

# LOGICAL FRAMEWORK FOR CASITA II PROJECT (updated)

Contract TH/Asia ITC&C II/04 (96405)

	<b>Intervention Logic</b>	<b>Objectively Verifiable Indicators</b>	<b>Results (Quantitative/Qualitative)</b>
<b>Overall objectives</b>	<p><i>Long-term objective of the project :</i></p> <p>To develop a cadre of young professionals in Asian countries with competence in applications of modern IT&amp;C tools in hazard mapping and mitigation for spatial planning and development to facilitate natural disaster vulnerability reduction for populations, infrastructure, critical facilities and shelters in human settlements in Asia.</p>	<ol style="list-style-type: none"> <li>1. Reduced number of victims of natural disaster events</li> <li>2. The number of professionals with knowledge and skills on application of modern IT&amp;C tools employed in Urban development</li> <li>3. Number of practitioners knowledgeable in application of risk mitigation tools employed by development agencies</li> <li>4. Number of Joint research publications</li> </ol>	<ol style="list-style-type: none"> <li>1. During the project period, it will be difficult to monitor the changes in the no. of victims.</li> <li>2. The project had trained 158 professionals directly thru project activities.</li> <li>3. The project has trained 295 practitioners directly thru project activities</li> <li>4. The project has provided inputs for development of 12 joint research papers.</li> </ol>

	<p><b>Short-term specific objectives:</b></p> <ol style="list-style-type: none"> <li>1. To promote research and develop a postgraduate program in the field of GIS/RS applications in natural hazard and risk assessment in several universities in Asia</li> <li>2. To develop a distance education course at ADPC to help practitioners aspiring to advance the knowledge and skills in application of modern disaster mitigation tools</li> <li>3. To advocate for increased collaboration between European and Asian academic institutions for joint academic programs, courses and distance education using modern IT&amp;C techniques</li> </ol>		
<b>Project purpose</b>	To increase the level of applications of modern IT&C tools in urban development environmental and natural resource management and risk mitigation interventions in order to increase the safety of communities living in hazard prone areas	<ol style="list-style-type: none"> <li>1. Post graduate courses offered by at least three universities in Asia</li> </ol>	<ol style="list-style-type: none"> <li>1. Two courses are being offered by beneficiaries (IIRS India and Gadjah Mada University, Indonesia) under direct funding support from the project. The project also supported 2 other post-graduate courses namely, the course offered by Post Graduate Institute Peradeniya, Sri Lanka and</li> </ol>

		<ol style="list-style-type: none"> <li>2. One distance education developed, pilot tested and delivered by ADPC in collaboration with ITC and BU</li> <li>3. At least 03 publications written and submitted to international refereed journals by researchers/post graduate students using the material or joint research work under the project</li> </ol>	<p>BRAC University, Bangladesh.</p> <ol style="list-style-type: none"> <li>2. The project has developed 01 distance education course and this was pilot tested in ITC-The Netherlands and IIRS , India</li> <li>3. 1 joint paper on landslide studies submitted and published in Journal of the International Consortium on Landslide and 1 paper has been submitted and accepted to the Proceedings of the Asian Conference on Remote Sensing, November 2005, Hanoi, Vietnam. A technical paper based on the research carried out by Mr. Torsten Drey from Bonn University, under his PhD is under preparation and will be submitted for review soon.</li> </ol>
<b>Expected Results</b>	<ol style="list-style-type: none"> <li>1. Kick off workshop</li> <li>2. Detailed project workplan and tasks assigned to partners</li> <li>3. A survey on capacity assessment, inventory of</li> </ol>	<ol style="list-style-type: none"> <li>1. Proceedings of the project kick-off workshop prepared</li> <li>2. Project workplan prepared and regularly updated</li> <li>3. Project reports on need assessments prepared</li> </ol>	<ol style="list-style-type: none"> <li>1. Proceedings of the Kick-off Meeting submitted to EC Bangkok Office (See Year 1 Annexure)</li> <li>2. See page 5-11 of the CASITA 2 final report</li> <li>3. Report submitted, please see Year 1 Annexure</li> </ol>

