

2007/2017

EARTHEN ARCHITECTURE

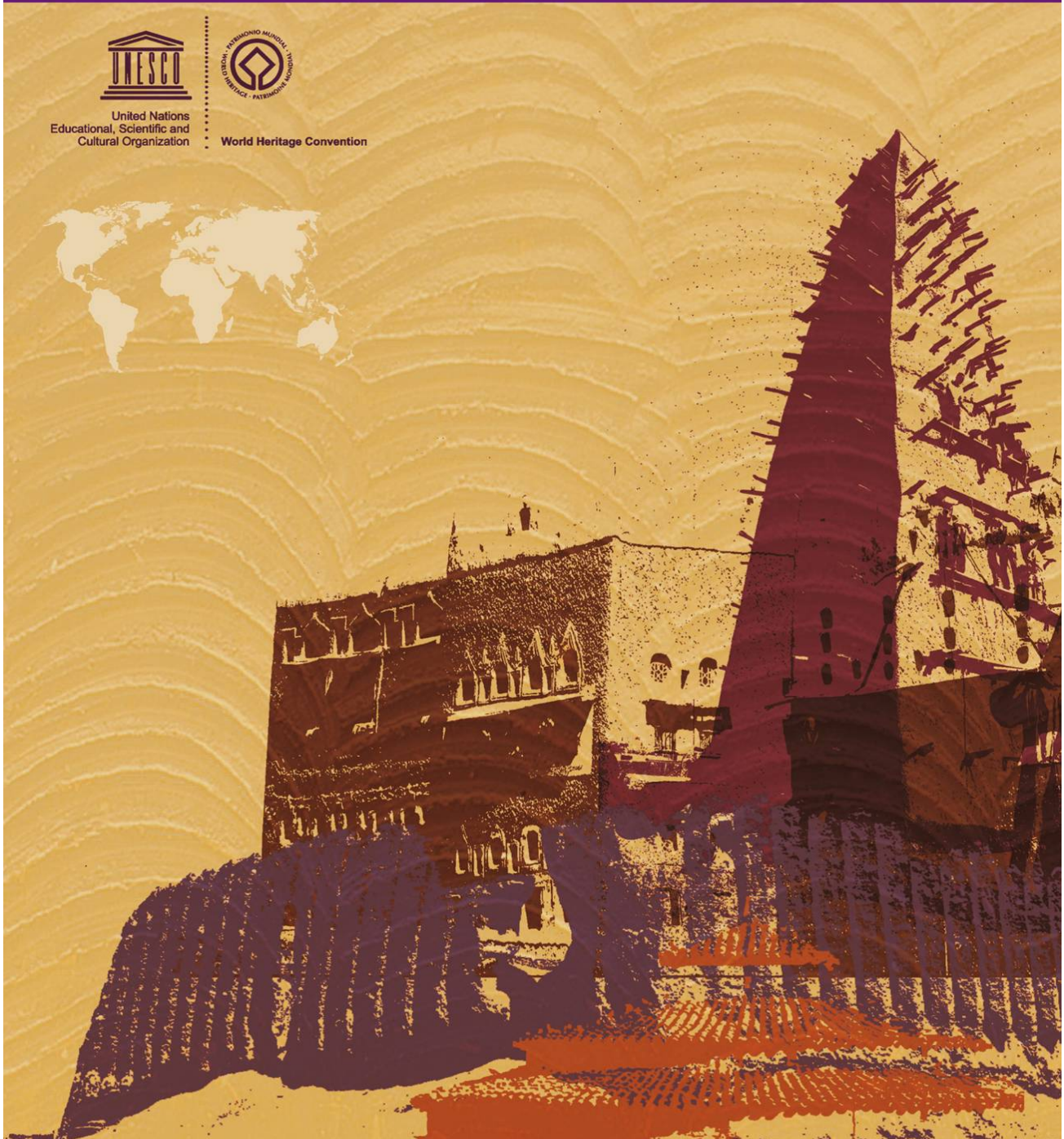
WORLD HERITAGE PROGRAMME



United Nations
Educational, Scientific and
Cultural Organization



World Heritage Convention



World Heritage Earthen Architecture Programme

Project Document

2009-2017

World Heritage Earthen Architecture Programme

Project Document

2009-2017



1. BASIC INFORMATION



The Askia Tomb, Mali

1. BASIC INFORMATION

1.1 Project Title: World Heritage Programme on Earthen Architecture

1.2 Beneficiary Country/Countries: Global programme

1.3 Time Frame: 2009 - 2017

1.4 Funding sources :

Contributions already obtained

- o World Heritage Fund
- o Government of France (through its Convention France UNESCO)
- o Government of Italy

To be confirmed

- o Kingdom of Bahrain
- o Gvt of Norway

1.5 Total estimated budget:

Operational costs :	12 707 878	US\$
Support costs (13%) :	1 652 024	US\$
Provision for currency fluctuations (5%) :	717 995	US\$
Total :	15 077 898	US\$

	Operational costs	Support costs (13%)	Provision for currency fluctuations (5%)	Total
2009-2011	3 664 103 US\$	476 333 US\$	207 022 US\$	4 347 458 US\$
2012-2014	4 130 923 US\$	537 020 US\$	233 397 US\$	4 901 340 US\$
2015-2017	4 912 853 US\$	638 671 US\$	277 576 US\$	5 829 100 US\$
Total	12 707 878 US\$	1 652 024 US\$	717 995 US\$	15 077 898 US\$

1.6 International Executing Agency: UNESCO

1.7 Responsible Sector/Division/Field Office: Culture Sector/ World Heritage Centre

1.8 Name of the project officer in charge :
Lazare Eloundou Assomo, Programme Specialist, World Heritage Centre

1.9 Partners: .
CRAterre-ENSAG with ICCROM, ICOMOS, EPA, CHDA, CERKAS; National institutions in charge of Heritage; Institutions at World heritage sites level; Links with other programmes are established (Africa 2009 and its follow-up programme, ATHAR, World Heritage risk preparedness and climate change programmes).

