



## CLUSTER CONCEPT 1 – PLANNED PHASE I (2009-11) ACTIVITIES

**Cluster Topic:** Golden Quadrangle Integrated Approach to Tourism, Climate Change & Environmental Performance Assessment

<b>Activity 2</b>	Co-benefits of Ecosystem Restoration, Poverty Reduction and Community Preparedness for Climate Change
<b>Scope of Work</b>	<p><u>Poverty reduction</u></p> <ol style="list-style-type: none"> <li>1. Update current socioeconomic profiles and assess levels of poverty in the Mengla Mengyang corridor;</li> <li>2. Assess alternative livelihoods improvement interventions and incentives to promote natural forest protection and biodiversity conservation including alternative energy options, demonstrating it in at least four villages within the Xishuangbanna BCI landscape; and</li> <li>3. Establish revolving funds/small grants scheme for selective villages.</li> </ol> <p><u>Land use planning</u></p> <ol style="list-style-type: none"> <li>1. Review current land use planning and BCI feasibility in the Mengla Mengyang corridor, Mengsong-Bulangshan nature reserve/corridor and Meili Snow Mountain northern Yunnan including assessment and consideration of potential human vs. wildlife conflicts.</li> </ol> <p><u>Restoring ecosystem connectivity</u></p> <ol style="list-style-type: none"> <li>1. Identify areas of landscape connectivity in key fragmentation points for establishment of corridor linkages through natural regeneration and human assisted natural regeneration (including enrichment planting), and initiate restoration activities.</li> </ol> <p><u>Capacity building</u></p> <ol style="list-style-type: none"> <li>1. Identify training and capacity building needs including training on participatory planning, participatory monitoring and evaluation, and patrolling.</li> </ol> <p><u>Climate change adaptation</u></p> <ol style="list-style-type: none"> <li>1. Development of information management approaches for minimizing climate change risks on local communities in BCI sites using remote sensing in the target provinces of Xishuangbanna, Simao and Luang Namtha;</li> <li>2. Assessment of climate change vulnerability of the population in at least two biodiversity sites in Xishuangbanna and in Luang Namtha PA, applying technical modeling of climate change parameters; and</li> <li>3. Technical training on modeling and assessment of climate change impact.</li> </ol>
<b>Expected Outputs</b>	<ol style="list-style-type: none"> <li>1. Socio-economic baseline established with identification of</li> </ol>



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	<p>potential interventions for livelihood improvement;</p> <ol style="list-style-type: none"> <li>2. Preliminary mapping of land use, land use planning and biodiversity corridor area identification completed for the Mengla Mengyang corridor;</li> <li>3. Potential area of ecosystem restoration identified in the Mengla Mengyang corridor;</li> <li>4. Technical capacity developed for a core group of environmental specialists in Yunnan, PRC and Lao PDR for monitoring and measuring impacts of climate change on ecological and biodiversity parameters within the Golden Quadrangle cluster of protected areas and BCI pilot sites; and</li> <li>5. Improved preparedness of communities residing in BCI against risks arising from climate change.</li> </ol>
<b>Budget &amp; Period of Utilization</b>	<p>The estimated cost of the planned scope of work is USD 481,025 to be utilized from January 2009 to December 2011.</p> <p>A budget summary for Activity 2 is provided below. Detailed activity budgeting assumptions and work plans are provided in Annex 2.</p>
<b>Estimated Completion Date</b>	December 2011
<b>Implementation Arrangements</b>	<p>The EOC will be responsible for overall planning, technical quality control and monitoring and evaluation. The activity will be coordinated by YEPB (Yunnan), WREA (Lao PDR) and MNRE (Thailand).</p> <p>The activity will build on ongoing site level activities within the BCI pilot site in PRC (Xishuangbanna). National Support Units (NSUs) have been set up within MEP (PRC). In Yunnan, a Provincial Coordination Unit has already been set up implementing activities in Xishuangbanna BCI site. Xishuangbanna Tropical Botanical Garden (XTBG) is providing technical support to provincial and prefectural environmental protection bureau (EPB) to implement BCI activities.</p>
<b>Capacity Development</b>	<p>Capacity development activities led by national consultants will strengthen human resources and institutional capacity of environmental and the sectoral agencies within the Golden Quadrangle. Training needs and target audiences will be identified through conduct of a capacity needs assessment.</p>
<b>Outreach</b>	<p>Outreach activities will be carried out to share best practices and lessons learned among national stakeholders as well as to ensure coordination and alignment of natural resources management priorities across the GMS. The outreach products that will be produced will be tailored to the needs of the stakeholders as well as selected priority target groups within the Core Environment Program.</p>



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**Budget Allocation**

Activities	Specialist Services	Equipment & Data	Workshop, Meeting & Seminar	Publication & Reporting	EOC Inputs	Other Inputs & Contingency	Total
Poverty reduction	43,000	50,000	25,000	5,000	5,000	56,400*	184,400
Land use planning	61,000	10,000	25,000	0	5,000	5,050	106,050
Restoring ecosystem connectivity	15,000	50,000	5,000	0	0	3,500	73,500
Capacity building	15,500	5,000	30,000	0	0	2,525	53,025
Climate change adaptation	21,000	10,000	25,000	0	5,000	3,050	64,050
Total							481,025

\* including revolving fund