

Appendix 1. Communications activities undertaken in project R7335 (Adaptive learning)

Table 1 Communication activities and outputs for the Adaptive learning Project (R7335) in Lao PDR 1999-2002.

Time Period	Stakeholder group		Outputs
	Target group activities	CSU stakeholder activities	
Sept 1999		RDC liaison meeting	Project MoU ¹ (English and Lao)
Sept-Dec 1999	Resource user and district staff interaction on project objectives and resource management using participatory methodologies.		
Feb 2000	District staff workshop to analyse data collected from resource users and waterbody sampling, share information and experiences and discuss management experiment.		Workshop reports ¹ (English and Lao)
Feb 2000		Papers presented at international/regional meeting on culture based fisheries.	Papers (English) and networking
Feb 2000		Paper presented at international/regional meeting on aquaculture.	Papers (English) and networking
Apr 2000	Village representative workshop to present information from the analysis workshop, share information and experiences and to agree plan for management experiment.		Workshop reports ¹ (English and Lao)
May 2000		Paper on optimal fish release size published	Paper ² (English)
June 2000	District staff workshop to develop monitoring system and data collection forms, train staff in data collection and to agree a stocking plan.		Workshop reports ¹ (English and Lao)
June 2000		Posters presented at email conference on fisheries	Posters ¹ (English)
July 2000		Participation in DFID aquatic resources retreat	Networking
Feb 2001	District staff workshop to analyse the results of the management experiment, share information and experiences and discuss management experiment for		Workshop reports ¹ (English and Lao)

	2001.		
Mar 2001	Village representative workshop to present information from the analysis workshop and to share information and experiences		Workshop reports ¹ (English and Lao)
Apr 2001	Village representative workshop to agree plan for management experiment and discuss monitoring of the experiment.		Workshop reports ¹ (English and Lao)
May 2001		Presentation at co-management workshop	Networking
June 2001	T-shirts publicising the project distributed		T-shirts
June 2001	District staff workshop to discuss existing monitoring systems and improve data collection forms.		Workshop reports ¹ (English and Lao)
July 2001	Presentation at government fair.		Poster (Lao) and networking
Feb 2002		Presentation at reservoir fisheries workshop	Networking
Feb 2002	District staff workshop to analyse the results of the management experiment, share information and experiences.		Workshop reports ¹ (English and Lao)
Apr 2002	Village representative workshop to present information from the analysis workshop and to share information and experiences.		Workshop reports ¹ (English and Lao)
May 2002		Paper on density dependent growth published	Paper ² (English)
June 2002		Guidelines on community fisheries management produced.	Community fisheries guidelines ^{1,2} (English and Lao)
July 2002		Guidelines on implementing the adaptive learning approach.	Adaptive learning guidelines ² (English)
July 2002		Final workshop to present and discuss the adaptive learning approach and the guidelines.	Workshop reports ^{1,2} (English and Lao) and networking
July 2002		Final technical report produced	Final Technical Report ²

1 = Hard copies held at RDC, Savannakhet, Lao PDR

2 = Copies available on-line at: <http://www.fmisp.org.uk>

Materials produced in R7335.

1) Publications:

Lorenzen, K. (2000) Allometry of natural mortality as a basis for assessing optimal release size in fish stocking programmes. *Canadian Journal of Fisheries and Aquatic Sciences* 57: 2374-2381

Garaway, C., Lorenzen, K. & Chamsingh, B. (2001) Developing fisheries enhancements in small waterbodies: lessons from Lao PDR and Northeast Thailand. In: *Reservoir and Culture-Based Fisheries: Biology and Management*. Edited by S.S. de Silva. ACIAR Proceedings 98. Canberra: ACIAR. pp. 227-234.

Lorenzen, K. (2001) Using population models to assess culture-based fisheries: a brief review with an application to the analysis of stocking experiments. In: *Reservoir and Culture-Based Fisheries: Biology and Management*. Edited by S.S. de Silva. ACIAR Proceedings 98. Canberra: ACIAR. pp. 257-265.

Lorenzen, K. & Welcomme, R.L. (2001) Stocking. In: *Inland Fisheries: Ecology and Management*. Compiled by R.L. Welcomme for the UN Food and Agriculture Organisation. Oxford: Blackwell Science. pp. 241-253.

