

KD-ABD-945-A

76419

Project Planning Authorization

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR, BUREAU FOR
SCIENCE AND TECHNOLOGY

THRU: S&T/FA, Bradshaw Langmaid (Acting)

FROM: S&T/AGR, David Bathrick

SUBJECT: Project Authorization Amendment for the Sustainable
Agriculture Systems Collaborative Research Support
Program - CRSP (Planning) Project 936-4193
(Doc. # 41931)

PROBLEM: The centrally-funded Sustainable Agriculture Systems
CRSP Planning project 936-4193 was authorized June 7, 1990. Your
authorization is requested to amend the project as specified below:

- a. to change the PACD from 9/30/91 to 9/30/92.
- b. to change the final obligation year from FY 1990 to FY 1991
- c. to increase the authorized centrally-funded LOP from
\$700,000 to \$2,330,000 from the Agriculture Rural
Development and Nutrition account.

Background: In FY 1990, A.I.D. began the planning phase of the
Sustainable Agriculture Systems Collaborative Research Support
Program. An amendment to the Cooperative Agreement
(DPE-5545-A-00-8068-00) between the National Academy of Sciences
(NAS) and A.I.D., administered by the Office of the Science
Advisor, was issued to provide A.I.D. with a conceptual framework
upon which to develop a global research and development plan for
addressing problems of natural resources management and
sustainable agriculture.

NAS convened a series of expert panel meetings to obtain the best
of the scientific community's expert knowledge in sustainable
agriculture. A February 15, 1991 report entitled "Toward
Sustainability: A Plan for Collaborative Research on Agriculture
and Natural Resource Management" was issued to A.I.D. The
NAS-appointed panel recommended that the program, which was
designated the Sustainable Agriculture and Natural Resource
Management Collaborative Research Support Program (SANREM/CRSP),
organize its research agenda around four themes:

- 1) integrated pest management which seeks to control pre- and
postharvest weeds, arthropod and vertebrate pests, and
pathogens using biological and cultural techniques along with
minimal levels of synthetic pesticides;

- 2) integrated nutrient management which seeks to provide plant nutrients through the optimal use of on-farm biological resources (including manures, plant rotations, cropping patterns, and legumes) and, where necessary, purchased inputs;
- 3) integrated institutional management which seeks to guide the complex interactions between food and fiber production and the policy, trade and political environments; and,
- 4) the social, economic, political context within which on-farm and off-farm activities take place in order to identify and suggest remedial steps that can help remove constraints to sustainability.

Three types of competitive grants were also recommended by the NRC Panel in order to carry out the project objectives and include:

- 1) planning grants which would encourage enhanced interdisciplinary interaction, on-site visits to potential host countries, and the development of links with cooperating institutions in the process of preparing and refining proposals for the core grant;
- 2) a research and development core grant which would support the long-term interdisciplinary collaborative research program on sustainable agriculture and natural resource management in one or more of the world's principal agroecosystems; and,
- 3) research support grants in support of the goals of the program and include type A grants to be awarded by the CRSP management entity and type B to be awarded by A.I.D. in support of promoting linkages among existing projects.

At the same time, the expert panel recommended that the Title XII CRSP guidelines be utilized to finalize the global research and development plan of the SANREM CRSP. A competitive process would be used to select the recipient of the planning grants and finally to select the best global research and development plan which would be used to negotiate the final core grant with a Title XII management entity.

This report was received by the BIFAD/AID Joint Committee on Agriculture Research and Development (JCARD) and accepted with the following changes:

- A.I.D. would issue three institutional planning grants instead of six as suggested in the NAS report.

- A.I.D. would issue up to 12 individual planning grants from scientists working through their institution and bidding only on parts of the total program. The NAS report did not include these individual planning grants in its recommendations.

-In the area of Pest Management, A.I.D. would issue a planning contract to an IQC contractor to design a CRSP or CRSP-like Pest Management program. A.I.D. would also strengthen its own technical capacity in the Pest Management area by retaining the expertise of a qualified integrated pest management specialist.

-Finally, A.I.D. would begin to build its institutional capacity in the area of sustainable agricultural systems by supporting activities in information management and technical experts qualified to address issues of integration of sustainable agriculture systems, etc.

The purpose of this project authorization amendment is to permit A.I.D. to continue the planning phase of the SANREM/CRSP. The result of the activities described in the following sections will be to implement the NAS/JCARD/A.I.D. recommendations for aiming at the final design of the SANREM CRSP.

Discussion: The Office of Agriculture proposes an extension of this project's PACD to 9/30/92. This extension will be comprised of four parts as follows:

PART A: Amended Scope of Work for the existing Cooperative Agreement (DPE-5545-A-00-8068-00). This part will provide for the continued NAS involvement in the review of technical designs. This provides a unique opportunity to complete the planning effort with an institution fully aware of the technical and institutional issues involved in an extremely complex and interdisciplinary project.

