

Project SN-2
2000 Annual Report

October 2000

**“Partnerships for Agricultural Research
and Development”**


UNIDAD DE INFORMACION Y
DOCUMENTACION

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Overview of Project SN-2

Title

“Linkages with NARS: Enhancing Private and Public Linkages for Agricultural Research and Development”

Objective

To help increase the effectiveness of national, regional, and global agricultural research and development systems by building partnerships, sharing information, developing human resources, and promoting collaboration between countries and institutions.

Outputs

The major outputs expected include:

- Local and regional consortia and networks that integrate the R&D plans of private and public sectors for selected commodities and agroecosystems.
- Trained national program personnel.
- Global agricultural R&D networks for sharing information, prioritizing research issues, and promoting horizontal collaboration.
- Regional agricultural research projects identified and formulated in cooperation with NARS.

Gains

Information exchange, sharing of results, and research prioritization will lead to more effective and efficient use of the human and financial resources dedicated to agricultural R&D. Farmers, processors, and consumers will have better and quicker access to new knowledge, research tools and methodologies, and technology components.

Milestones to Reach in 2001-2003

- Continued implementation of a training strategy, which contributes to the integration of agricultural research agendas and rural development projects within the NARS.
- Institutional information and documentation services will be supplied through modern electronic systems, which have been developed in cooperation with NARS and other CGIAR centers.

- The international community—research partners, donors, and NARS—will be informed of CIAT’s institutional mission, research capacity and capabilities, and available research outputs through the implementation of a communications and public awareness strategy.
- An institutional consultation mechanism will allow CIAT to be an active and proactive partner in the formulation and implementation of the most important research and development projects developed in the different ecoregions of Latin America, Africa, and Asia.

Users

- Direct beneficiaries include developing country institutions (both public and private) engaged in research and development related to CIAT’s mandated responsibilities.
- International and regional organizations.
- Developed-country agencies that dedicate resources to basic and applied research and to technical cooperation in developing countries.
- Donors that finance bilateral and multilateral R&D activities.

Collaborators

- Public and private-sector institutions involved in agricultural R&D, principally in Latin America but also in Asia and Africa, for consortium and network development, training, and communications.
- Specialized research institutes in both developed and developing countries.
- CIAT’s donors.
- IARCs collaborating with CIAT projects.

CGIAR System Linkages

Strengthening NARS (i.e., Training, Information, Organization and Management, and Networks) (100%).

CIAT Project Linkages

- Coordinate training activities and conferences carried out by all other research projects at CIAT.
- Coordinate joint resource mobilization efforts of CIAT projects and NARS oriented toward strengthening NARS.

Log Frame

Area: Regional Cooperation
Manager: Rafael Posada

| Narrative summary | Measurable indicators | Means of verification | Important assumptions |
|--|---|---|--|
| <p>Goal Knowledge and expertise for enhancing performance of decision making in agricultural and development sectors are made accessible to appropriate users.</p> | <p>Improved performance of NARS and regional programs.</p> | <ul style="list-style-type: none"> • Impact studies by CIAT and partners. • NARS technical reports. | |
| <p>Purposes To transfer and encourage adoption of deliverable research outputs, facilitated by consultation with all partners strengthening NARS; develop public awareness strategies; and set up training, documentation, and information activities.</p> | <ul style="list-style-type: none"> • Adoption of CIAT's deliverable outputs. • Recognition of the contribution and impact of CIAT's research. | <ul style="list-style-type: none"> • NARS technical reports. • Donor publications and public recognition. | <p>NARS willing to adopt CIAT's outputs.</p> |
| <p>Outputs</p> <ol style="list-style-type: none"> 1. Institutional cooperation strategy in place. 2. Strengthening of relationships with key regional programs, CGIAR members, NGOs, research institutes, and universities. 3. Information routinely available to NARS. 4. Document collections and databases established. 5. Electronic delivery and publishing methods in place. 6. Technical and promotional materials developed. 7. Implementation of a training strategy. | <ul style="list-style-type: none"> • Fulfillment of the commitments set in annual work plans and responsibility performance agreements. • Publications of technical and scientific materials. • Number of consultations and reference distribution. • Number of training and conference events. • Number of agreements for current activities. • NARS use CIAT's research agendas and deliverable outputs. • CIAT research projects' increased awareness of agricultural sector's needs. | <ul style="list-style-type: none"> • Staff annual evaluations. • Directorship annual reports. • CIAT's active participation in major regional planning, priority setting, and negotiation events. • CIAT's participation in major regional agricultural research initiatives. | <p>CIAT's deliverable outputs are available.</p> |

Introduction

Project SN-2 is a support, rather than a research, project. TAC (of CGIAR) requires all activities related to collaboration and cooperation toward strengthening national agricultural research systems (NARS) be reported as a single activity. CIAT, in accordance with its internal organization of project administration, has grouped such activities under Project SN-2, "Linkages with NARS: enhancing private and public linkages for agricultural research and development".