	<p>needs and opportunities</p> <ol style="list-style-type: none"> <li>4. A website of the project, web based virtual platform for distance learning</li> <li>5. Post graduate curriculum on GIS/RS for natural hazard and risk assessment in at least three universities in Asia</li> <li>6. Joint research related to master degree postgraduate programs in the field of GIS/RS natural hazard and risk assessment</li> <li>7. Distance education course on natural hazard and risk assessment developed at ADPC</li> <li>8. Final workshop</li> </ol>	<ol style="list-style-type: none"> <li>4. Website on CASITA II and virtual platform established and updated regularly with project outputs</li> <li>5. Ten trained university staff/post graduate students by ITC on modern ITC applications such as GIS/RS in hazard and risk assessment</li> <li>6. Postgraduate Master Degree Courses established in Asia at least 04 Joint research outputs based on scientific papers written and published</li> <li>7. A distance education course on hazard and risk assessment established at ADPC</li> <li>8. A system of quality assurance</li> </ol>	<ol style="list-style-type: none"> <li>4. Website and the virtual platform have been established and used for project related work during Year 1 and Year 2</li> <li>5. See Table 2, activity 4 Total no. of 16 trained  5 by selected partner universities 4 by MSC Students from GMU 7 by IIRS MSc students</li> <li>6. Postgraduate master degree courses have been established in IIRS and Gadjadara University. Two (2) MSc courses in Ruhuna University and Chiang Mai University are in the process of establishment. Two other universities namely, PGIS Sri Lanka and BRAC University, Bangladesh (from CASITA network) have established MSc Courses through the technical contributions of the project.</li> <li>7. Distance education course on hazard and risk assessment at ADPC has been established.</li> <li>8. The faculty member of ITC, BU</li> </ol>
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		developed and introduced to facilitate peer review process or project outputs and reported in final workshop	and ADPC regularly visited beneficiary universities under the established quality assurance schemes. See Table 2 under activity 8
<b>Expected results</b>	<b>Envisaged effects and benefits</b>	<ol style="list-style-type: none"> <li>1. At least 10% increase in number of students undertaking courses supported by GIS/RS</li> <li>2. At least 10% increase in number of young professionals knowledgeable in GIS/RS employed by local authorities</li> <li>3. One distance education program developed and pilot-tested by ADPC</li> </ol>	<ol style="list-style-type: none"> <li>1. The MSc courses in Gadjra Mada University, BRAC University and PGIS, Sri Lanka were established during the project period. Total students intake is around 60.</li> <li>2. The target universities conduct independent courses using the project experience. Also, the target universities had integrated GIS/RS materials in the on-going courses. The increase can not be quantified due to inavailability of statistics from the universities but exceeds 10% which was targeted under the project.</li> <li>3. The distance education course was pilot tested in ITC and IIRS.</li> </ol>
	<ol style="list-style-type: none"> <li>1. University staff involved in post graduate courses will multiply their knowledge and will be used in undergraduate and post graduate teaching in future. Number of students get enrolled in studies will be increased.</li> <li>2. The young professionals involved in post graduate research program will enhance knowledge and will apply it in their professional career. They can become trainers to other staff working with them.</li> <li>3. ADPC staff will use the knowledge from their project in their professional work in disaster risk mitigation in Asia. The Distance Education program can be</li> </ol>		

	<p>expanded into other areas such as community based disaster management so on.</p> <p>4. ITC and BU will multiply their knowledge in distance education and similar work experience is useful in work with universities in other regions</p> <p>5. The effective use of disaster mitigation tools can be taken as best practices by other cities and will be replicated in elsewhere</p> <p>6. Increased collaboration between European and Asian universities in post graduate research in application of IC&amp;T tools will enhance the collaborations between Europe and Asia in science</p>	<p>4. At least one joint research collaboration by ITC and BU</p> <p>5. At least 04 cities using the new methodologies through innovation by research</p> <p>6. At least 01 new collaborative arrangement</p>	<p>4. The research study carried out by Mr. Torsten of BU under his PhD thesis was supported by ITC.</p> <p>5. As a follow up activity to the project, ADPC has conducted risk assessment course with the support of ITC for 5 partner cities under the Program for Hydro-Meteorological Disaster Mitigation in Secondary Cities (PROMISE) namely; Dagupan in Philippines, Chittagong in Bangladesh, Kalutara in Sri Lanka, Hyderabad in Pakistan and Danang in Vietnam. They are in the process of using the techniques learned from the course in regular work.</p> <p>6. ADPC has undertaken conduct of the risk assessment course at the regional level in collaboration with ITC. The first course was held on March 2007 in Bangkok, Thailand.</p>
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	and technology.		
<b>Activities</b>	<ol style="list-style-type: none"> <li>1. Kick off workshop of project partners</li> <li>2. Needs assessment workshop of project partners and universities</li> <li>3. Implementation of a communication strategy for the project</li> <li>4. Short course on GIS and Remote Sensing for Natural Hazard and Risk Assessment at ITC- The Netherlands</li> <li>5. Development of guidelines for a Joint research program</li> <li>6. Conducting joint courses in selected in the selected universities</li> <li>7. Support for curriculum development in the selected universities</li> <li>8. Development of distance education course</li> <li>9. Mid-term workshop</li> <li>10. First offer of distance education course</li> <li>11. Adaptation of distance education course</li> <li>12. Marketing of distance course</li> <li>13. Final implementation of distance education course</li> <li>14. Final workshop</li> </ol>	Means: Personnel, travel, per diem, reports etc	Detailed expenditures occurred for conducting the aforementioned activities under CASITA II project were summarized, certified by auditors and submitted to the EU Office (see financial report of the project).