

**User's Guide
to the Office of
Forestry, Environment
and Natural Resources**

November 1988

Agency for International Development

USER'S GUIDE TO
THE OFFICE OF FORESTRY, ENVIRONMENT AND NATURAL RESOURCES
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

Prepared by:

OFFICE OF FORESTRY, ENVIRONMENT AND NATURAL RESOURCES
Bureau for Science and Technology
Directorate for Energy and Natural Resources
U.S. Agency for International Development

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Additional copies of this User's Guide can be obtained from:

S&T/FENR
Room 509 SA 18
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Washington, D.C. 20523-1812

TABLE OF CONTENTS

Foreword	
How to Contact FENR (address, phone, etc.)	i
Statement of Objectives	ii
I. Overview	
Policy, Strategy	1
Funding	2
II. FENR Role	2
Relationship of FENR to Central Bureaus/Missions	3
Disciplines represented in FENR	4
Subject Area Groups	5
Committees and Activities	6
Organization Chart	7
III. Background Description of Officers in FENR	8
IV. Project Descriptions (by project no. and title)	
936-5517 Environmental Planning and Management	12
936-5518 Coastal Resources Management	14
936-5519 Forest Resources Management	15
936-5547 Forestry/Fuelwood Research and Development	17
936-5554 Conservation of Biological Diversity	19
Additional Resources Required (Buy-ins)	21
V. IQCs	
Environmental and Natural Resources Management	22
Remote Sensing	23

Foreword

This brochure was developed with the sincere desire that it will be useful to USAID personnel in overseas Missions. If it can also help people in collaborating agencies (such as Peace Corps Volunteers, those in non-governmental organizations, or in the private sector) that will be all the better. We want you to know and understand what the Office of Forestry, Environment and Natural Resources does and what it can and wants to do for you.

You people in the field know what kind of support you want and need in the natural resources management area. If you tell us what you and your counterparts want, we will try our best to assist you with our own staff or with contract people. Please remember that the FENR has a staff of only seven natural resource scientists and five support professionals. Our budget restrictions are equally as tight as yours so that requests for technical or project assistance must usually be Mission financed. Our projects are designed so that Mission buy-ins are facilitated.

Please browse through this brochure and ask for further information through your Regional Bureau or from FENR directly. Methods of contacting us and the people to ask are listed in the text on page 8. We also welcome suggestions for new initiatives. The FENR fully subscribes to the bottom-up theory of management and follows it to the maximum extent possible. If there is adequate field interest in your suggestions, we will do all we can to support your requests. Solid host country support for any such requests will be a plus but is not necessarily required for all initiatives.

Your contributions are always welcome, so please contact us.

Jack Sullivan
Director

HOW TO CONTACT FENR

Agency for International Development
Bureau for Science and Technology
Office of Forestry, Environment and Natural Resources

Address

A.I.D.
S&T/FENR
Room 509 SA-18
Washington, D.C. 20523-1812

The FENR offices are located at;
Room 509
1601 N. Kent St.
Rosslyn Plaza
Arlington, Virginia 22209

Telephone

(703) 875-4106

Telex

Domestic 892 703
Overseas 248 379 (RCA)
440 001 (ITT)

CABLE

USAID/Washington
S&T/FENR

Panafax

(703) 875-4394

FAX messages will be delivered in the routine mail delivery.
Those marked "URGENT", will be hand carried to addressee as
soon as possible.

A.I.D. Bureau for Science and Technology; Office of Forestry,
Environment and Natural Resources

Statement of Objectives

Goal: Ensure the the biological diversity in developing countries is protected, conserved, and enhanced.

Purpose: To provide the benefits of the life forms and systems existing today, to future generations.

Goal: Ensure that environmental and natural resources considerations become an integral part of relevant policy formulation and development planning activities.

Purpose: To ensure that all development activity is performed with maximum beneficial and minimum harmful impact on the environment.

Goal: Ensure the survival of areas of tropical forest large enough for existing forest systems to remain viable.

Purpose: To maintain the species representation and biological functioning of existing tropical forest systems through research into the management of natural forests and the sustainable production of forest products including plants, wildlife, and water.

Goal: Strengthen the linkages between agroforestry and agriculture systems.

Purpose: To increase food and fodder production and decrease erosion in sustainable farming systems, to provide wood products for energy and rural enterprises, to arrest slash and burn cultivation, and to relieve pressures causing the destruction of remaining forests.

Goal: Promote participation in environmental and natural resources activities by the NGO and other private sectors.

Purpose: To obtain voluntary commitments and participation of the world's population in the protection and conservation of biological diversity and in the wise management of natural resources. Additionally, to stimulate self-interested private sector involvement in obtaining sustained economic benefits.

Goal: Restore degraded land and water ecosystems to productive and sustainable systems.

Purpose: Promote research and development of techniques and methods for the rehabilitation and management of degraded land and water ecosystems.

Goal: Conserve existing healthy coastal resources and rehabilitate degraded resources including reefs, sea grasses, mangroves, wetlands and other coastal areas.

Purpose: To retain for this and future generations the benefits of clean, functioning coastal systems for coastal protection from storms, for near shore fishing, for recreation and other benefits.

Goal: Strengthen the networks between the natural resources research organizations in developing countries and in the U.S.

Purpose: To strengthen the linkages between developing country and U.S. science and technology communities.