As the objective in "Overview" states, the different components of this project are to facilitate the interactions and relationships of CIAT research projects with their counterparts in the NARS. Four major instruments are being used to reach this goal:

- *The Office of the Directorate for Regional Cooperation.* This Office coordinates Project SN-2. Its major responsibility is to monitor the demands and needs of agricultural research and rural development partners in Latin America, Africa, and Asia. The Directorate also coordinates and monitors the agreements and letters of understanding for cooperation that are signed by CIAT and its partners. The research projects themselves execute and implement these agreements and letters of understanding.
- *The Communications Unit* provides and assists CIAT research projects to communicate their research results, accomplishments, and difficulties to the donor community, NARS decision makers, and research peers. Both print and electronic media are used to reach this objective. The Unit also maintains an aggressive public awareness campaign to demonstrate CIAT's work and contributions toward poverty alleviation and the sustainable use of natural resources.
- *The Information and Documentation Unit* supports CIAT scientists and NARS researchers by providing comprehensive information services. This Unit identifies information needs; collects, organizes, and disseminates scientific and technical information; and trains users in the latest electronic techniques for information searches. The Unit also keeps abreast in the identification and implementation of new methods and technologies to improve researchers' access to information.
- *The Training and Conferences Unit* supports CIAT research projects in their transfer activities. It provides logistic support for the formulation, promotion, and execution of two types of training instruments: multidisciplinary courses and specialization courses. The Unit also coordinates individual training within CIAT research projects, through doctoral dissertations, postgraduate monographs, and short-term student practices.

Outputs

1. *Institutional Cooperation Strategy in Place*

- During year 2000, relationships with our Latin American partners were maintained and, in some cases, strengthened. Close relationships were kept with Colombia, Brazil, Peru, Honduras, and Nicaragua. Efforts to reach general cooperation agreements with Venezuela, Guyana, Mexico, and Bolivia were constrained by internal and governmental changes in these countries.
- Thirteen new agreements and letters of understanding for cooperation were signed during year 2000. Five agreements were with NGOs to conduct joint research field activities, three with national governmental agencies to provide scientific and technical support, another three with advanced research institutions to provide scientific and technical support and for placing CIAT staff in their laboratories, one agreement was with a local university to allow students to conduct in-service training at CIAT, and, lastly, one agreement was made with another local university to implement a telecenters project.
- The Director for Regional Cooperation is a full Board Member of CORPOICA at the national level, and a member of CORPOICA for the local research assembly.
- Two institutions requested that their research facilities be incorporated into CIAT's campus this year. One was from the Universidad del Valle who wanted to install a monkey colony belonging to their Health Department. The request was denied after extensive consultation with CIAT staff. The second request came from the Colombian Grape Research Center, which was accepted, given the high research complementarity between the two centers.

2. *Relationships with Key Regional Partners*

- CIAT was chosen as the executor of the agricultural research and technical assistance program that the Colombian Government is to provide to the Guyanese Ministry of Agriculture under an agreement signed with the Organization of American States (OAS).
- Close contact was maintained with the following regional programs: PROCISUR, PROCITROPICOS, PROCIANDINO, PROCICARIBE, SICTA, and,

recently, with FORAGRO.¹ The main output is a close monitoring of the regional agricultural research and rural development priorities that are currently being used to prepare CIAT's Strategic Plan.

- CIAT was reinstated in the Global Steering Group for the Alternatives to Slash-and-Burn Programme (ASB), which is convened by the International Centre for Research in Agroforestry (ICRAF). CIAT plans to lead a comprehensive research approach for the Amazonian subregion with the ASB's support.
- CIAT developed a general framework to support strategic alliances with several universities to provide key and relevant research opportunities for their graduate students. Initial contacts were made with the University of Guelph, the Florida State University, the Wageningen Agricultural University, and the Hohenheim University.
- Using the same approach, CIAT has supported CORPOICA's efforts to establish a tropical agriculture graduate school in Colombia, and the Universidad Nacional—Palmira in launching a new Master of Science degree, with emphasis on genetic resources.
- Joint research activities in the areas of biotechnology and participatory research were carried out in Peru with the Universidad Nacional Mayor de San Marcos and the Universidad Nacional Agraria "La Molina", respectively.
- CIAT provided coordination and logistical support in the implementation of development-oriented activities carried out in the Andean Region in collaboration with the Consorcio para el Desarrollo Sostenible de la Ecorregión Andina (CONDESAN), the Centro Internacional de la Papa (CIP), and CIAT.
- A local (Colombian) cluster to promote industrial applications in the area of biotechnology is being promoted in cooperation with BIOTEC and the Centro de Investigación de la Caña de Azúcar de Colombia (CENICAÑA).
- The Director for Regional Cooperation is also responsible for the coordination and management of funds received from several entities. These include:

1. PROCISUR = Programa Cooperativo para el Desarrollo Tecnológico Agropecuario del Cono Sur;
PROCITROPICOS = Programa Cooperativo de Investigación y Transferencia de Tecnología para los Trópicos Suramericanos;
PROCIANDINO = Programa Cooperativo de Investigación y Transferencia de Tecnología Agropecuaria para la Subregión Andina;
PROCICARIBE = Program for Cooperation of Institutes of Agricultural Science and Technology in the Caribbean;
SICTA = Sistema de Integración Centroamericano de Tecnología Agrícola;
FORAGRO = Foro Regional de Investigación y Desarrollo Tecnológico Agropecuario.

