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Organización
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Организация
Объединенных Наций по
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منظمة الأمم المتحدة
للتربية والعلم والثقافة

联合国教育、
科学及文化组织

Sector for External Relations and Cooperation
Division of Cooperation with Extrabudgetary Funding Sources

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10 March 2010

Ref. : ERC/CFS/MLT/10/94

Subject: **LRF-6 – Capacity building of human resources for digital documentation of World Heritage Sites affected by 2006 war in Lebanon**

Bisrat
Dear Colleague,

I am pleased to enclose the 2009 Annual Project Narrative Progress Report for the above mentioned programme funded by the Lebanon Recovery Fund (LRF-6).

Yours faithfully,

Shantha

Shantha Retnasingam
Chief
Section for Multilateral and
Private Funding Sources

LEBANON RECOVERY FUND (LRF)

ANNUAL PROJECT NARRATIVE PROGRESS REPORT

Recipient UN Organization: UNESCO	Report Number: 3
Project Number: LRF-6 222LEB4000	Project Title: Capacity building of human resources for digital documentation of World Heritage Sites affected by 2006 war in Lebanon
Reporting Period: 1 January to 31 December 2009	Project Budget: 767 226 US \$
List Implementing Partners: <ul style="list-style-type: none">• UNESCO-Beirut• Directorate General of Antiquities, Ministry of Culture of Lebanon	Project Coverage/Scope: Baalbek World Heritage Site (Lebanon)
Abbreviations and acronyms: <ul style="list-style-type: none">• DGA Directorate General of Antiquities Lebanon• UL Lebanese University• ESGT Institute of Topography	Project Duration/Closed Project: <ul style="list-style-type: none">• 32 months

REPORT

I. Purpose

Main objectives and outputs of the project

UNESCO assessment mission for (July –August 2006) war damages on World Heritage Sites of Lebanon expressed concern regarding the routine maintenance of those sites and recommended to prioritize the establishment of an integrate action plan for tangible cultural heritage conservation all over the country. This Action Plan should be considered as an umbrella for few most important components such are:

- Establishment of risks' map for World Heritage Site;
- Establishment of digital exhaustive technical documentation for World Heritage Site;
- Capacity building of human resources able to address above components;
- Main objective of the proposed activity is to build capacities of Human Resources in charge, or potentially linked with, the conservation, the development and the enhancement of tangible cultural heritage in Lebanon.

Explain how the project relates to the LRF Terms of Reference

UNESCO believes that the expressed urgent need for capacity building of Lebanese human resources in the field of conservation and management of heritage sites is beneficial for the reconstruction of Lebanon. Broad objective of the digital documentation for heritage sites and its risk mapping could be launched by a limited operation on one selected World Heritage Sites of Lebanon and be considered as a pilot experience that in the future will be extended to other sites. Establishment of a training tool concerning the digital documentation of heritage site with most advanced and sophisticate techniques, a tool, which should be disseminated as an on-line course, and an on-site training of DGA staff and potential sites managers, students of UL, will contribute to the development of the country. Promotion of new information technologies for the main purpose of heritage management: conservation and daily maintenance will ensure the impact of heritage components in Lebanon, country with rich in heritage and strong tourism potential.

UNESCO supports the choice of the Ministry of Culture of Lebanon for Baalbek World Heritage Site as pilot site for the digital documentation and on-site training on risk mapping. Mainly, the reasons are, as follows:

1. First of all the temples of Baalbek are in an urgent need of daily maintenance and monitoring. Only detailed digital documentation that would be use as a reference for the state of conservation followed by an elaborated procedure of regular updating could facilitate the complicate and delicate conservation task;
2. Surveys already undertaken within other projects, as the World Bank project, could facilitate the establishment of documentation for reference and enable the implementation of the activity with a very tight but reasonable time-table;

3. Risk mapping one of the World Heritage Sites and the knowledge acquired by concerned DGA staff through risk mapping training will contribute to the long term management of WH site enabling to prioritize interventions and design conservation action plans for heritage sites all over the country.
4. The site provides wide scope of maintenance problems: structural stability (mostly Jupiter Temple), decay of materials (Bacchus Temple), development of cracks, vegetation etc. Therefore, digital documentation tool will be highly educational covering broad conservation issues.