USER'S GUIDE TO THE OFFICE OF FORESTRY, ENVIRONMENT AND NATURAL
RESOURCES

I. Overview of A.I.D. Natural Resource Assistance

Policy: Intelligent management of both renewable and non-renewable natural resources for the preservation of biological diversity and sustained production of the many benefits and products of nature is an essential component of U.S. development assistance. Maintenance and improvement of the quality-of-life for humans world-wide can be sustained only by acceptance of and adherence to the principle that environmental and natural resources planning must be an integral component of national and international plans and programs.

Program Strategy:

In order to maximize the amount of development that is sustainable, the Agency is working toward networking of worldwide development planning. FENR's strategy is to:

- *provide technical assistance to government and non-government agencies working toward the development of national environmental policy and programs which will contribute to sustainable economic development.

- *provide assistance in the examination and implementation of alternative modes of natural resource management

- *provide assistance in research and education/training activities and in the transfer of appropriate technologies.

- *provide assistance to domestic and overseas NGOs involved in conservation and other resource management activities including enhancing their effectiveness in promoting public participation in the formulation and implementation of national environmental policy.

- *cooperate with other donors in seeking consistency of policies and procedures used in natural resources management. A.I.D. will exchange examples of good working arrangements, materials, and personnel in pursuance of these policies, and has assisted in placing trained, experienced staff in selected overseas Missions to collaborate in these efforts.

FUNDING

Congress appropriates funds for assistance in forestry, environment and natural resources under Sections 103, 117, 118, and 119 of the Foreign Assistance Act. The FENR budget in 1988 was \$5.378 million of the estimated A.I.D. development assistance budget of \$9.4 billion. The estimated 1989 budget is \$5 million.

The current allocation of FENR project funding is as follows:

The office of FENR manages five projects to which FENR contributes about 62% of project funding. Missions, Regional Bureaus and other donors account for about 37% of the funding, and special Agency initiatives account for another one percent. These projects are designed to accommodate substantial mission participation through buy-ins. For example the Coastal Resources Management Project is going to be over 50% buy-in financed, and the Bio-Diversity Project 65%.

II. Office of Forestry, Environment and Natural Resources (FENR)

Role: FENR projects are implemented to strengthen A.I.D. assistance to clients in natural resources management. To date projects have been of two types which A.I.D. perceives that developing countries need but in which they are not yet institutionally interested enough to make adequate resources available to address the issues, or for which adequate resources are not available indigenously. Virtually all of FENR activities support the strengthening of management skills in natural resource management institutions, both in the U.S. and overseas.

The five FENR projects are listed below.

<u>PROJECT#:</u>	<u>PROJECT NAME:</u>	<u>LOP:</u>	<u>Funding (\$000)</u>		
			<u>FY 87</u>	<u>88</u>	<u>89</u>
936-5517	Environmental Planning & Mgt.	\$ 8,650	1137	818	867
	FENR	6,452			
	Other AID	2,198			
936-5518	Costal Resources Mgt.	8,000	746	746	746
	FENR	4,000			
	Other AID	4,000			
936-5519	Forest Resources Mgt.	19,821	1950	1017	450
	FENR	16,321			
	Other AID	3,500			

936-5547	Forestry Fuelwood Research & Development	40,000	2150 980 1570
	FENR	30,000	
	Other AID	10,000	
936-5554	Conservation of Biological Diversity	28,400	900 1400
	FENR	9,800	
	Other	18,600	
	Total	\$104,871	
	Other	38,298 = 37%	

Relationship to Central Bureaus

FENR being a support organization, its projects complement those of the Missions. and it has contact people for activities in each of the three Regional Bureaus. They are:

AFR - Carl Gallegos; alternate, Mike Bengé
ANE - Ian Morison; alternate, Nora Berwick
LAC - Charles Paul; alternate, Lou Higgins

The FENR also has contact people responsible for backstopping requests for assistance in programs which overlap in several areas. These people are:

Program and Policy Coordination (PPC)-Charles Paul; alt. Molly Kux
Food for Peace and Voluntary Assistance (FVA)
-Dan Deely; alt. Molly Kux
Private Enterprise (PRE) -Dan Deely; alt. Carl Gallegos

Relationship to USAID Missions

The staff of FENR should be perceived by people in the Missions and Regional Bureaus as useful and valuable resources. In pursuit of this goal FENR backstops Mission requests for information, guidance and assistance on a priority basis. The staff take pride in being able to personally answer many of the requests in their own disciplines. FENR is implementing five natural resources projects, all of which have Mission and Regional Bureau buy-in capacity.

The Office of FENR works toward:

- 1) maintaining and expanding A.I.D. investment in the FENR Sector,
- 2) integrating the program with other donors,
- 3) making accessible automated information systems, and
- 4) marshalling U.S. capacity (universities, the environmental community and the private sector).

Missions implement 164 projects in 43 countries which are entirely environment/natural resources (ENR) projects or have ENR components. Regional bureaus manage 42 additional such projects and there are six centrally funded ENR projects, five of which are implemented by S&T/FENR, the other by ANE/PD/ENV. The staff of S&T/FENR will lend support to any of the above projects on request.