- i. The Special Cooperation Agreement No. 071 with the Colombian Ministerio de Agricultura y Desarrollo Rural (MADR): US\$1.5 million.
- ii. The Cassava Research Agreement No. 128 with the Colombian Ministerio de Agricultura y Desarrollo Rural (MADR): US\$250,000.
- iii. Project No. 135 on the Modernization and Promotion of Cassava with the Colombian Ministerio de Agricultura y Desarrollo Rural (MADR): US\$500,000.
- iv. EMBRAPA's (Brazil) contributions to the CGIAR of US\$500,000.
- v. The Wageningen Agricultural University's financial support for a specialist in genetic resistance outposted to Ecuador: US\$250,000.
- vi. The Hohenheim University's special support for cooperation between the Universidade Federal de Uberlândia (Brazil) and CIAT to compile and analyze GIS data: US\$40,000.
- vii. The Agencia Española de Cooperación Técnica technical support for training 31 Latin American researchers in natural resource management: US\$32,000.
- viii. The OAS and the Instituto Colombiano de Crédito Educativo y Estudios Técnicos en el Exterior (ICETEX), Colombia, provided financial support for a course in Agroenterprise and Agricultural Market Development: US\$20,000.

3. ***Information Routinely Available to NARS***

- The Communications Unit distributed nearly 14,000 copies of various free periodical publications, mainly *CIAT in Perspective* (our corporate annual report) and *Growing Affinities* (our biannual institutional bulletin), including both the English and Spanish editions. We also sold about 4,200 copies of CIAT technical books, generating US\$26,395 in income, which defrayed the costs of printing and shipping publications.
- To its Home Page, the Library added new sites and useful techniques for searching and recovering information to benefit the CIAT community and visitors to this page (15,130 visitors).
- A bibliographic database on the Colombian Orinoquía was created from research documents related to this topic and available at the CIAT Library.

4. Document Collections and Databases Established

- The implementation of the ALEPH-Integrated Library System was finished, including for cataloging, circulation, acquisitions, and serials control. Two modules were developed to share resources with other information systems. These were:
 - i. An interface was developed to pass information from our ALEPH system to the FAO's AGRIS format.
 - ii. Another interface was also developed between the ALEPH system and the AS/400 to continue payments to suppliers through the accounting system.
- About 3500 records were added to the database, 30% being accompanied by abstracts.
- All books borrowed as working tools during the last 10 years (1990-1999) were recovered and registered in the ALEPH system (395 books).
- More than 5000 requests for information on diverse agricultural and related topics were attended.
- With the acquisition of a new CD-Server, access through the internal LAN to all databases available in CD-ROM (e.g., AGRICOLA, AGRIS, CAB, and BIOSIS) was improved.
- Access to electronic journals with complete text was increased, with 65 new holdings in the areas of agriculture and biological sciences.
- Outposted scientific personnel received improved information services through subscription to the following services:
 - Journal Storage (JSTOR, 117 journals)
 - Cost Funding Opportunities
 - FirstSearch, which gives library users instant online access to more than 80 databases

5. Electronic Delivery and Publishing Methods in Place

- About 270 electronic documents were received through ARIEL, and the Library sent another 600 documents in electronic form through PROSPERO.
- The Information and Documentation Unit and editorial staff at the Communications Unit cooperated to establish a joint procedure for publishing

scientific information in electronic form. The first product of this effort is a Spanish-language CD-ROM version of a workshop proceedings on participatory plant breeding, *Fitomejoramiento participativo en América Latina y el Caribe*. The workshop was organized last year by the Participatory Research and Gender Analysis (PRGA) Program of the CGIAR. Because this approach permits considerable savings in printing and distribution costs, the Unit will encourage CIAT-related projects to publish lengthy documents in electronic form and make them available either on World Wide Web or in CD-ROM format.

GIS specialists of CIAT's Land Use Project published a CD-ROM, entitled *Plan Básico de Ordenamiento Territorial*, for the municipality of Puerto López in the Colombian Department of Meta. This easy-to-use, computerized, land-resource-planning tool is based on a commercial program called MapMaker Popular. It was developed in close collaboration with local land-use planners, using a participatory approach. The tool is designed to help municipalities plan according to their needs and aspirations, thereby increasing the chances of the land-use plan being put into practice.

The Communications Unit, as an active member of the Web Support Group, continues to support Web publishing at CIAT. New subsites were established for the Center's Analytical Services Laboratory and Beans Project. Overall, however, Web publishing at CIAT is proceeding slowly. To improve and quicken the process, a Web publishing consultant was brought in from Burness Communications, a U.S. public relations firm with whom the Unit has worked closely in recent years. The consultant's report and internal discussions led to the Unit preparing and circulating a document entitled *The Future of Web Publishing at CIAT*. The document reviews Web publishing at CIAT, charts two alternative courses for improvement, and calls for stronger support of this work from the Center's management.