Main implementing partners

UNESCO

- Overall coordination and supervision of the activity
- Administrative and financial management of the activity
- Regular reporting to the donor

Directorate General of Antiquities (DGA), Ministry of Culture of Lebanon

- Manager of the World Heritage Site of Baalbek pilot site chosen for the implementation of the activity;
- Main beneficiary of the training component of the activity as well of the acquisition of new 3D tools and equipments as well as the of the digital documentation, procedure of updating and virtual reconstruction;
- DGA selects monuments for operations;
- DGA dispatch its staff for the training;
- DGA provides all existing reference documentation for Baalbek, deliver authorisations and facilitates the execution of the activity;
- DGA elaborates the necessary procedures of the continuous data gathering process for the diachronic monitoring purposes.

The training

The main target group will be the

- DGA staff
- Lebanese University (UL) ESGT

The International Consultants will:

- Deliver training for Laser scanning and risk mapping. This training should be based on most recent documentation including digital one;
- Provide separate training for conservation action plan that should be based on the assessment of risk through mapping and on clear protocol prioritizing interventions and establishing its short, medium and long term strategies
- Technical reports and financial statement on the execution of operations will be regularly submitted to UNESCO

II. Resources

Financial Resources:

Grand Total requested from LRF 767,226 US \$

Human Resources:

National Staff:

- Eight persons from the DGA/UL/ESGT will follow a 3 weeks training session on laser scanning applied on the monuments of Baalbek WH. The local experts will assist the International Consultants on this training.
- The training session will be followed by a Survey (Laser Scanning) of 8 weeks provided by the Local Experts (3p) on the monuments of Baalbek according to the working plan established by the DGA.
- The second phase is a training session for 6 persons from the DGA on Risk Mapping. This session will last for 4 weeks
- The Risk Mapping work will be completed by the DGA staff in a field work survey of 10 weeks

International Staff:

- Three International Consultants will provide a training session on Laser Scanning for a duration of maximum 3 weeks
- The report of the Laser Scanning training session and survey will be provided by one International Consultant that will follow the entire work. The duration of this work is estimated to maximum 8 weeks.
- Three International Consultants will provide a training session on Risk Mapping for a duration of maximum 4 weeks
- Three International Consultants will follow up the field work on Risk Mapping delivered by the 6 DGA staff. Duration of the work maximum 2 weeks
- The report of the Risk Mapping training session and survey will be provided by one International Consultant that will follow the entire work. The duration of this work is estimated to maximum 8 weeks.

III. Implementation and Monitoring Arrangements

The project is implemented by the UNESCO Beirut Office in collaboration with the Directorate General of Antiquities and the Ministry of Culture of Lebanon, the beneficiary of the project.

The recruitment of the Technical Coordinator was advertised on UNESCO-Beirut website. The evaluation of the candidature is based on the terms of reference established by the UNESCO Beirut Office. The contract launched has duration of the project. The technical coordinator will submit a activity report to UNESCO Beirut Office on the advancement of the project.

IV. Results

The activities of the phase 1 of the programme are resumed as follow:

- January 2009 Preparation of the contract of the International Consultant (University of Leuven)that will undertake the training on laser scanning.
- February 2009 Negotiations of the ToR related to the contract with the University of Leuven. Finalization of the schedule of the activities of the laser scanning of the International Consultant the National Contractor and the trainees
- March 2009 ToR with Leuven University approved and finalized.
Establishment of the list of the participants to the training sessions
Re-advertisement for the prequalification of a local contractor, having experience in the documentation of cultural heritage. Three proposals where submitted to UNESCO-Beirut Office. The date of the evaluation committee was fixed to the 1st of April 2009 at the DGA office.
- 01 April 2009 Meeting of the evaluation committee at the DGA office for the pre-selection of the local contractor.
- 20-28 April 2009 Implementation phase on site in presence of the International Consultant and the DGA staff
- 10-23 May 2009 Training for DGA staff by the international consultants
Fee contract with the Local Contractor finalized and signed
- June 2009 Identification of technical problems with the laser scan
Postponement of the delivery of the final report for 30 September 2009 instead of end July 2009 due to technical problems with laser scan
- 11 June 2009 Leica delivered the replacement scanner
- 22 June 2009 Scanning work was finally resumed. Beginning of the documentation work in Baalbek.
Amendment of the contract of the International Consultant and the Local Contractor for September instead of July.
Purchase of additional needed equipment as suggested by the international consultant
Interim report submitted by International consultant
- 30 June 2009 The laser data gathered during the first week was checked for consistency.
- 28-02 July 2009 Mid-term evaluation - Field mission carried out by Dr. Van Genechten
- 01-02 July 2009 Evaluation on site
Mid-Term report
The local scanning team consists of 3 DGA and 2 local contractor persons.
Scanning activities continues on site.
- 15 August 2009 End of Scanning activities on site 80% of site scanned.
- 26-30 August 2009 Final evaluation
Project postponed for one month to scan the remaining parts.
Preparation of the phase 2 Risk Mapping
- September 2009 Establishment of the TOR of the International Consultant of the phase 2
- 07-17 September 2009 Laser scanning activities continues after interruption
- 21-26 September 2009 Registration. Meeting and presentation of the results to the DGA/UNESCO