Disciplines represented in the Office of FENR

FENR subject matter responsibility is grouped into seven disciplines as follows:

- 1) Biological diversity specialists deal with the conservation and management of living resources and their ecosystems. Molly Kux is this staff leader.
- 2) The Environment staff works to ensure that environmental and other natural resources considerations are integrated into development activities of both A.I.D. and other donors. Lou Higgins leads this area.
- 3) Tropical Forestry experts deal with protection and management of natural and planted forests in the tropics. Carl Gallegos and Dan Deely lead this area.
- 4) Agroforestry staff deal with multiple use tree research and with sustainable agriculture. Networking of research is also a priority. Ian Morison and Mike Bengé are the resource people.
- 5) Coastal and Marine Resources deals with conservation and management of coastal resources and their linkages with upland watershed land uses, including forestry, agriculture and rural/urban development. Nora Berwick is the responsible officer.
- 6) Training addresses both Agency and cooperating country staff, and the sensitization of the general public to FENR subjects. Molly Kux is the training coordinator.
- 7) Information and Management staff deal with networking (including computer coordination), data base design and development, surveying, mapping and remote sensing. Multi-sectoral integrated planning is also included. Chuck Paul leads this area.

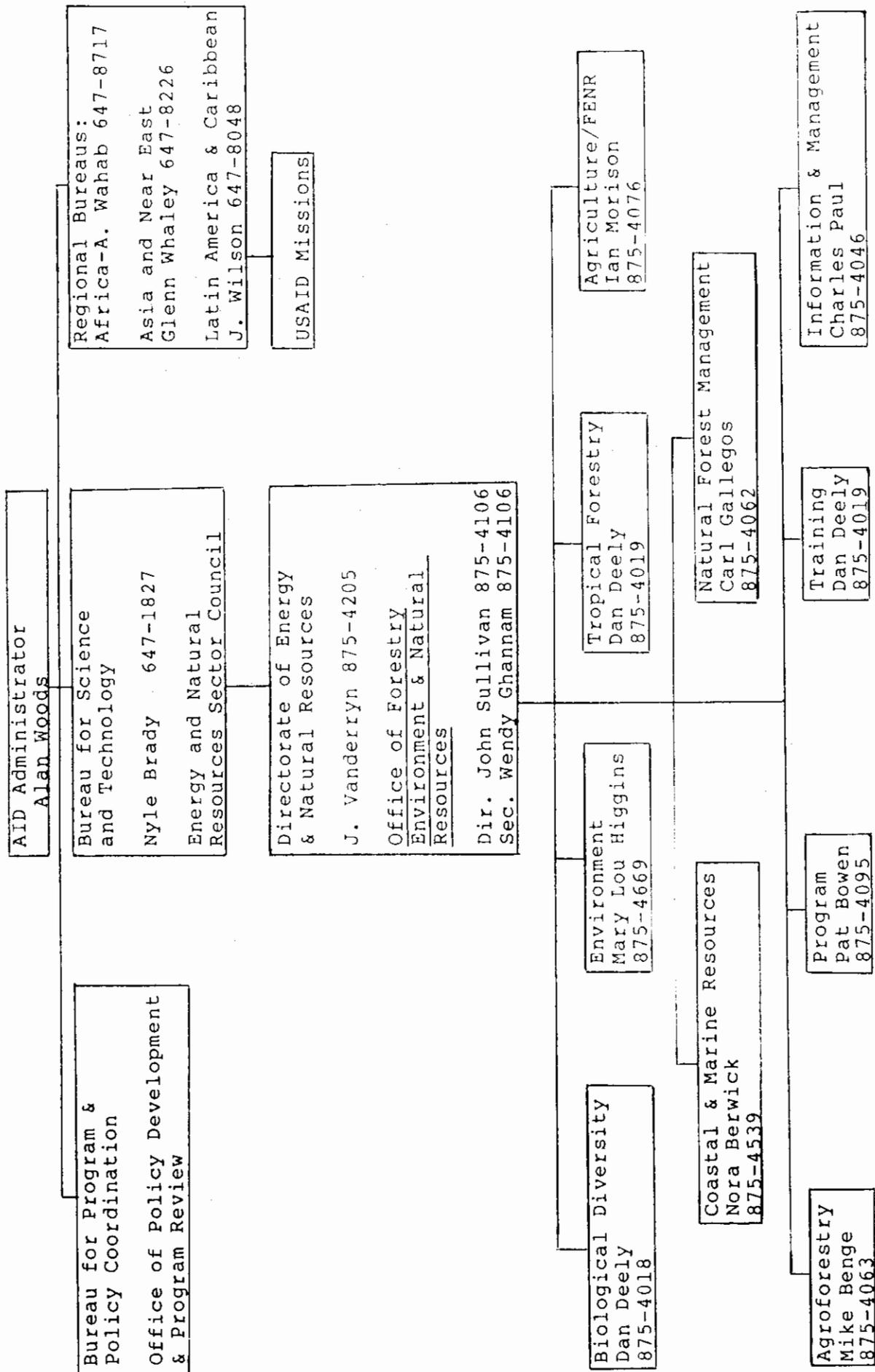
SUBJECT AREA GROUPS

<u>GROUP</u>	<u>SUBJECT</u>	<u>LEAD</u>	<u>BACKUP</u>
BIO/DIV D. Deely (L. Higgins)	Biological Diversity	D. Deely	L. Higgins N. Berwick
TROP/FOR D. Deely (I. Morison)	Tropical Forestry Mgt. Production Forestry Plantation/Industrial Forestry	C. Gallegos C. Gallegos C. Gallegos	H. Fisher
AGR/FENR I. Morison (D. Deely)	Agroforestry NGO/PVO/Peace Corps Sustainable Ag Rural Income Tree Seeds Biotechnology Soil, Water, Range Restoration Ecology, Geology	M. Benge D. Deely L. Higgins D. Deely D. Deely C. Gallegos I. Morison I. Morison	H. Fisher L. Higgins H. Fisher M. Benge M. Benge I. Morison H. Fisher H. Gisher
INFO/MGT C. Paul (D. Deely)	IQCs--Remote Sensing Global Networking Natural Resources Info Remote Sensing Research Planning & Policy Climate Integrated Planning	C. Paul C. Paul C. Paul C. Paul I. Morison C. Paul N. Berwick	D. Deely I. Morison D. Deely D. Deely C. Gallegos N. Berwick C. Paul
ENVN L. Higgins (N. Berwick)	IQCs--Environment Toxics Pesticides & Pest Mgt. Environment Impact Assessment Debt Swap Public Participation Natural Resources Economics	L. Higgins L. Higgins L. Higgins L. Higgins N. Berwick L. Higgins N. Berwick	H. Fisher H. Fisher D. Deely D. Deely
COAST/MARINE N. Berwick (D. Deely)	Coastal/Marine Resource Systems Fisheries/aqua/mariculture Wetlands Watersheds Habitat Restoration	N. Berwick N. Berwick N. Berwick N. Berwick N. Berwick	I. Morison I. Morison H. Fisher H. Fisher H. Fisher
TRAINING N. Berwick (D. Deely)	A.I.D. In-service training Natural Resource Training	N. Berwick N. Berwick	H. Fisher L. Higgins

COMMITTEES AND ACTIVITIES

<u>GROUP</u>	<u>SUBJECT</u>	<u>LEAD</u>	<u>BACKUP</u>
BIO/DIV D. Deely (L. Higgins)	Interagency Task Force/BioDiv Consultative Group on BioDiv Report to Congress MAB IUCN/ACIC Working Group on BioDiv	D. Deely D. Deely D. Deely N. Berwick D. Deely D. Deely	C. Gallegos L. Higgins L. Higgins C. Paul L. Higgins/N. Berwick