In November 1999, the International Development Research Centre (IDRC) approved a proposal for the InforCauca project, whose purpose is to develop community telecenter models for promoting sustainable agricultural development in three marginalized communities of southwestern Colombia. Telecenters are public facilities that provide access to information and communications technologies, particularly Internet.

The project selected three telecenter sites; hired a local, highly qualified, communications specialist to coordinate telecenter activities; and helped identify two half-time operators for each center. The operators, together with other employees of community partner organizations, received intensive training in various computer programs during August. The basic package of computer hardware and software was then purchased and installed. All three telecenters are now operational, with access to Internet.

Each telecenter is now in the vital process of defining a development plan and operational model. This requires answers to several key questions, such as: On which specific community needs or issues will telecenters focus primarily? What mix of services will each telecenter offer the local community and on what terms? Exactly how can telecenters further the work of the project's community partner organizations and become integrated into their activities?

The project also organized its own management structure, consolidating the institutional framework for project activities, securing firm commitments from project partners and clarifying their roles to ensure that the project works smoothly toward its objectives.

- To complement "InforCauca", another project proposal, this time for *Evaluating and Enhancing the Impact of Community Telecenters*, was submitted, and approved in October of this year for funding by the Rockefeller's Communications and Food Security Programs. This new, 3-year project will enable the Unit to involve CIAT projects more fully in the evaluation of telecenter impacts and in the development of Web-based applications that will help telecenters increase their impact through support to small agroenterprise development and participatory research.

6. Technical and Promotional Materials Developed

- Four major technical books were published over the last year, down from 10 titles in 1999. Themes included various participatory research approaches. Two issues of the journal *Pasturas Tropicales* were also published.
- The Center's corporate annual report, *CIAT in Perspective 1999-2000: Anatomy of Impact*, was published in October, in time for distribution to donors and others at International Centers' Week in Washington, DC. Focusing on impact assessment, the report describes recent experience and thinking on this theme in two donor organizations (IDRC and GTZ), includes an interview with Andrew Bennett of DFID, describes CIAT's own approach to impact assessment, and documents the impact already achieved or being generated through the Center's cooperative research in Africa, Asia, and Latin America.
- A full-color brochure, *Productos de tecnología agrícola para cambiarle la cara a Colombia*, was produced for an upcoming press event, designed to publicize the impact of the special agreement for technical cooperation between CIAT and the Colombian Ministry of Agriculture and Rural Development. Eleven products of the cooperation were described.
- The Unit worked closely with the PRGA Program to publish *Equity, Well-Being, and Ecosystem Health: Participatory Research for Natural Resource Management*. This promotional booklet summarizes the work of 14 projects in

which "Future Harvest" Centers and their partners are developing and practicing participatory research methods aimed at improving the management of single natural resources—biodiversity, soil, or water—and multiple and common-property resources.

- CIAT's activities were mentioned in at least 70 articles in the print media of its host country, including major dailies such as *El Tiempo*, *El Espectador*, *El País*, and *El Colombiano* and specialized media such as *Innovación y Ciencia*, *Agrozona.com*, and university publications. Because these articles were those that could be recovered, the actual number may have been higher, especially if other Latin American countries are to be included. We also counted another 27 articles in media Web sites. All these articles were largely the product of 16 press releases prepared by the Communications Unit over the last year, reinforced by personal contact with journalists. The Unit managed to maintain considerable momentum in its media relations work, even though the staff member concerned had assumed new and major responsibilities within the InforCauca Project.

CIAT's work also received some coverage in developed country media, such as *US News and World Report* (a major U.S. news magazine), *America News Service*, and *Iwate Nippo* in Japan. Two major articles on CIAT's GIS work were also published, one in *Américas* (published by the OAS) and the other in *GeoWorld* (an international GIS magazine).

- In addition, we planned a major promotion of a story about the application of *FloraMap* and other GIS tools in planning an emergency effort to collect endangered wild peanut species in Bolivia. We've had to delay this promotion, however, until IPGRI scientists receive government permission to make a collection trip, which is expected to take place in March or April 2001.

- The Unit is collaborating with a U.S. freelance writer to publish, in November or December 2000, a story on CIAT's efforts to contest a patent granted to a U.S. seed company for a yellow-seeded bean variety obtained from Mexico. This story will send a clear message that the Future Harvest Centers are prepared to take an activist, progressive stand on intellectual property rights in defense of the rights of developing countries from which valuable plant genetic resources have been obtained.

7. Implementation of a Training Strategy

- Twenty-three professionals from nine Latin American countries attended an international training workshop on *Electronic Dissemination of Agricultural Publications in Latin America*, conducted by FAO-WAICENT, REDCAPA, and the Universidad Nacional Agraria "La Molina" in Peru.