The NAS will appoint an expert panel to review and rank order the proposals and identify proposals that merit receipt of planning grants. Subsequently, the NAS will review and rank order final global research and development plans for the CRSP.

PART B: Issuance of Planning Grants/Contracts. This part will support the contracting process as described in the CRSP guidelines for the award of the final global research and development plan by funding a limited number of planning grants to institutions and individuals thereby allowing them to strengthen their design and broaden international participation.

A.I.D., will receive from NAS a technical peer review and a rank ordering of the proposals for the overall project design submitted by universities/consortia, etc. Another rank order will be provided by NAS of the proposals submitted by the individual scientists bidding on individual element(s) of the project.

Up to three comprehensive planning grants will be awarded by A.I.D. to finalize the research proposals in the form of global research plans as described in the CRSP guidelines, conduct site visits to confirm feasibility of their technical plan, arrive at an institutional arrangement for a management entity for the project, and assist efforts to integrate individual grantees into the overall global plan.

A.I.D. will issue up to twelve individual planning grants, not to exceed \$15,000 each, to permit the individual scientists, working with their institutions, to finalize their technical plans and demonstrate how they plan to integrate their work into the broader global plan being developed for the proposed Sustainable Agriculture and Natural Resource Management CRSP program by the recipients of the three comprehensive grants.

A.I.D. will also issue a contract for the Pest Management planning activity under an Indefinite Quantity Contract (IQC). This component will provide a plan for a collaborative, prioritized approach to overcoming constraints to the development and implementation of economically and environmentally sound crop and livestock protection methods through integrated pest management (IPM).

PART C: Information Management Services Agreement.

This part will support the knowledge building activities of the sustainable agriculture and natural resource management areas by concentrating on enhancing information access, retrieval, and sharing among researchers working in theme areas which support the Agency's developmental activities in this sector.

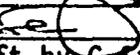
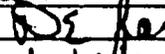
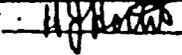
To support the Office of Agriculture's portfolio, including the new proposed sustainable agriculture CRSP and other associated CRSP and non-CRSP research activities, an integrated set of information sharing and monitoring activities related to international sustainable agricultural and natural resource management research activities will need to be developed to communicate research findings and increase the efficiency and creativity of ongoing and planned research. Additional program staff will need to be acquired also to help guide and review research activities, and to provide support to professional staff already involved in these activities.

PART D: Integrated Pest Management Specialist. In FY 1990 S&T/AGR brought on board a qualified integrated pest management specialist to address the Congress' interest as well as A.I.D.'s. This component of the Sustainable Agriculture Systems project will continue to support the Integrated Pest Management Specialist to address integrated pest management which is a critical element in sustainable agricultural programs.

FUNDING: PART A: \$250,000 will be obligated through the existing Cooperative Agreement with NAS, PART B: \$1,030,000 for the issuance of institutional and individual planning grants and the Integrated Pest Management IQC, PART C: \$220,000 for the establishment of an Information Management Services Agreement, PART D: \$130,000 will be provided to an existing Task Order contract (Task Order IV with T. Head and Company) for the continued services of the Integrated Pest Management specialist.

RECOMMENDATION: That you sign the attached project Amendment Number 1.

Clearances:

| | | |
|--|---|--------------|
| S&T/AGR/EPP:VCusumano |  | Date 5/20 |
| S&T/AGR:JBonner |  | Date 5/20 |
| S&T/AGR:ECarter |  | Date 5/21/90 |
| GC/S&T:GWinter(In draft by E.Stephenson) | | Date 5/20/91 |
| SCI:HLarew |  | Date 5/28/91 |
| S&T/PO:DSheldon |  | Date 5/31/91 |
| S&T/RD:WDouglass |  | Date 5/27/91 |
| S&T/AGR/AP:HHortik |  | Date 5/31/91 |

Attachments:

- Project Data Sheet
- Project Authorization Amendment Sheet

PROJECT DATA SHEET

1. TRANSACTION CODE

C
A = Add
C = Change
D = Delete

Amendment Number

1

DOCUMENT CODE

3

COUNTRY/ENTITY

Worldwide

1. PROJECT NUMBER

936-4193

6. BUREAU/OFFICE

S&T/AGR

2. PROJECT TITLE (maximum 40 characters)

Sustainable Agr. Systems-CRSP Planning

4. PROJECT ASSISTANCE COMPLETION DATE (PACD)

MM DD YY
09/30/92

2. ESTIMATED DATE OF OBLIGATION

(Order "A" below, enter 1, 2, 3, or 4)