TROP/FOR D. Deely (I. Morison)	ITTO IATF on Tropical Forestry Report to Congress SCI/BOSTID/PSTC/AAAS TFAP/FAO Tropical Forestry Wky Group	C. Gallegos C. Gallegos D. Deely I. Morison C. Gallegos C. Gallegos	I. Morison/Deely I. Morison/Deely C. Gallegos M. Bengel/Gallegos D. Deely/Morison D. Deely
AGR/FENR I. Morison (D. Deely)	Ag Sector Council Forestry/Ag Linkages BIFAD/RAC	I. Morison M. Bengel I. Morison	L. Higgins/Gallegos H. Fisher Gallegos/Higgins
INFO/MGT C. Paul (D. Deely)	Fed. CC on Dig. Cart. Remote Sensing Commercialization Nat'l Climate Policy Board AID Project Tracking PMIS CDIE Natural Resources Data Research Analysis/Evaluation Integrated Planning Modelling AID/PC/Coordinating Council	C. Paul C. Paul C. Paul D. Deely C. Paul C. Paul C. Gallegos N. Berwick D. Deely	D. Deely D. Deely C. Gallegos H. Fisher P. Bowen D. Deely C. Paul L. Higgins
ENVN L. Higgins (N. Berwick)	COED Committee on Health & Envr. FENR Interactions w/ HEA & POP	L. Higgins L. Higgins L. Higgins	N. Berwick
COASTAL/MARINE N. Berwick (D. Deely)	Wetlands Working Group Coastal Resources/Wetlands/IUCN PSTC	N. Berwick N. Berwick N. Berwick	D. Deely H. Fisher H. Fisher
TRAINING N. Berwick (D. Deely)	EN Sub-committee on Trg. & Pers. A.I.D. Direct Hire	N. Berwick N. Berwick	H. Fisher D. Deely/Higgins/ Fisher

ORGANIZATION OF THE OFFICE OF FORESTRY, ENVIRONMENT & NATURAL RESOURCES



Each of the five projects that FENR manages has one responsible officer. The officers responsible for oversight of FENR projects are well qualified and have experience in their fields. A short description of each officer in FENR follows.

Dr. John D. (Jack) Sullivan-Director, FENR

Dr. Sullivan was born in Illinois and raised in Wisconsin. He received his BS and MS in Forestry at the University of Idaho and his PhD in Wood Science at Michigan State University in 1958. Dr. Sullivan was on the faculty at Michigan State for four years and at Duke University for nine years. He has been in U.S. Government service for 23 years including two years with the 82nd Airborne. During his 16 years with the USDA-Cooperative Extension Service, Dr. Sullivan, as Deputy Administrator for Natural Resources, managed the McIntire-Stennis Program and the Competitive Grants to Universities Program. He has published numerous articles, many during his tenure with IUFRO and in the University system.

Dr. Carl M. Gallegos, Tropical Forestry

Dr. Gallegos, Chief Forester for S&T/FENR, has a Masters in tropical forest ecology from Duke University and a PhD in forest genetics from North Carolina State University. Dr. Gallegos is Manager of the Forest Resources Management Project which consists of the Forestry Support Program (FSP), a Resources Support Services Agreement (RSSA) with the USDA Forest Service and the Office of International Cooperation and Development (OICD), and a Participating Agency Service Agreement (PASA) with the Peace Corps. He has primary responsibility in FENR for issues regarding tropical forestry and biotechnology and in this context, manages seven projects for the Office of the Science Advisor (AID/SCI), plus two Small Activities Grants funded through the SAA/S&T, Dr. Nile Brady's office. Dr. Gallegos has more than 20 years' experience in international forestry, and he has held positions within the University system, private industry, and the U.S. Government.