- More than 400 visitors from diverse institutions received orientation on information services and resources. More than 400 CIAT staff attended 50 demonstrations of databases and other information resources.
- The paper *Access to Information on Orinoquía* was presented at the *II Regional Seminar of Science and Technology: Colombian Orinoquía*, held at Villavicencio, Colombia. The theme was on how to contribute to the popularization and use of scientific information and techniques.
- CIAT continued responding to demands for training of professionals from developing country NARS and developed countries.
 - i. As a result of its training strategy, CIAT offered the largest number of advanced courses in many years, which, together with other training modalities, resulted in a record of 464 persons (47% of whom were women) trained at headquarters in one year.
 - ii. A total of 436 professionals at graduate level and 28 at undergraduate level were trained at CIAT headquarters from November 1999 to October 2000. Of these, 426 were from Colombia, in particular, and other Latin American and Caribbean countries, 30 from developed countries, and 4 from Asia and Africa. They were distributed in the training categories as follows:
 - Specialized courses: 260
 - Students in practicum: 25
 - Specialized in-service training: 122
 - MSc theses: 8
 - PhD dissertations: 21
 - Undergraduate theses: 28
 - iii. The 12 specialized courses were offered in the areas of GIS, identifying crop resistance to diseases, participatory research, agrobiodiversity, bean production, developing a municipal territorial plan, rural agroenterprises rice breeding, pasture entomology, and cassava production and processing (Table 1, Appendix 5).
 - iv. Demand for training at CIAT was much higher than it was the previous year. Demand for in-service training at CIAT continues to be higher than our in-house capacity, resulting in many applications being postponed to year 2001.
 - v. CIAT's scientific and support staff dedicated more than 805 person-months to training activities during the reporting period.

- vi. As in previous years, the NARS continued making significant financial contributions to cover the direct costs of training their professionals at CIAT. Other organizations such as the OAS and ICETEX (Colombia) continued supporting our international training events.
- vii. For the NARS, training in geographic information systems (GIS) and biotechnology is of the highest priority, followed by training in cassava, forages, and rice.
- viii. To train our partners in project management, CIAT introduced, for the first time, a module on the design, development, implementation, and evaluation of modern projects. This topic was considered as valuable by advanced-course participants, who usually have had no training in this important area. This topic will therefore be included in the next year's courses.
- ix. Because demand for advanced courses at CIAT is so great, we are planning to conduct specific courses on rice breeding and genetic resources in cooperation with NARIs such as EMBRAPA in Brazil and INIFAP in Mexico for professionals from those institutions and other selected countries.
- x. The number of professionals conducting research for their doctoral degrees doubled from last year.
- xi. CIAT continues to provide a program for undergraduate thesis research for young researchers from Colombian universities.
- xii. The Colombian Ministry of Agriculture and Rural Development, through a special cooperative agreement with CIAT, financed most of the advanced courses held this year.

- The Conferences Unit supported 11 major international events (Table 2, Appendix 5).

- The Visitors Office received 1815 visitors during this reporting period. About 37% were school children from local high schools who came on educational visits, 58% were scientists who were either visiting or had come to meetings, 2% were journalists interested in writing stories on CIAT, and the remaining 3% were miscellaneous visitors, most of whom wanted to know CIAT.

Staff of the Office of the Directorate for Regional Cooperation

| | |
|---------------|------------------------------|
| Rafael Posada | Director and Project Manager |
| Yoland Rincón | Bilingual Secretary |

Communications Unit and Its Graphic Arts Section

General Office

Nathan Russell, Head
Alberto García, Administrative Assistant
Rebeca Bolaños, Secretary
Francisco Motta, Editor (Spanish)
Gladys Rodríguez, Editorial Assistant
Lynn Menéndez, Translator
Eduardo Figueroa, Journalist
Silvia Pérez, Communications Assistant
Henry Marín, Publications Distribution Clerk

Graphic Arts Section

Julio César Martínez, Supervisor and Senior Designer
Isabel Díaz, Secretary
Camilo Oliveros, Designer
Oscar Idárraga, Designer
Jorge Gallego, Web Site Designer
Mario Holguín, Print Shop Supervisor
Neydú Arias, Print Shop Assistant
Fernando Pino, Photographer (on leave)
Alfredo Camacho, Photographer
Juan Carlos Quintana, Photographer

Information and Documentation Unit

| | |
|---------------------|------------------------------|
| Carlos Saa | Programmer and Acting Head |
| Mariano Mejía | Coordinator, Public Services |
| Martín Satizabal | Public Services |
| Zulma Piñeros | Documentalist |
| Olga Lucía González | Reference Desk |
| Rommel Durán | Public Services |
| María Eugenia Reyes | Photocopying Service |
| Jairo Sandoval | Acquisitions |
| Fernando Monroy | Serials |

Training and Conferences Unit

| | |
|--------------------|---|
| Alfredo Caldas | Coordinator, Scientific Training |
| Eleonora Izquierdo | Bilingual Secretary |
| David Salgado | Administrative Auxiliary |
| María Eugenia Cobo | Administrative Assistant, Conferences and Visitors' Office |
| Patricia Fajardo | Bilingual Secretary |
| César Otero | Audiovisuals Technician |
| Jorge Méndez | Audiovisuals Technician |
| Guillermo Saavedra | Motorist |