A. Month FY 90 B. Quarter

C. Final FY 91

8. COSTS (\$000 OR EQUIVALENT \$) =

| A. FUNDING SOURCE | FISCAL FY 90 | | | LIFE OF PROJECT | | |
|------------------------|--------------|----------|------------|-----------------|----------|--------------|
| | B. FX | C. L/C | D. Total | E. FX | F. L/C | G. Total |
| AID Appropriated Total | 700 | - | 700 | 2,330 | - | 2,330 |
| (Grant) S&T/AGR | (500) | (-) | (500) | (1,935) | (-) | (1,935) |
| S&T/RD | (200) | (-) | (200) | (395) | (-) | (395) |
| Other: L | | | | | | |
| U.S. 2 | | | | | | |
| Host Country | | | | | | |
| Other Donor(s) | | | | | | |
| TOTALS | 700 | - | 700 | 2,330 | - | 2,330 |

9. SCHEDULE OF AID FUNDING (\$000)

| A. APPROPRIATION | B. PRIMARY PURPOSE CODE | C. PRIMARY TECH CODE | | D. OBLIGATIONS TO DATE | | E. AMOUNT APPROVED THIS ACTION | | F. LIFE OF PROJECT | |
|------------------|-------------------------|----------------------|---------|------------------------|----------|--------------------------------|----------|--------------------|----------|
| | | 1. Grant | 2. Loan | 1. Grant | 2. Loan | 1. Grant | 2. Loan | 1. Grant | 2. Loan |
| (1) ARDN | 141 | 099 | | 700 | - | 1,630 | - | 2,330 | - |
| (2) | | | | | | | | | |
| (3) | | | | | | | | | |
| (4) | | | | | | | | | |
| TOTALS | | | | 700 | - | 1,630 | - | 2,330 | - |

10. SECONDARY TECHNICAL CODES (minimum 8 codes of 3 positions each)

059 | 069 | 053

11. SECONDARY PURPOSE CODE

121

12. SPECIAL CONCERNS CODES (minimum 2 codes of 4 positions each)

| A. Code | R/AG | BR | INTR | X11 |
|-----------|-------|-------|-------|-------|
| B. Amount | 2,330 | 2,330 | 2,330 | 2,330 |

13. PROJECT PURPOSE (maximum 400 characters).

To identify constraints to development of sustainable agricultural systems and to prepare a research plan for a program that will bring about sustainable agriculture in developing countries.

14. SCHEDULED EVALUATIONS

Location MM YY MM YY Final MM YY

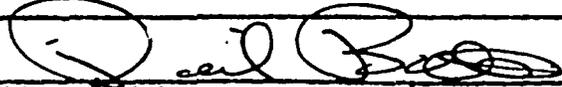
15. SOURCE/ORIGIN OF GOODS AND SERVICES

000 941 Local Other (Specify)

16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a _____ page PP. Amendments)

- To change the PACD from 9/30/91 to 9/30/92.
- To change the final year of obligation from FY 1990 to FY 1991
- To increase the authorized centrally-funded LOP from \$700,000 to \$2,330,000. from the Agricultural Rural Development and Nutrition account.

17. APPROVED BY

Signature: 
 Title: David Bathrick
 Director
 S&T/AGR

Date Signed: MM DD YY
 | | | | | |

18. DATE DOCUMENT RECEIVED BY AID/M, OR FOR AID/M DOCUMENTS, DATE OF DISTRIBUTION

MM DD YY
 11/28/91

PROJECT AUTHORIZATION AMENDMENT NUMBER 1

Name of Project : Sustainable Agriculture Systems
Collaborative Research Support Program - CRSP
(Planning)

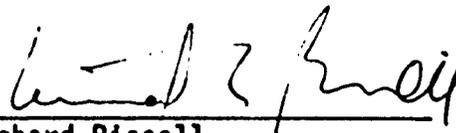
Number of Project: 936-4193

Country : Worldwide

1. Pursuant to Section 103 of the Foreign Assistance Act of 1961, as amended, the Sustainable Agriculture Systems, Collaborative Research Support Program - CRSP (Planning) project was authorized on June 7, 1990. That authorization is hereby amended as follows:

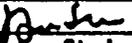
- a. The authorized centrally-funded life-of-project funding is increased from \$700,000 to \$2,330,000.
- b. The final obligation year is changed from FY 1990 to FY 1991.
- c. The PACD is changed from 9/30/91 to 9/30/92.

2. The authorization cited above remains in force except as hereby amended.

Signature: 
Richard Bissell
Assistant Administrator
Bureau for Science and
Technology

Date: 5/31/91

Clearances:

| | |
|--|--------------|
| S&T/AGR/EPP:VCusumano <u></u> | Date |
| S&T/AGR:ECarter <u></u> | Date 5/21/91 |
| SCI:HLarew <u></u> | Date 5/28/91 |
| GC/S&T:GWinter (In draft by C. Stephenson) | Date 5/20/91 |
| S&T/RD:WDouglas <u></u> | Date 5/27/91 |
| S&T/AGR/AP:BHortik <u></u> | Date 6/21/91 |

S&T/AGR:JBonner/MBIakeney:4/8/91:WANG#8214e