. She is an alumna of the University of Guam receiving her bachelor's and master's degrees in Biology from UOG.

Island Issue: Military Buildup

The issue making the local headlines these past months is the anticipated military buildup on Guam. A series of public hearings are being held so that the local residents can voice any concerns they may have on the contents of the draft Environmental Impact Statement released by the military. This report provides a detailed account of how the Guam community will be affected by the changes caused by the buildup. Factors such as access to recreational locations, safety, quality of life, labor-related issues, population increase and associated effects, Chamorro interests such as sacred burial grounds and cultural sites, increases in traffic, utility requirements, small business opportunities, land use, educational facilities, public health and social services, local fishing industry, and tourism are some of the issues discussed in the draft report.