Appendix 1

Agreements and Letters of Understanding

Code: CF-A.3.B.23.72 (193)
Title: *Convenio de Cooperación Técnica para la Ejecución del Proyecto "Asistencia Programa de Modernización de Yuca a Nivel Nacional"* between CIAT and the Colombian Ministerio de Agricultura y Desarrollo Rural (MADR)
Signatories: Rafael Posada and Rodrigo Villalba
Place: MADR
Dates in force: December 1999 to December 2000
Country: Colombia

Code: CF-A-3.B.23.73 (194)
Title: *Convenio Especial de Cooperación Técnica y Científica para Generar Tecnologías en Beneficio de los Sistemas de Producción Agropecuarios en el Cultivo de la Yuca* between CIAT and the Colombian Ministerio de Agricultura y Desarrollo Rural (MADR)
Signatories: Rafael Posada and Rodrigo Villalba
Place: MADR
Dates in force: 20 December 1999 to 20 December 2000
Country: Colombia

Code: CF-A.2.27 (195)
Title: *Carta de Entendimiento para Realizar Actividades de Fortalecimiento de Agroempresas en Proyectos de Desarrollo Local* between CIAT and the Instituto Interamericano de Cooperación para la Agricultura (IICA-ACT), Ecuador
Signatories: Rupert Best and Hugo A. Torres
Place: IICA-ACT, Ecuador
Dates in force: 11 February 2000 to 11 February 2005
Country: Ecuador

Code: CF-A.1.15 (197)
Title: *Carta de Entendimiento para Desarrollar Actividades de Rubén Darío Estrada* between CIAT, CIP, and CONDESAN
Signatories: Rafael Posada, Hubert Zandstra, and Joshua Posner
Place: CIP and CONDESAN
Dates in force: 18 April 2000 to 18 April 2002
Country: Peru

Code: CF-A-3.C.2.3 (198)
Title: *Convenio Especial de Cooperación* between CIAT and IRD
Signatories: Aart van Schoonhoven and Valérie Verdier
Place: IRD
Dates in force: 1 September 1999 to 1 September 2001
Country: France

Code: CF-A.3.B.23.75 (199)
Title: *Convenio de Colaboración Técnica* between CIAT, Corporación Socioecológica para el Futuro de Bolívar, Valle (Ecofuturo), and Corporación Vallecaucana de las Cuencas Hidrográficas y el Medio Ambiente (Corpocuenas)
Signatories: José I. Sanz, Guillermo Hurtado, and Patricia Madrid L.
Place: Corpocuenas and Ecofuturo
Dates in force: 20 June 2000 to 23 July 2001
Country: Colombia

Code: CF-A.3.B.23.76 (200)
Title: *Convenio para Ajustes e Implementación de los Modelos FloraMap y Marsin* between CIAT and IDEAM
Signatories: Peter Jones and Pablo Leyva
Place: IDEAM
Dates in force: 1 August 2000 to 1 August 2001
Country: Colombia

Code: CF-A.3.B.1.7 (201)
Title: *Convenio* between Fundación Ecotrópica and CIAT
Signatories: Fundación Ecotrópica and Michael Peters
Place: Fundación Ecotrópica
Dates in force: 1 April 2000 to 31 March 2001
Country: Costa Rica

Code: CF-A.3.B.7.7 (202)
Title: *Convenio* between Servicios Técnicos para el Desarrollo Sostenible (Sertedes) and CIAT
Signatories: Saul San Martin and Michael Peters
Place: Sertedes
Dates in force: 1 April 2000 to 31 March 2001
Country: Costa Rica

Code: CF-A.3.B.23.77 (203)
Title: *Convenio O.J.-064-2000 Acuerdo de Cooperación* between CIAT and Pontificia Universidad Javeriana
Signatories: José I. Sanz and Joaquín Sánchez García
Place: Pontificia Universidad Javeriana
Dates in force: 28 August 2000 to 28 August 2005
Country: Colombia

Code: CF-A.4.5 (204)
Title: *Agreement for Contract Services* between the International Service for the Acquisition of Agri-biotech Applications (ISAAA) and CIAT
Signatories: Anatole F. Krattiger, Aart van Schoonhoven, and Joe Tohme
Place: ISAAA
Dates in force: 7 February 2000 to 7 February 2001
Country: USA

Code: CF-A-3.C.2.4 (205)
Title: *Convention de Collaboration Développement de Méthodes pour l'utilisation de données et de Connaissances dans la Prise de Décision en Gestion des Ressources Naturelles et Planification du Développement Rural* between CIAT and the Centre National du Machinisme Agricole du Génie Rural des Eaux et Forêts (Cemagref)
Signatories: Nathalie Beaulieu and Patrick Demangeot
Place: Cemagref
Dates in force: 31 July 2000 to 31 July 2002
Country: France

