

RIMBA: Sustainable Forest Livelihoods in Malaysia and Australia



Editors: Gillian Ainsworth - Stephen Garnett



**RIMBA: Sustainable Forest Livelihoods
in Malaysia and Australia**

Editors

**Gillian Ainsworth
Stephen Garnett**

**Institute for Environment and Development (LESTARI)
Universiti Kebangsaan Malaysia
Bangi**

2009

First Printing, 2009
Copyright
Charles Darwin University (CDU)
Institute for Environment and Development (LESTARI), UKM
Universiti Malaysia Sawarak (UNIMAS)

All rights reserved. No part of this publishing may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, without permission in writing from the publisher.

Published in Malaysia by
Institute for Environment and Development (LESTARI),
Universiti Kebangsaan Malaysia (UKM)

Perpustakaan Negara Malaysia Cataloguing-in-Publication Data

Rimba: sustainable forest livelihoods in Malaysia and Australia /
editors Gillian Ainsworth, Stephen Garnett.
ISBN 978-967-5227-30-1
1. Forest and forestry--Malaysia. 2. Environmental education--Australia.
3. Sustainable forestry. I. Ainsworth, Gillian, 1968-. II. Garnett,
Stephen, 1955-.
634.909595

CONTENTS

<i>Acknowledgement</i>	7
<i>Introduction</i>	9

BACKGROUND PAPERS PRESENTED

Values of the Malaysian Environment

- 1. Geoheritage Conservation in the Langkawi Global Geopark.** 13
Prof Dato' Dr Ibrahim Komoo and Prof Dr Mohd Shafeea Leman, UKM
- 2. Comparative phylogeography of Mountain Blackeye (*Chlorocharis emiliae*) populations in Malaysian Borneo.** 20
Dr Mustafa Abdul Rahman and Dr Dency F Gawin, UNIMAS
- 3. Review on the Molecular Phylogeny of Selected Malaysian Bats.** 28
Dr Mohd Tajuddin Noor Haliza Hasan, Faisal Ali Anwarali Khan, Jeffrine Japning Rovie-Ryan, Jayaraj V Kumaran, Yuzine Esa, Imelda Vivian Paul, Siti Nurlydia Sazali & LS Hall, UNIMAS
- 4. Ethnobotanical Resources in Peat Land Forests in Kabong, sub-district of Roban, Sarawak, Malaysia.** 35
Dr Gabriel Tonga and Dr Peter Songan, UNIMAS

Co-management of Protected Areas

- 1. Collaborative Management of Protected Areas: Integrating Management Concepts and Approaches to Implement and Improve Co-management.** 47
Dr Arturo Izurieta, CDU
- 2. Impacts of Highly Disturbed Teru River Catchment on the Survival of Loagan Bunut Lake.** 52
Prof Dr Lau Seng, Prof Dr Murtedza Mohamed, Assoc Prof Dr Gabriel Tonga Noweg, Dr Alexander Sayok and Dr Richard Dagang Belanda, UNIMAS

3.	Co-management of Loagan Bunut National Park, Sarawak, Malaysia. Dr Alexander K Sayok UNIMAS, Dr Hj Sapuan Ahmad, Forest Department, and Dr Andrew A Tuen, UNIMAS	61
4.	Participatory Monitoring and Evaluation for Joint Management of Parks and Reserves in the Northern Territory. Natasha Stacey and Arturo Izurieta, CDU	70
5.	Integrated Management Plan: A Case Study of South-east Pahang Peat Swamp Forest in Peninsular Malaysia. Shaharuddin Mohamad Ismail, Ahmad Fariz Mohamed, Abdul Rahim Nik and Grippin Akeng, UKM	79
6.	Co-management Of Natural Resources Within A River Basin: A Novel Approach for Effective Water Governance in Malaysia. Prof Dr Mazlin Mokhtar, Mohamed Abdullah Abraham Hossain, Dato' Shaharuddin Mohamad Ismail, Mr Tan Kok Weng and Emeritus Prof Dato' Dr Hood Salleh, UKM	88
Landscape Approaches to Natural Resource Management		
1.	Joint Management And Multiple Use In A Climate Change Era. Prof Stephen Garnett and Ms Gillian Ainsworth, CDU	101
2.	Conservation Status Of Wildlife Protected Areas In Peninsular Malaysia: An Assessment Based On Landscape Approach. Dr Saiful Arif Abdullah, Abdul Malek Mohd Yusuf and Shukor Md Nor, UKM	107
3.	Using Models for Landscape Planning: Scale, Complexity and Utility. Dr Neil Collier and Prof Stephen Garnett, CDU	115
4.	Development And Wildlife Tourism at Kuching Wetlands National Park in Sarawak. Dr Andrew A Tuen and Dr William Beavitt, UNIMAS	125

5.	Incorporating Social Science Analysis Into Natural Resource Management Programs: Forest Governance In Sarawak As A Case Study.	134
	Assoc Prof Dennis Shoesmith, CDU	
Overview Papers		
1.	Challenges In The Governance Of Environmental Services: Questions And Issues Requiring Strategic Responses.	145
	Prof Ian Thynne, CDU	
2.	Integrated Public Education for Heritage Conservation: A Case for Langkawi Global Geopark	151
	Assoc Prof Norzaini Azman, Sharina Abd Halim & Ibrahim Komoo, UKM	
Symposium Organization		
1.	Programme	158
2.	Organizing Committee	160
3.	List of Participants	161