

## Summary of Activities and Accomplishments, India

<b>1. Capacity building</b>				
<i>a) Technical assistance provided by experts to India</i>				
Expert	Dates	Purpose		
F Rognon R R A Peries P Batugal	July 1995	To identify suitable site for International Coconut Genebank for South Asia		
CIRAD (L. Baudouin, R. Bourdeix, J. Ollivier)	Feb – Apr 1999	To evaluate COGENT's collecting strategies, identify gaps in germplasm collecting and recommend ways to improve conservation effort.		
Robert Ikin	Jun – Aug 1999	Pest risk assessment of International Coconut Genebank in the three countries		
<i>b) In-country training courses conducted with India research participants</i>				
Schedule	Course/Training Activities	Venue/Host	No. Trainees/ Countries	Funding Agency
12 – 25 October 2000	Regional Training Course on In-Vitro Conservation and Cryopreservation on PGR	NBPGR, India	7/5	ADB
2 – 10 June 2006	Training on Coconut Candy Making	Peekay Foundation, India		IFAD
<i>c) Local researchers trained</i>				
Name	Dates, Country	Training Course		
Ratnambal MJ	19 – 28 Jun 1995, Indonesia	STANTECH Trainers' Course		
Raman Velayudhan Nair	17 – 28 Jun 1996, Sri Lanka	Regional STANTECH Course for South Asia		

Anuradha Upadhyay	27 – 31 Oct 1997, Philippines	Embryo Culture Workshop/Training
P K Thampan	16 – 20 Mar 1998, Philippines	Farmer Participatory Research on Coconut Diversity (Asia)
Anitha Karun	12 – 25 Oct 2000, India	Regional Training Course on In- Vitro Conservation and Cryopreservation on PGR
S M Latha	Ditto	Ditto
M K Rajesh	15 – 24 April 2002, France	Workshop on Coconut Genetic Resources Management Using Microsatellite Kit and Dedicated Statistical Software
V Arunachalam	Ditto	Ditto
P K Thampan	18 – 20 Aug 2003	Training Course on Producing Coconut-based Food Products (Bokayo, Buko Pie, Sugar, Candies)
C Thamban	15 – 17 June, 2006, Bogor, Indonesia	Training Course on Socioeconomics and Participatory Approaches to Reduce Poverty in Coconut Growing Communities
S Kalavathi	2-3 July 2007, Hainan, China	Training course on Markets and Market Development for the project on Overcoming Poverty in Coconut Growing Communities
George V Thomas	2-3 July 2007, Hainan, China	Training course on Markets and Market Development for the project on Overcoming Poverty in Coconut Growing Communities
Anitha Karun	11- 15 December 2008	Training and research workshop: Coconut embryo culture to improve collecting and safe movement of germplasm
<b><i>d) BIOVERSITY-COGENT meetings/workshops held in India</i></b>		
Date	Activity	Location

11 - 12 September 1995	CGRNAP annual review and planning meeting	Kasaragod, India
13 - 15 September 1995	Fourth COGENT Steering Committee Meeting	-do-
17-19 July 2000	International Coconut Genebank Workshop	Chennai, India
20-22 July 2000	9 <sup>th</sup> COGENT Steering Committee Meeting	-do-
24-28 July 2000	International Coconut Conference	Chennai, India
30 Oct - 1 Nov 2002	International Coconut Genebank Meeting and Consultation on Proposed Globally Coordinated Coconut Breeding	Kasaragod, India
28 Nov – 1 Dec 2005	14 <sup>th</sup> COGENT Steering Committee Meeting	Mangalore, India

## 2. BIOVERSITY-COGENT projects in India

Project Title	Host Institute	Budget/ Funding Agency (US\$)	Budget/ National Funding (US\$)
a) Strengthening of national coconut germplasm collection	Central Plantation Crops Res.	13,800/ADB	17,692