Code: CF-A.3.B.23.78 (206)
Title: *Convenio de Cooperación para el Desarrollo de un Proyecto de Telecentros Comunitarios* between CIAT, Corporación Universitaria Autónoma de Occidente, Asociación de Cabildos Indígenas del Norte del Cauca (ACIN), Grupo Interinstitucional de la Zona Centro del Cauca, and Centro de Capacitación Aguablanca of the Corporación Universitaria Autónoma de Occidente
Signatories: Nathan Russell, Luis H. Pérez, Cristóbal Secue Tombe, Luis Alfonso Oliva, and Roberto Navarro Sánchez
Place: Universidad Autónoma de Occidente, Cali
Dates in force: 24 August 2000 to 24 August 2003
Country: Colombia

Appendix 2

Main Public Awareness Activities

- Spanish version of the Center's 1998/99 corporate annual report, *CIAT en perspectiva 1998-99: Sendas que alejan de la pobreza*.
- English version of its 1999/00 report, *CIAT in perspective 1999-2000: anatomy of impact*.
- The Center's twice-yearly bulletin, *Growing Affinities*, in English and Spanish.
- A full-color brochure, *Productos de tecnología agrícola para cambiarle la cara a Colombia*, which reports on 11 products of the special agreement for technical cooperation between CIAT and the Colombian Ministry of Agriculture and Rural Development.
- Promotional booklet for the PRGA Program on participatory research for natural research management.
- Distribution of 16 press releases to Latin American media, resulting in the appearance of almost one hundred articles in Colombian print and electronic media.
- Continued collaboration with a freelance journalist in Colombia, aimed at channeling stories about CIAT into North American and British media and resulting, for example, in the publication of two major magazine articles on the Center's GIS work.
- Publications displays at Dresden, Germany, and Washington, DC, USA.

Appendix 3

Technical and Scientific Publications

Publications during November 1999-October 2000

- *Manuals*

Arboles, arbustos y aves en el agrosistema del CIAT: Inventario de árboles y arbustos y de la avifauna del CIAT, Valle del Cauca, Colombia

Collective action for managing natural resources: a manual for identifying stakeholders

- *Monographs*

Investing in farmers as researchers: experience with local agricultural research committees in Latin America

- *Proceedings*

Fitomejoramiento participativo en América Latina y el Caribe (published on CD-ROM)

- *Serials*

December 1999: Arroz en las Américas 19(1)
Pasturas Tropicales 21(3)

April 2000: Pasturas Tropicales 22(1)

Documents in Press as of October 2000

- *Manuals*

Proyecto de recopilación de protocolos de cría y manejo

Unités artisanales de production d'amidon aigre de manioc, tome 2:

Équipement et distribution/

Equipos artesanales para la producción del almidón agrio de yuca en Colombia, tomo 2: Maquinaria y distribución/

Artisanal production units of cassava sour starch in Colombia, vol 2:

Machines and distribution

- *Monographs*

Agroecología y biodiversidad de las sabanas en los Llanos Orientales de Colombia

Agropastoral systems for the Latin American savannas

Invirtiendo en los agricultores para investigadores: Experiencia de los Comités de Investigación Agrícola Local en América Latina

Nature's plow: soil macroinvertebrate communities in the Neotropical savannas of Colombia

- *Serials*

August 2000: Pasturas Tropicales 22(2)

December 2000: Pasturas Tropicales 22(3)

Appendix 4

CIAT Library Activities

Publications Exhibits

Molecular techniques in crops
Improvement and bean pathology
CIAT historical collection
CIAT new publications
Conservation and management of hydric resources
Biodiversity
Bean production
Marketing and agricultural commerce
Plant diseases
Rice genetic improvement
Biology and control of insects and pests

Internet Home Page

- Unidad de Información y Documentación
http://www.ciat.cgiar.org/library_es
- Information and Documentation Unit
<http://www.ciat.cgiar.org/library>

Library Databases

CATAL: CIAT's bibliographic database, containing 95,292 records—
searches can be made in either Spanish or English
SERIAD: CIAT's holdings of 3568 journals (i.e., serials)
CASSAVA: Bibliographic database on cassava, containing 13,000
references
BEANS: Bibliographic database on beans, containing 15,000 references
TROP. FORAGES: Bibliographic database, containing 9000 references
GREYLIT: Database, *Management of Natural Resources—Grey Literature*,
containing 20,000 records from tropical America

Other Electronic Information Resources

AGRICOLA
AGRIS
BIOSIS

CAB CD
CAB
FSTA
TROPAG
Food and Human Nutrition
TROPILECHE
SINGER
DIALOG
INTERNET
ERATOSTENES. More than 20 SilverPlatter databases through the ICFES server.
Journal Storage (JSTOR)
High Wire Press
EBSCO-HOST
OCLC—*FirstSearch*. Gives access to several bibliographic and reference databases.
Current Contents in Agriculture

Other Services

Book loans
Access to 85 electronic journals
Specialized searches
Paper photocopies
Electronic photocopies
Acquisitions of books and photocopies
Specialized bibliographies
Interchange agreements
Training in information management

Appendix 5

Scientific Training, Conferences, and Visitors

Table 1. Specialized courses held at CIAT during November 1999-October 2000.