Dan Deely, Forestry and Natural Resources

Mr. Deely holds both BS and MS degrees in Forest Resource Management from Pennsylvania State University. His education and more than 20 years of experience span almost the full spectrum of the subject interests and responsibilities of S&T/FENR's projects and responsibilities. These include forestry and natural resources, coastal resources, remote sensing, and water pollution control. Mr. Deely combines field experience in federal forest management in both the eastern and western United States with a highly varied background in domestic and international consulting and other government service. His experience ranges from having

served as a research consultant in natural resources inventory systems to the National Aeronautics and Space Administration (NASA), and as a consultant in coastal wetlands and other natural resources surveys, to watershed management and water pollution control in the timber and mining industries as a technical staff advisor in the Water Planning Division at the Environmental Protection Agency (EPA) headquarters in Washington, D.C.

Mr. Deely co-manages FENR's ongoing Forest Resources Management Project, giving special attention to Peace Corps collaboration, P.L. 480 Food Program support, and forest based private enterprise promotion for income/employment.

Mr. Deely's other key subject areas of responsibility are:

- Tropical forest management and conservation
- Tree seed programs
- Private Voluntary and NGO collaboration
- Natural Resources Information Systems
- Agency-wide Forestry, Environment and Natural Resources (FENR) Project Information Tracking System

Nora Berwick-Coastal Resources Management

Mrs. Berwick has BA and MS degrees in Coastal Marine Ecology from the University of California, Santa Barbara and has done post graduate research in coral reef ecology. She has 21 years experience in coastal marine work.

She provides oversight of project management focusing on the implementation of S&T/FENR's Coastal Resources Management Project (CRMP).

She furnishes technical expertise and coordinates with the University of Rhode Island (the CRMP contractor), as well as with host country counterpart personnel, Mission staff, and Regional Bureaus on the assessment and management of the natural resource base attendant to coastal watershed and marine resource systems. In her position as Coastal Resource Specialist for the FENR, she works on environmental issues related to coastal area development planning including integrated watershed management and coastal and marine systems; coastal habitat restoration; common property rights; and traditional resource management techniques.

Utilizing systems analysis and computer simulation modeling, she identifies ways in which the full range of biological and physical resources knowledge and skills can help address major coastal resource problems attendant to impending development.

Michael D. Benge-Agroforestry

Mike is an FSO and Chief Agroforestry Officer for A.I.D. He has an undergraduate degree in agriculture from Oregon State University and a Masters degree in agroforestry from Los Banos University in the Philippines. He is the officer responsible for the agroforestry and multi-purpose tree component of the FENR portfolio. Mike is the prime source of agroforestry technical information for AID, writing and compiling much of it himself. As an example of his work, he has been responsible for developing the alley-cropping network for Africa, linking the activities of the International Institute for Tropical Agriculture (IITA), the International Livestock Center for Africa (ILCA), and the International Center for Research in Agroforestry (ICRAF), and he collaborated with the Government of Haiti to adapt agroforestry into the national strategy for reforestation and soil erosion control. For his work with multipurpose trees he received an International Award in Forestry from Carl XVI Gustaf, King of Sweden, and the Arbor Day Foundation's J. Sterling Morton Award.

Dr. Ian G. Morison-Forestry Research

Dr. Morison is the Senior Forestry Research Advisor for the FENR. He has served as Director of the State Agriculture Experiment Station in the College of Tropical Agriculture, University of Hawaii and Associate Director of the Institute of Forest Resources, University of Washington. His professional area of experience is in research administration. His BS degree is from the University of Western Australia, his MS is from the Australian National University, and his PhD is from the University of Washington in Seattle.

In his capacity as Forestry Research Advisor he provides senior scientific and technical backstopping to the Agency forestry staff and other organizational units of the Agency in Washington and in the field.

Ian is a recognized authority on Asian affairs having spent many years in that region. (He was born and raised in Australia.)

Ian is the Project Officer for the Forestry/Fuelwood Research and Development Project (F/FRED) which has global scope. The project has been authorized at a level of \$40 million over a ten year period and was developed in response to the documented fuelwood needs of developing countries. Its goal is to meet the basic needs of these countries for fuelwood and other products; for improved land, water and human resource management; and for increased employment and income.

Ian has the lead responsibility for developing cooperative links with the Office of Agriculture and with the Asia Near East Bureau, and with other office programs related to the new agriculture sustainability focus of the Agency.

Dr. Mary Lou Higgins-Environmental Management

Dr. Higgins is A.I.D.'s Project Manager for the Environmental Planning and Management (EPM) Project. She serves as an environmental management specialist/ecologist in the FENR. Prior to her current position, Lou was an American Association for the Advancement of Science Fellow in the Bureau for Latin America and the Caribbean. In both positions she works on issues related to pest and pesticide management, sustainable agriculture, and environmental and natural resources management in developing countries, primarily in Latin America. Dr. Higgins received her undergraduate degree from the University of Pennsylvania and her PhD from the Department of Entomological Sciences of the University of California at Berkeley.

Dr. Charles K. Paul-Chief, Remote Sensing and Acting Deputy
Director

Dr. Paul is the Agency's remote sensing scientist, and represents the Agency on all federal interagency policy committees that deal with the development and application of satellite imagery, mapping and climate. He is manager of of the Agency's two indefinite quantity contractors which provide consulting, project design and evaluation services to USAID Missions. He provides technical advice and policy guidance in the mapping sciences to all geographic bureaus, and has served 26 Missions on TDY to assist in developing national institutions for mapping in developing countries.

