



CLUSTER CONCEPT 3 – PLANNED PHASE I (2009-11) ACTIVITIES

Cluster Topic: Integrated Spatial and Strategic Approach to Facilitate Sustainable Development in the East West Economic Corridor

Activity 4	Assessment of Climate Change Impacts on the Agriculture Sector
Scope of Work	<ol style="list-style-type: none"> 1. Conduct assessment of climate change impacts on agricultural production by: <ol style="list-style-type: none"> i. Review of current and historical data and collect samples on wet and dry rice production and yield per hectare in the selected sites (Xepian Dong Hua Sao in Lao PDR, Tenasserim in Thailand, and Quang Nam Province in Viet Nam); ii. Critically assess and compare collected data, and estimate the overall economic costs of production and revenue generated from rice using historical data and project these in models of future trends; iii. Draw up scenarios of business as usual and business with adaptation measures containing economic and financial cost implication; 2. Hold one regional/sub-regional workshop to discuss result from climate change adaptation; and 3. Prepare an adaptation plan based results of the assessment.
Expected Outputs	Climate change impacts on agricultural production (rice yields) assessed and potential adaptation measures identified in BCI pilot sites in Lao PDR, Thailand and Viet Nam.
Budget & Period of Utilization	<p>The estimated cost of the planned scope of work is USD 118,388 to be utilized from January 2009 to June 2010.</p> <p>A budget summary for Activity 4 is provided below. Detailed activity budgeting assumptions and work plans are provided in Annex 2.</p>
Estimated Completion Date	June 2010
Executing Agency	GMS Environmental Operations Center
Implementation Arrangements	<p>The EOC will be responsible for overall planning, technical quality control and monitoring and evaluation in coordination with WGE focal points.</p> <p>Murdoch University, Australia will be responsible for on-site implementation of the activities in collaboration with, but not limited to IRRI, Hanoi Agricultural University and Centre for Environment Research Education and Development (CERED). Implementation will be coordinated with the GMS Working Group on Agriculture (WGA) and the ADB focal point/project officer for WGA, and the University Network.</p>
Capacity Development	Capacity development activities led by consultants will strengthen



**Greater Mekong Subregion
Core Environment Program and Biodiversity Conservation Corridors Initiative**