	Institute		
b) Additional collecting of coconut germplasm in the Indian Ocean Islands, Nikobar and Lackswadeep Is.	-do-	13,000/ADB	33,333
c) Strengthening embryo culture and biotechnology capability of International Coconut Genebank for South Asia	-do-	30,000/ADB	19,000
d) Improvement of <i>in vitro</i> techniques for collecting and exchange of coconut germplasm	-do-	5,000/DFID	9,020
e) Assessment of performance of coconut hybrids and farmers' varietal preferences	-do-	2,000/APCC	1,000
f) Establishing a framework and selecting project sites for nationwide deployment of coconut-based poverty reduction interventions in coconut growing communities using COGENT's 3-pronged strategy in India	-do-	2,700/DFID	1,350
g) Importation and growing of designated germplasm from COGENT member countries for conservation in the International Coconut Genebank for South Asia (ICG-SA)	-do-	5,000/ADB	2,500
h) Introduction of coconut germplasm from COGENT member countries into the International Coconut Genebank for South Asia	-do-	3,000/DFID	1,500
i) Catalogue of Conserved Coconut Germplasm	-do-	1,000/ADB	500
j) Evaluation and conservation of germplasm for young tender coconuts	Peekay Tree Crops Dev. Foundation	19,950/IFAD	22,080
k) Study on the deployment of coconut diversity	-do-	1,000/IFAD	500
l) Study on the deployment of coconut diversity (Phase II)	-do-	1,000/IFAD	500
m) Establishing a framework and selecting project sites for nationwide deployment of coconut-based poverty reduction interventions in coconut growing communities using COGENT's 3-pronged strategy in India	-do-	300/DFID	150
n) Developing Sustainable Coconut Based Income Generating Technologies in Poor Rural Communities in Vayalar, Kerala, India (Year 1)	-do-	4,435/ADB	2,400

o) Farmer Participatory Characterization of Coconut Varieties in Poverty Reduction Project Site in Vayalar, Kerala, India	-do-	330/DFID	165
p) Developing Sustainable Coconut-Based Income Generating Technologies in Poor Rural Communities in India (Year 1)	Central Plantation Crops Res. Institute	6,162/ADB	3,050
q) Farmer Participatory Characterization of Coconut Varieties in 2 Poverty Reduction Project Sites in India	-do-	670/DFID	335
r) Developing Sustainable Coconut-Based Income Generating Technologies in Poor Rural Communities in India (Year 2)	-do-	19,787/ADB	15,150
s) Developing Sustainable Coconut Based Income Generating Technologies in Poor Rural Communities in Vayalar, Kerala, India (Year 2)	Peekay Tree Crops Dev. Foundation	10,425/ADB	3,050
t) Molecular marker-based characterization of conserved coconut germplasm in national genebank and selected farmers' varieties in the BIOVERSITY/COGENT poverty reduction project sites in India	Central Plantation Crops Res. Institute	2,000/DFID	1,000
u) Developing Sustainable Coconut-Based Income Generating Technologies in Poor Rural Communities in India (Year 3)	Central Plantation Crops Res. Institute	6,326/ADB	14,500
v) Developing Sustainable Coconut Based Income Generating Technologies in Poor Rural Communities in Vayalar, Kerala, India (Year 3)	Peekay Tree Crops Dev. Foundation	3390/ADB	350
w) Molecular marker-based characterization of conserved coconut germplasm in India	Central Plantation Crops Research Institute (CPCRI)	3,000/DFID	1,500
x) Case study and documentation of achievements and resource enhancement of Vayalar Community Development Centre (VCDC): "Best global coconut community"	Vayalar Community Development Centre (VCDC)	2,000/ADB	-
y) Documentation of best coconut community achievements and success stories: Vayalar Community	Mr P K Thampan	1,000/ADB	-

Development Centre (VCDC)	President Peekay Tree Crops Development Foundation		
z) Documentation of success story for intercropping (India)	Mr B Kunhambu	250/ADB	-
aa) Documentation of success story for livestock production (India)	Mr P V Koran	250/ADB	
bb) Documentation of success story for production of high value coconut-based products (India)	Mrs Preethy Panicker	250/ADB	-
cc) Overcoming Poverty in Coconut-Growing Communities: Coconut Genetic Resources for Sustainable Livelihoods in India (2005)	Central Plantation Crops Research Institute (CPCRI)	18,210/IFAD	8,500
dd) Overcoming Poverty in Coconut-Growing Communities: Coconut Genetic Resources for Sustainable Livelihoods in India (2006)	CPCRI	24,185/IFAD	8,700
ee) Enhancing CBO activities and Microcredit Systems in Coconut-Growing Communities in Vayalar, India	Peekay Tree Crops Development Foundation	2,000/IFAD	-
ff) Overcoming Poverty in Coconut-Growing Communities: Coconut Genetic Resources for Sustainable Livelihoods in India (2007)	CPCRI	13,105IFAD	8,800
<b>Total for India</b>		<b>215,975</b>	<b>176,625</b>

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