He holds graduate degrees (MS and PhD) in civil engineering, specialties in mapping, from Cornell Universtiy. His experience before coming to A.I.D. ranges from mapping the bottom of the deepest oceans (the Mariannas Trench) to the atmosphere of Jupiter. In addition to hydrographic mapping with the U.S. Coast and Geodetic Survey and the U.S. Navy, he worked with NASA on both outer planetary missions and designing automated land use information systems for urban planning.

Following are brief descriptions of the FENR managed, centrally funded projects listed on page three. Below the descriptions are the contact people and their addresses, phone numbers, etc.

PROJECT NUMBER AND TITLE: 936-5519; Forest Resources Management

Contract/Grant Numbers: BST-5519-RAG-2188
BST-5519-P-PC 2053-11

PURPOSE: The Forest Resources Management Project is designed to mobilize the public and private professional forestry community in support of the Agency's expanding bilateral assistance projects and forestry-related activities.

BENEFICIARIES: The LDC poor will benefit from better designed and executed forestry activities undertaken by private enterprise and LDC governments to increase income and employment, to expand forest-based development and to combat erosion, fuelwood shortages, desertification, genetic loss, flooding, and unsustainable natural resource use patterns.

DESCRIPTION: This project provides limited technical backstopping, expert referral services, research and training support, enhanced collaboration with Peace Corps, and forest development demonstrations to assist less developed countries (LDCs) in the design and implementation of effective forestry-related development activities. To facilitate this, the project-sponsored Forestry Support Program (FSP) was formed. It has nine professional foresters in Washington D.C. that are on call to advise A.I.D.'s Washington offices and for short-term technical assistance visits to the missions.

In order to provide Agency Forestry Strategy and Environment and Natural Resources Policy implementation and better technical assistance to developing countries, this project includes development of a network of international experts and delivery of professional public and private referral services. It also includes training support for LDC personnel engaged in forestry activities. Network information is being made available to A.I.D. Missions and LDC governments involved in project design and forest management. Assistance initiatives being supported include those concerned with fuelwood, forestry research, natural woodlands, agroforestry, reforestation, biological diversity, community resource planning, conservation program development, and small-scale forest-industry management and enterprises. Approaches which address socio-economic aspects of forestry are included.

The FSP was amended in FY 83 to provide greatly increased liaison with the private sector and to demonstrate through forestry market development activities how forest-based development can provide increased income employment and other benefits in LDCs. This project amendment also gave increased attention to Peace Corps collaboration with PVOs and NGOs in P.L. 480 food projects. Due to favorable response within the Agency, both the Private Sector and Peace Corps collaboration efforts are being developed into new initiatives.

The FSP compiles and maintains a list of projects which are wholly FENR or have FENR components. FSP can be asked to do a computer search of that list. It also maintains an updated list of people available for short or long term domestic or overseas assistance in FENR subjects. Many environmental organizations utilize the list as well as A.I.D. FSP has also recently compiled a list of forestry and related courses offered by U.S. institutions in addition to those in the OICD Agriculture Training pamphlet.

DURATION: FY 80 through FY 89

SCOPE: Worldwide

CONTRACTOR/GRANTEE:

RSSA

USDA/Forest Service
1621 N. Kent St.
Rm. 51 LL
Arlington, VA 22209

USDA Office of International
Cooperation and Development
Rm. 137 - McGregor
2121 K Sts., N.W.
Washington, D.C. 20250-4300

ATTN: Dr. Gary Wetterberg
Telephone: (703) 235 -2432
Telex: UR 258217 FSPW

ATTN: Mr. Gregory Garbinsky
Telephone: (202) 653-7365
Telex: 257831 WWPR

PASA

Peace Corps
806 Connecticut Ave., N.W.
Room M 701
Washington, D.C. 20526

Attn: Mr. George Mahaffey
Telephone: (202) 254-8400
Telex: 3725981 PCWASH (International)
904110 PCWASH (Domestic)

A.I.D./W Project Manager:

Dr. Carl M. Gallegos
S&T/EN/FENR
A.I.D., Washington, D.C. 20523
Telephone: (703) 875-4062
Mr. Daniel Deely
Backup Manager

PROJECT NUMBER AND TITLE: 956-5518; Coastal Resources Management

CONTRACT NUMBER: LAC-5518-A-00-5054-00

PURPOSE: To launch three coastal resources management programs that can serve as models for other developing countries.

BENEFICIARIES: Host country planners and USAID/Mission personnel who gain information on how to effectively plan and implement coastal resources intervention; resource users who benefit from improved benefit regmines.

DESCRIPTIONS: Now entering its fourth year, the project is operating pilot projects in Ecuador, Sri Lanka and Thailand. The Project is assisting its in-country counterparts to formulate and begin implementing their own management strategies, and is offering technical assistance where needed. Each pilot program is working to:

- * develop procedures to assess the impacts of coastal development proposals
- * undertake research to clarify the forces that affect trends in the condition and use coastal ecosystems
- * improve the capabilities of in-country professional staff to plan for and manage coastal development
- * develop institutional capabilities to effectively address resource use conflicts

The Project is also undertaking outreach efforts to widely disseminate lessons learned from the three pilot projects.

