

4 カウンターパート及び技術者・研修生リスト

INPA / MCT - ABC - JICA
 JACARANDA PROJECT - PHASE II
 "THE BRAZILIAN AMAZON FOREST RESEARCH PROJECT"
 PARTICIPANTS LIST - RESEARCHERS

AREA	ACTIVITIES - PDM	INPA'S COUNTERPART	JICA'S COUNTERPART	
1 DISTRIBUTION PATTERNS OF FOREST TYPES	1-1. Classify forest types by using remote sensing (RS) technology 1-2. Classify degraded area by using RS technology 1-3. Detect land cover change by using RS methodology 1-4. Develop methodology to improve classification accuracy and detect land cover 1-5. Improve methodology of evaluating distribution and seasonal changes of trees by using proximal RS	Antônio Nobre	Ph.D. Researcher INPA Yasuaki Hashimoto, B.Sc. (1-1; 1-2, 1-3; 1-4) Osamu Nakakita, Ph.D. (1-1; 1-2, 1-5)	
		2-1. Clarify distribution patterns of main tree species growing under different environmental and topographical conditions 2-2. Clarify natural regeneration process of main tree species growing under different environmental and topographical conditions 2-3. Clarify relationships between growth rates of some selected trees and environmental conditions	Niro Higuchi (2-1; 2-2, 2-3) Joaquim dos Santos (2-3) Gil Vieira (2-2) Raíff Ribeiro (2-2; 2-3) Roseana P. da Silva (2-3) Rosana da Rocha (2-3) Alberto C. Pinto Adriano N. Lima*	Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA M.Sc. Theoretical Assistant - INPA M.Sc. PPD Grant M.Sc. PPD Grant M.Sc. PPI Grant B.Sc. M.Sc. Student - CNPq Grant
3 SITE CHARACTERISTICS	3-1. Compare soil chemical properties in the sites of primary forest degraded areas and plantation over degraded areas 3-2. Compare soil physical properties and temperatures of sites in primary forest degraded areas and plantation over degraded areas 3-3. Undertake nutritional characterization of selected tree species 3-4. Establish relationships between tree distribution patterns and soil site characteristics in primary forest 3-5. Establish relationships between the growth of selected tree species and main soil site characteristics in plantation over degraded areas	João Fenz (3-1; 3-2; 3-3; 3-4; 3-5) Patrícia C. de Sales (3-1; 3-2; 3-3; 3-4; 3-5) Carlos E. Silva (3-1; 3-2; 3-3; 3-4; 3-5)	Ph.D. Researcher INPA M.Sc. Technician INPA B.Sc. Researcher - CNPq Grant Masamichi Takahashi, Ph.D. (3-1; 3-2) Keizo Hirai, M.Sc. (3-1; 3-4; 3-5) Masahito Kobayashi, B.Sc. (3-2)	
		4-1. Describe biometry and morphology of fruits and seeds and seed extraction methods 4-2. Determine requirements for seed germination 4-3. Classify seeds in relation to storage behavior 4-4. Determine tolerance to desiccation and low temperature stress of non-orthodox seeds 4-5. Gather information about longevity of seeds after dispersal in natural and disturbed environments	Iselde Ferraz (4-1; 4-2; 4-3; 4-4; 4-5) Paulo Sampaio (4-1) Ricardo Marengo (4-1; 4-4; 4-5) José Francisco C. Gonçalves (4-1; 4-4) Vania Varela (4-1; 4-2; 4-4) Michelle Ramos (4-3; 4-4) José Luís Camargo* (4-1) Conceição Prado* (4-5)	Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA M.Sc. Researcher INPA B.Sc. Technician INPA M.Sc. Researcher - CNPq Grant M.Sc. Ph.D. Student - CNPq Grant Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA M.Sc. Researcher INPA M.Sc. Technician INPA M.Sc. Technician INPA B.Sc. Technician INPA Ph.D. Researcher - CNPq Grant B.Sc. M.Sc. Student - CNPq Grant B.Sc. M.Sc. Student - CNPq Grant
5 SITE ADAPTABILITY	5-1. Clarify seedling responses to environmental factors 5-2. Clarify growth characteristics of seedlings planted in degraded areas	Antenor Barbosa (5-1; 5-2) Gil Vieira (5-1; 5-2) Luiz A. de Oliveira (5-1) Paulo Sampaio (5-1; 5-2) Ricardo Marengo (5-1) Moacir Campos (5-1; 5-2) Antônio Magalhães (5-1) Mary Jane Brandão (5-1) Tarcia Neves (5-1) Angélica Cortés (5-1) Wilson R. Spornello Franciane Oliveira* (5-2) Hélio de Magalhães* (5-1)	Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA Ph.D. Researcher INPA M.Sc. Researcher INPA M.Sc. Technician INPA M.Sc. Technician INPA B.Sc. Technician INPA Ph.D. Researcher - CNPq Grant B.Sc. M.Sc. Student - CNPq Grant B.Sc. M.Sc. Student - CNPq Grant	Shozo Nakamura, Ph.D. (5-1; 5-2) Shigeo Iida, Ph.D. (5-1; 5-2)