| Event | Dates | Participants (no.) |
|---|--------------------|-----------------------|
| Geographic Information Systems | 22-26 Nov/1999 | 9 |
| Molecular Techniques to Identify Disease Resistance in Crops | 9-18 Dec/1999 | 20 |
| Participatory Research | 28 Feb-3 Mar/2000 | 21 |
| Project Management and Tools for <i>ex situ</i> Assessment and Conservation of Agrobiodiversity | 6-23 June/2000 | 17 |
| Bean Production | 12-23 June/2000 | 19 |
| Methodologies and Tools for the Development of a Municipal Territorial Plan | 12-16 June | 35 |
| Methodologies and Tools for the Development of a Municipal Territorial Plan | 10-14 July/2000 | 33 |
| Methodologies and Tools for the Development of a Municipal Territorial Plan | 24-28 July/2000 | 18 |
| Rural Agroenterprises | 11 Sept-6 Oct/2000 | 23 |
| Conventional and Molecular Rice Breeding | 25 Sept-6 Oct/2000 | 22 |
| Management and Bioecology of the Spittlebug | 23-27 Oct/2000 | 18 |
| Cassava Production and Processing | 23 Oct-10 Nov/2000 | 25 |

Table 2. CIAT conferences held during 2000.

| No. | Title | Venue (Number of participants) | Project | Objectives | Dates |
|-----|---|--------------------------------------|---------------------|---|-------------------|
| 1 | Workshop on: Sharing Experiences and Lessons Learned for Community-Managed and Natural Resources Management Initiatives in Latin America | CIAT (43) | Land Management | To document and systematize the experiences in community-managed processes in Latin America for local natural resource management. | 21-25 February |
| 2 | Workshop to discuss a: National Plan for Research, Technology Transfer, and Market Promotion of Food Legumes | CIAT (17) | Beans | To discuss a national plan and define guidelines for research, technology transfer, and market promotion of food legumes. | 16-17 March |
| 3 | Workshop to plan project on: Farmer Hands-on Participatory Research: Multipurpose Use of Forage Species Germplasm by Small Farmers on Hillside Farming Systems of Central America | Comayagua, Honduras (15) | Tropical Forages | To determine work plans and institutional accountability of the project; Specifically, to develop annual and global working plans via logical frameworks and protocols; To draft agreements for institutional collaboration; To set up monitoring and evaluation processes; and To establish a technical committee to plan, evaluate, and manage small funds, starting in the project's second year. | 27-31 March |

(Continued)

Table 2. (Continued.)

| No. | Title | Venue (Number of participants) | Project | Objectives | Dates |
|-----|--|--------------------------------------|------------------|---|----------------|
| 4 | Workshop on: Agricultural Biosafety | CIAT (36) | Biotechnology | Workshop for the National Technical Council members who advise the ICA General Manager on the introduction, production, release, and marketing of genetically modified organisms (GMOs) for agricultural use. | 13-15 April |
| 5 | Workshop on: Methodologies for Use with Targeted Groups | Honduras (3) | Tropical Forages | To provide assistants with the necessary tools to apply methodologies for use with targeted groups in the project community. | 10-11 May |
| 6 | Planning Workshop for Project on: Farmers Hands-on Participatory Research: Multipurpose Use of Forage Species Germplasm by Small Farmers on Hillside Farming Systems of Central America | Nicaragua (4) | Tropical Forages | To supply participants with the necessary tools to apply methodologies for use with targeted groups in the project community. | 15-16 May |
| 7 | Workshop on: Methodologies for Use with Targeted Groups | Costa Rica (2) | Tropical Forages | To provide assistants with the necessary tools to apply methodologies for use with targeted groups in the project community. | 18-19 May |
| 8 | Hands-on Workshop on: Screening Planting Materials Under Field Conditions. (Organized by CIAT/CIRAD and CIAT/EMBRAPA) | Villavicencio (15) | Rice | To strengthen ties among breeders from different regional institutions working on upland rice breeding; and To enhance collaborative activities for materials evaluation and screening. | 7-11 August |

(Continued)

Table 2. (Continued.)

| No. | Title | Venue (Number of participants) | Project | Objectives | Dates |
|-----|--|--------------------------------------|---------------|--|-----------------|
| 9 | Second Technical Committee Meeting: Latin American and Caribbean Consortium to Support Cassava Research and Development | CIAT (43) | CLAYUCA | To evaluate activities implemented since September 1999; To draft a work plan for the period 2000-2001; To draft a budget for activities to be implemented during 2000-2001. | 21-22 August |
| 10 | Executive Committee Meeting: Latin American and Caribbean Consortium to Support Cassava Research and Development | CIAT (17) | CLAYUCA | Letter of acceptance signed by new associate country members of the Consortium; Evaluation of activities carried out during 1999-2000; and Approval of the Work Plan and Budget for 2000-2001. | 23-24 August |
| 11 | First Workshop: Cassava Molecular Diversity Network (MOLCAS) | CIAT (21) | Biotechnology | To review MOLCAS's progress over the last two years; To prioritize activities for MOLCAS's second phase (2001-2003); To acquaint MOLCAS members with new technologies in plant genetic diversity assessment. | 21-25 August |