DURATION: FY 85 through FY 90

SCOPE: Ecuador, Sri Lanka, Thailand

CONTRACTOR:

The University of Rhode Island
Coastal Resources Center
Bay Campus
Narragansett, RI 02882-1197

Attn: Stephen Olson
Director, Coastal Resources Center
Telephone: (401) 792-6224
Telex: 740427 CRMP-UL
Telecopier: (401) 792-6160

A.I.D./W PROJECT MANAGER:

Nora Berwick
S&T/FENR
AID, Washington, D.C. 20523

PROJECT NUMBER AND TITLE: 936-5517; Environmental Planning and Management

COOPERATIVE AGREEMENT No.: LAC-5517-A-00-5077-00

BENEFICIARIES: Host country planners and natural resource managers who will receive resource conservation planning and technical assistance through joint field activities are the immediate beneficiaries. LDC populations will ultimately benefit from the protection and conservation of their natural resource base.

PURPOSE: To strengthen the ability of developing country institutions to better manage their renewable natural resources in the interests of sustainable development.

DESCRIPTION: There is growing recognition within the development community and developing countries that prudent management and conservation of natural resources is critical for the achievement of sustained and stable economic development. In practice, however, the linkage between poverty, economic development and natural resource management is not well understood and planning is conducted using a top-down approach. To be genuinely sustainable, this requires a proper ecological, social and economic balance which can be achieved only if development and natural resource planning are informed by the participation of all people involved in the process. Through the EPM Project, USAID and the International Institute for Environment and Development have emphasized an integrated, multi-sectoral approach to analysis and problem solving, carried out in direct collaboration and with the participation of host-country people and institutions.

The project focuses on four areas: 1) the relationship of environmental and natural resources management to agricultural production; 2) environmental policy analysis and resource assessments (including country environmental profiles); 3) the role of environmental non-governmental organizations; and 4) methods for integrated analysis and planning. Under the project, IIED develops field activities with the Missions in each of the four areas, provides for information analysis in each of the areas, based upon the experience with joint field activities, and provides additional analysis of other important issues in environment and natural resources management.

IIED is prepared to work with Missions to provide short term guidance and assistance related to the four programs financed through the project. In addition, a buy-in mechanism insures that Missions may receive support from the project at regional bureau and mission expense. Missions may contact the regional environmental officers or S&T/FENR for information.

DURATION: FY 1982 to FY 1990

CONTRACTOR: The EPM Project is implemented through a cooperative agreement with:
Center for International Development and Environment
1717 Massachusetts Ave., N.W, Suite 302
Washington, D.C. 20036

telephone: (202) 462-0900
telex: 64414 IIED WASH
panafax: (202) 234-1112
telegram: IIED WASH DC

PRINCIPAL CONTACT: Walter Arensberg

AID/WASHINGTON PROJECT MANAGER:

Mary Lou Higgins
A.I.D. S&T/FENR
Room 509 SA-18
Washington, D.C. 20523

Telephone: (703) 875-4669

PROJECT NUMBER AND TITLE: 936-5547; Forestry/Fuelwood Research and Development

CONTRACT NUMBER: LAC-5447-C-00-5124-00

PURPOSE: To enhance forestry/fuelwood and agroforestry research and capabilities in developing country Forestry Research Institutions through: (a) improved formulation, planning and management of forestry/fuelwood and agroforestry research, (b) support and development of networks of scientists and institutions focused on the assessment, improvement and management of fuelwood multipurpose tree species; and (c) enabling governments to address their critical forestry/fuelwood needs through better use of forestry, on-farm forestry, and agricultural related research information.

BENEFICIARIES: The primary beneficiaries are cadres of working professionals who can further the evolution of their national research programs' ability to address the forest and fuelwood production and management problems of their countries.

DESCRIPTION: This project has grown out of a collaborative effort of the Bureau of Science and Technology and the Asia/Near East Bureau in response to the Agency's Administrator's designation of fuelwood as a major research priority.

The Central and Asian components of the project will:

- 1) Assist Asia Missions to identify and address key technical and social issues in the sector.
- 2) Provide a means for promoting exchange of information among Asian institutions through the establishment of multipurpose tree species (MPTS) networks of scientists.

The project has three components; A) Research planning and management, B) network development and research, and C) global issues such as development of data management systems. The three components are described:

Research Planning and Management: assist Missions and Regional Bureaus in promoting development of country specific national fuelwood/forestry plans and programs; provide training and other assistance to strengthen key LDC institutions to carry out national forestry/fuelwood research and development plans.

Network Development and Research: develop improved research methods and information management; developing and monitoring agreed upon collaborative research programs; conducting workshops and conferences; special research support through grants and loans; purchase of commodities essential to the conduct of research and support for publication of results; supplying expertise, mostly short-term, to host countries to assist them in project design and management; fuelwood research assessments; appraisals and evaluations; and behavioral, institutional and human resource evaluation.

Global Research: Develop state-of-the-art papers and other technology assessments; assisting in integrating, structuring and evaluating currently available information; evaluate fuelwood/multi-purpose tree species as components of agroforestry or other farming systems approaches to define new research needs. Global research areas will be:

- a) formation of a global data base for MPTS
- b) Multi-purpose/fuelwood tree selection and improvement
- c) Biotechnology
- d) Environmental models
- e) Socio-economic methods and tools
- f) Socio-economic research

DURATION: FY 1986 to FY 1995; 10 years

SCOPE: Worldwide

CONTRACTOR/GRANTEE: (for first five year phase)

Winrock International
1611 N. Kent St. Suite 600
Arlington, VA 22209

telephone: (703) 525-9430
telex: 248589 WIDC
telefax: (703) 525-1744
telegram: Winrock Intl.

PRINCIPAL CONTACT: Mr. Thomas Niblock

AID/W Proj. Mgr.