* Human Resources Capacitation within the Projects Areas

**INPA / MCT - ABC - JICA
JACARANDA PROJECT - PHASE II
"THE BRAZILIAN AMAZON FOREST RESEARCH PROJECT"**

PARTICIPANTS LIST - TECHNICIAN (INPA'S STAFF) AND TRAINEES

AREA	ACTIVITIES - PDM		INPA'S COUNTERPART	JICA'S COUNTERPART
1 DISTRIBUTION PATTERNS OF FOREST TYPES	<ul style="list-style-type: none"> 1-1. Classify forest types by using remote sensing (RS) technology 1-2. Classify degraded area by using RS technology 1-3. Detect land cover change by using RS methodology 1-4. Develop methodology to improve classification accuracy and detect land cover 1-5. Improve methodology of evaluating distribution and seasonal changes of trees by using proximal RS 	<ul style="list-style-type: none"> Jorge Costa Danny Wallace Luiz Clavo Braga* Isaac Bandeira Brasil* 	<ul style="list-style-type: none"> Technician INPA Technician INPA Trainee - CNPq/PIBIC Trainee IBA - Tec. High School 	
2 NATURAL FOREST DYNAMICS	<ul style="list-style-type: none"> 2-1. Clarify distribution patterns of main tree species growing under different environmental and topographical conditions 2-2. Clarify natural regeneration process of main tree species growing under different environmental and topographical conditions 2-3. Clarify relationships between growth rates of some selected trees and environmental conditions 	<ul style="list-style-type: none"> Bertran da Silva Patricia Gomes* Manuela Galvão* Núbia Fonseca* 	<ul style="list-style-type: none"> Technician INPA - Tec. School Degree Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC Trainee -IEL 	
3 SITE CHARACTERISTICS	<ul style="list-style-type: none"> 3-1. Compare soil chemical properties in the sites of primary forest degraded areas and plantation over degraded areas 3-2. Compare soil physical properties and temperatures of sites in primary forest, degraded areas and plantation over degraded areas 3-3. Undertake nutritional characterization of selected tree species 3-4. Establish relationships between tree distribution patterns and soil site characteristics in primary forest 3-5. Establish relationships between the growth of selected tree species and main soil site characteristics in plantation over degraded areas 	<ul style="list-style-type: none"> Andreza Mendonça* 	<ul style="list-style-type: none"> Trainee - CNPq/PIBIC 	
4 SEED ECOPHYSIOLOGY	<ul style="list-style-type: none"> 4-1. Describe biometry and morphology of fruits and seeds and seed extraction methods 4-2. Determine requirements for seed germination 4-3. Classify seeds in relation to storage behavior 4-4. Determine tolerance to desiccation and low temperature stress of non-orthodox seeds 4-5. Gather information about longevity of seeds after dispersal in natural and disturbed environments 	<ul style="list-style-type: none"> José Maria da Paz Lúcio Batalha Auxiliadora de Souza* Ângela Alves* Jackeline Almeida* André Pinheiro 	<ul style="list-style-type: none"> Technician INPA - Tec. School Degree Technician INPA - Tec. School Degree Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC Volunteer 	
5 SITE ADAPTABILITY	<ul style="list-style-type: none"> 5-1. Clarify seedling responses to environmental factors 5-2. Clarify growth characteristics of seedlings planted in degraded areas 	<ul style="list-style-type: none"> Johnny Vargas Cláudia Blair Amanda Silva* Flávio Bruno* Eriany S. Paiva* Neta Braga* 	<ul style="list-style-type: none"> Technician INPA - Tec. School Degree Technician INPA Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC Trainee - CNPq/PIBIC 	

* Human Resources Capacitation within the Projects Areas

INPA /MCT - ABC - JICA

JACARANDA PROJECT - PHASE II

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(1998-2003)

BRAZILIAN COUNTERPART

POSITION	ACADEMIC GRADE	QUANTITY
Researcher INPA	Ph.D.	10
Researcher INPA	M.Sc.	2
Technician / Assistant INPA	M.Sc.	5
Technician INPA	B.Sc.	2
Technician INPA / Tec. School Degree		7
Sub Total		26
Researcher - CNPq Grant*	Ph.D.	1
Researcher - CNPq Grant*	M.Sc.	5
Researcher - CNPq Grant*	B.Sc.	4
Trainee (Studentes)		14
Sub Total		24
TOTAL		50

* MCT - PCI / CNPq