- 30 September 2009 Submission of report the final is to be submitted in November
- 26-30 October 2009 Final review of the project of laser scanning with the international consultant
Collecting the data of the laser scanning executed by the local contractor.
- November 2009 Submission of the Final Report by the international consultant
Preparation of the Contract for the signature of the risk mapping (phase 2)
- November 2009 Submission of addenda for extension of the program until 2010
Extension of project – programme duration 31/12/2010
Contract negotiation with the International Consultant for the risk mapping (phase2)

Partners involved in the action are:

UNESCO as the overall coordination and supervision of the activity

Directorate General of Antiquities (DGA), Ministry of Culture of Lebanon as the beneficiary

International Consultants as the performer of the training and the supervisor of the documentation work in coordination with the DGA

National Experts as the realization of all the documentation work on the monuments of Baalbek WH site in coordination with the International Consultant and the DGA

DGA staff will follow the training session. DGA staff will be in charge of the management and the follow up of this heritage.

V. Future Work Plan 1 January-30 December 2010

The main activities for this period are: The launching of the second component of the project: *the Risk Mapping and training session*

January-April 2010

- Signature of the contract with the International Consultant
- Preparation of the ToR for DGA experts preparing the Site Atlas
- March - Risk Preparedness Strategy

International Consultants:

- March 01- 05 Assessment of existing information relevant for risk preparedness
- March 29 to April 4, 2010 Heritage recording expert
- March 21 – April 15, 2010 Preparation of site atlas
- April 19 – April 23, 2010 Risk Preparedness Strategy Lebanon
- April 26 – May 21, 2010 Risk Preparedness Strategy (Preparation of approach) (Belgium)

Training

- Identification of the trainees from the DGA.

April-July 2010

Training

- Training of the DGA experts in the preparation of a Site Atlas

International Consultants:

- May 24 – 28, May 31 – June 4, June 7-12, 2010 Risk Preparedness training: preventive maintenance (Beirut, Lebanon)
- June 28 – July 3, 2010 Final report

August- November 2010

- Publication of results

Schedule of the activities of the project

Activity	Type	Schedule	Timing and consultant
Activity 1	Assessment of existing information relevant for risk preparedness (Beirut and Baalbek, Lebanon)	March 1 to 5, 2010 March 29 to April 4, 2010	1. Condition assessment expert (Dr. Teresa Patricio) 2. Structural integrity expert (Dr. Pierre Smars) 3. 3D Heritage Recording expert (Dr. Bjorn Van Genechten)
Activity 2	Preparation of Site Atlas	March 21 – April 15, 2010	1. DGA staff 2. Junior Expert
Activity 3	Risk Preparedness Strategy (Mission to Lebanon) Risk Preparedness Strategy (Preparation of approach) (Belgium)	April 19 – April 23, 2010 April 26 – May 21, 2010	1. Project Coordinator (TBA) 2. Structural integrity expert (Dr. Pierre Smars) 3. Condition assessment expert (Dr. Teresa Patricio) 1. Structural integrity expert (To be appointed) 2. Condition assessment expert (Dr. Teresa Patricio)
Activity 4	Risk Preparedness training: preventive maintenance (Beirut, Lebanon)	May 24 – 28, 2010 May 31 – June 4, 2010 June 7-12, 2010	1. Project Coordinator (Dr. M. Santana) 2. Preventive Maintenance Expert (Prof. Dr. Koen Van Balen) 3. Condition assessment expert (Dr. Teresa Patricio)
Activity 5	Final report	June 28 – July 3, 2010	1. Project Coordinator (Dr. M. Santana) 2. Preventive Maintenance Expert (Prof. Dr. Koen Van Balen) 3. Condition assessment expert (Dr. Teresa Patricio)