Dr. Ian Morison/Dan Deely
AID/S&T/FENR
Room 503F SA-18
Wash., DC 20523-1812

telephone (703) 875-4076

Project No. and name: 936-5554; Conservation of Biological
Diversity

Cooperative Agreement No.: pending

Purpose: To improve the capacity of developing countries and AID assistance programs to identify the critical needs for and economic potential of conservation and wise management of biological resources through safeguarding ecological processes and maintaining the variety of genetic resources.

Beneficiaries: The ultimate beneficiaries, whose quality-of-life will be improved, are the people who live in and in close proximity to the areas protected through the assistance provided by this project and host country institutions concerned with conservation. Others will also benefit from conservation and maintenance of ecosystems protected and from new uses found for the genetic resources preserved in the parks and protected areas.

Description: This project assists USAID missions, host country governments, and non-governmental organizations (NGOs), to develop policies, programs, strategies and projects which address conservation of biological resources in developing countries in a variety of ecosystems including the humid, arid and semi-arid tropics, mountains and lowlands, wetlands and coastal areas, forests and savannahs. Among the needed activities are: research; buffering of preserved areas from human pressures; management for tourism, maintenance of water quantity and quality; decentralization of control over resources and increased benefits from protected areas to local people; better systems of sustainable use; and improved economic analysis of conservation benefits.

Technical assistance and training is offered to host country institutions, Peace Corps, local NGOs and research scientists in preparing research proposals, conservation strategies and defining priorities. An information and evaluation network will collect and maintain computerized and other information on conservation activities and establish linkages with other data bases. Pilot demonstration activities and research on critical issues such as natural forest management will be supported.

Duration: FY 1988 thru FY 1993, 5 years (phase I of a ten year project)

Scope: Worldwide

Grantee: World Wildlife Fund
1250 24th St., N.W.
Washington, DC 20037

telephone: (202) 293-4800
Telex: 645-05 PANDA
Panofax: (202) 293-9211

Principal contact: Michael Wright

AID PROJECT MANAGER

Molly Kux

S&T/FENR

Room 509 SA-18

A.I.D.

Washington, D.C. 20523-1812

tele: (703) 875-4518

Additional Resources Required (Buy-Ins)

As this project has limited funds for implementing activities in the field, Missions and Regional Bureaus are encouraged to treat S&T/FENR funds as seed money for the development and implementation of expanded efforts related to project objectives, supported by their own funds.

Regional Bureaus and Missions can buy in to the project OYB transfers or by submitting an appropriate PIO/T showing the funding source and citing the relevant component of the cooperative agreement for implementation. The PIO/T will constitute a specific instruction to the Contracts office to amend the cooperative agreement to allow the requested work to be performed. In this way, funds beyond those available to S&T/FENR can be used by Missions and Bureaus to enhance the effectiveness of the project. Each buy-in will include the cost of a fair and reasonable amount of staff time for management. Therefore, each \$25,000 of buy-in will be required to support 10 person days for programmatic and administrative work. This formula will be reviewed and adjusted on a periodic basis. All buy-ins must be agreed to by the S&T/FENR Project Manager and the grantee Project Director.

In addition to implementing five projects and having people with varying skills in the office, FENR also maintains arrangements through which people skilled in many fields can be called on for quick response, short term (up to 120 days) advisory services and technical assistance in matters related to ENR management. Two joint venture contracts to supply these services are in effect until October 1990. The joint ventures are:

Contract no: PDC-5517-I-00-7136-00

This is a three company venture.

- 1.) Dames & Moore Int'l.
701 Wisconsin Ave., Suite 700
Bethesda, MD 20814-4870

telephone: (301) 652-2215
telex : 315-528 Dames-Moore

principal contact: Dana R. Younger
or Geoffrey T. Waite
- 2.) Louis Berger Int'l.
Development Economics Group
100 Halsted St.
East Orange, New Jew Jersey 07019

telephone: (201) 678-1960
telex: 138-152 Bergereng

principal contact: Carter Brandon
Director
- 3.) Institute for Development Anthropology
Box 2207
Binghampton, N.Y. 13902

telephone: (607) 772-6244

principal contact: Michael Painter

Contract No.: PDC-55717-I-00-7137-00

This is a two company venture.

1.) Tropical Research and Development
6124 S.W. 30th Ave.
Gainesville, FL 32608

telephone: (904) 378-1886
telex: 955-439 INTL TLX

principal contact: Joshua C. Dickenson, V.P.

2.) KBN Engineering & Applied Sciences, Inc.
P.O. Box 14288
5700 S.W. 34th ST.
Gainesville. FL 32604

telephone: (904) 375-8000

principal contact: James R. Newman
V.P. Natural Resources Mgt.

A.I.D. also has two contracts (IQCs) with firms which provide services dealing with remote sensing, mapping, and land cadastral surveying. These contractors are:

1) Contract No.: PDC-1406-I-00-7070-00
Earth Satellite Corporation
7222 47th St.
Chevy Chase, MD 20815

telephone: (301) 951-0104
telex: 248618 ESCO UR
telefax: (301)951-4077

Principal contact: Mr. William Brooner

2) Contract no.: PDC-1406-I-00-7071-00

Technology Application Center
University of New Mexico
2500 Central Ave., S.E.
Albuquerque, NM 87131

telephone: (505)277-3622
telex: 660461 ASSKS UNM ABQ
telefax: 505-277-3614

Principal contact: Dr. Dario Benjarano