Lorenzen, K., Amarasinghe, U.S., Bartley, D.M., Bell, J.D., Bilio, M., de Silva, S.S., Garaway, C.J., Hartmann, W.D., Kapetsky, J.M., Laleye, P., Moreau, J., Sugunan, V.V. & Swar, D.B (2001) Strategic review of enhancements and culture-based fisheries. In: *Aquaculture in the Third Millennium*. Rome: FAO. pp. 221-237. (Also online: <http://www.fao.org/DOCREP/003/AB412E/AB412E00.HTM>)

Lorenzen, K. & Enberg, K. (2002) Density-dependent growth as a key mechanism in the regulation of fish populations: evidence from among-population comparisons. *Proceedings of the Royal Society of London Series B - Biological Sciences* 269: 49-54.

2) Internal Reports:

Arthur, R.I, Lorenzen, K (2002) Performance of alternative experimental strategies for developing extensive polyculture systems in small water bodies.

Garaway, C.J, Lorenzen K., Chamsingh, B. (2000) Effect of stocking on small waterbody production and the role of institutional factors in determining the outcomes of community-led enhancement. Case Studies from Lao PDR.

Arthur, R.I, Garaway, C.J, Lorenzen, K (2001) Adaptive Learning: A broadening of the concept of adaptive management and implications for its implementation.

Garaway, C.J, Arthur, R.I (2002) Identifying and developing strategies for enhancing learning: a summary of ideas and methodologies used in the DfID Adaptive Learning project 1999-2002.

Arthur, R.I, Garaway, C.J (2002) Results of the exploratory baseline study to investigate the status of community led management of small waterbodies in Southern Lao PDR

Arthur, R.I, Garaway, C.J, Lorenzen, K (2002) Results of an experimental approach to community led management of small waterbodies in Southern Lao PDR

Garaway, C.J, Arthur, R.I (2002) Evaluation of the MRAG/RDC Adaptive Learning approach: small Waterbody Enhancements in Lao PDR 1999-2002.

MRAG Ltd / RDC (2000, 2001, 2002) Summary reports of the district staff data analysis workshops on adaptive learning and community fisheries in Savannakhet (English & Lao versions)

MRAG Ltd / RDC (2001, 2002) Summary reports of the village level discussion workshops on adaptive learning and community fisheries in Southern Laos (English & Lao version)

MRAG Ltd / RDC (2000, 2001) Summary reports of the village level planning workshops on adaptive learning and community fisheries in Southern Laos (English & Lao version)

MRAG Ltd / RDC (2000, 2001) Reports of the district monitoring training workshop on adaptive learning and community fisheries in Southern Laos (English & Lao version)

MRAG Ltd / RDC (2001) Summary report of the stocking for adaptive learning and community fisheries in Southern Laos (English & Lao version)

MRAG Ltd / RDC (2000) Community Fisheries Theme Sheet (English), RDC Report, Savannakhet, Lao PDR

3) Guidelines

Garaway, C.J & Arthur, R.I (2002) Adaptive Learning. Lessons Learned from Southern Lao PDR

Garaway, C.J & Arthur, R.I (2002) Community Fisheries. Lessons Learned from Southern Lao PDR

4) Presentations at workshops/conferences

Developing fisheries enhancements in small water bodies: lessons from Lao PDR and Northeast Thailand. ACIAR and MRC Reservoir & Culture Based Fisheries Workshop. Bangkok, 14-18th February 2000 (presented by Caroline Garaway).

Population dynamics models as practical tools for the assessment of culture-based reservoir fisheries. ACIAR and MRC Reservoir & Culture Based Fisheries Workshop. Bangkok, 14-18th February 2000 (presented by Kai Lorenzen).

Enhancements & Culture Based Fisheries. NACA/FAO Aquaculture in the 3rd Millenium Conference. Bangkok February 20th –25th 2000 (presented by Kai Lorenzen).

Participatory Adaptive Learning for Community Fisheries in Lao PDR. MRC Co-management Workshop, RDC, Savannakhet, Lao PDR & Mugdahan, Thailand. May 14th –25th 2001 (presented by Caroline Garaway).

Performance of alternative experimental strategies for optimising multi-species fish stocking programmes. EU FISHSTRAT end of project workshop, Bangkok, February 23rd –24th 2002 (presented by Robert Arthur).

Adaptive Learning. Experiences from Savannakhet & Khammouane Provinces Lao PDR. MRAG/RDC Adaptive Learning Final Workshop Savannakhet, Lao PDR 2nd-3rd July 2002 (presented by Robert Arthur).

An evaluation of the Adaptive Learning Approach. MRAG/RDC Adaptive Learning Final Workshop Savannakhet, Lao PDR 2nd-3rd July 2002 (presented by Caroline Garaway).