1.10 Executive Summary:

Earthen architecture is one of the most powerful expressions of the human ability to create a built environment with the locally available resources. Earthen architecture is characterized by a very rich and varied architectural and urban production.

However, earthen architecture is seriously threatened by natural disasters (such as floods, earthquakes) and by the influence of industrialisation, new technology, disappearance of traditional conservation practices, etc. At the other hand, these last years, the specificities of Earthen architecture have been studied and its advantages and qualities recognised. There is today a strong interest for its continuous use from many professionals and decisions makers.

The evidence of the importance of earthen architecture in cultures throughout the world has led to its consideration as a common heritage of humankind and therefore deserving protection and conservation by the international community. In 2007, there were 106 properties of the WH list which are built with earth.

In 2001, the World Heritage Committee approved the development of an Earthen Architecture Conservation Programme to develop policies for the conservation, revitalisation and valorisation of earthen architectural properties and to build capacity of the regional, national and site management authorities and technical experts.

In July 2007, during its 31st session, after examination of the document WHC-07/31.COM/21C, the World heritage committee, welcomed the proposal to implement an integrated programme of activities in support of earthen architectural heritage and decided to allocate USD 80,000 from the World Heritage Fund as seed money for the implementation of Phase 1 of the Programme (full decision in annex 2)

On that basis, also taking into consideration a first series of activities, and the Africa 2009 programme as an example, a preparatory phase (Phase 1, 2007-2008) was launched by the World heritage Centre, leading to the elaboration of a formal programme designed with the involvement of all major stakeholders. This formal programme was officially launched during the Terra 2008 international conference in Bamako, Mali, in February 2008, and further developed in detail through the preparation of the present project document.

The actual implementation of the programme is planned in three main phases, each of them focusing on two regions or sub regions. Phase 2 (2009-2011) will focus on Africa and the Arab states, Phase 3 (2012-2014) will focus on Latin-America and Central Asia, and Phase 4 (2015-2017) will focus on Europe and Asia.

The aim of the programme is to develop appropriate methods and techniques for improving the conservation and the management of the different typologies of earthen architecture. A series of pilot projects will serve as a base for developing training and other activities aiming at a worldwide dissemination of the best practices identified. The solutions will be developed in view of the conservation of the values of the concerned heritage, but also to an upgrading of people's living conditions and therefore to contribute to poverty alleviation and socio-economic development.

2. CONTEXT AND BACKGROUND



Ghadames, Libya

2. CONTEXT AND BACKGROUND

Since ancient times, people all over the world have used earth as their main building material. Earthen architecture has in a way become a symbolic expression of the human capacity to build, making the best use of the resources available in the nearby environment, through a variety of very interesting local know-how and specific social organisations. Earthen architectural heritage includes a great diversity, ranging from archaeological sites to living monuments and from groups of buildings to historic towns and cultural landscapes. Earthen architecture is often and will probably remain the only solution for a great part of the world population for getting a satisfying shelter at an affordable price. Today, about one third of the world population lives in houses made totally or partially with earth.

In 2007, 106 out of the 660 cultural properties inscribed on the World Heritage List incorporated earthen structures. However, some of these sites are threatened both by natural disasters and by changes to the environment (e.g. degradation of the environment, inappropriate use of modern technology, disappearance of traditional conservation practices). Furthermore, about a quarter of the cultural properties inscribed on the List of World Heritage in Danger are earthen architectural sites. That tends to contribute to set a situation in which there is a negative impact on how earthen architecture is perceived, which in turn makes it difficult for people around the world to make the best use of its advantages and potential for social, economic and cultural development.

At the other hand, there is today an increasing renewal of interest for earthen architecture, not only by conservators, but also by architects, builders and developers who know the limits of modern technologies and have rediscovered the incredible qualities of this building material. In addition to the ecological, thermal, and economical advantages, earth has an extreme capacity to give to the builders the opportunity to express their identity. This is demonstrated by the extraordinary diversity of architectural typologies worldwide and moreover by the malleability of earth often making easy a fusion between architecture and art (sacred or profane).

Considering that earth will probably remain in the coming years one of the most important resources available to build quality houses, it becomes urgent for the international community to focus on the safeguarding of the most outstanding earthen heritage around the world and to inform on its significant role for social improvement as well as its great potential for contributing to poverty alleviation.

The World Heritage Committee, by approving in 2001 the development of an earthen architecture conservation programme, has taken an important step towards the sustainable conservation and revitalisation of earthen architectural properties and towards a strategy for building regional and national capacities for site managers and technical experts. This decision has led to the implementation of specific projects in many parts of the world, including preparation of the conservation plans for Timbuktu and the Cliff of Bandiagara (Mali), the safeguarding of the Royal Palaces of Abomey (Benin) and Zabid (Yemen), conservation activities at the archaeological site of Chan Chan (Peru), and training and restoration projects in Central Asia.

Thanks to the successful outcome of these specific projects, the World Heritage Committee approved, in 2007, the World Heritage 10 years programme (2007-2017). The main purpose of this programme is to develop an integrated global approach to

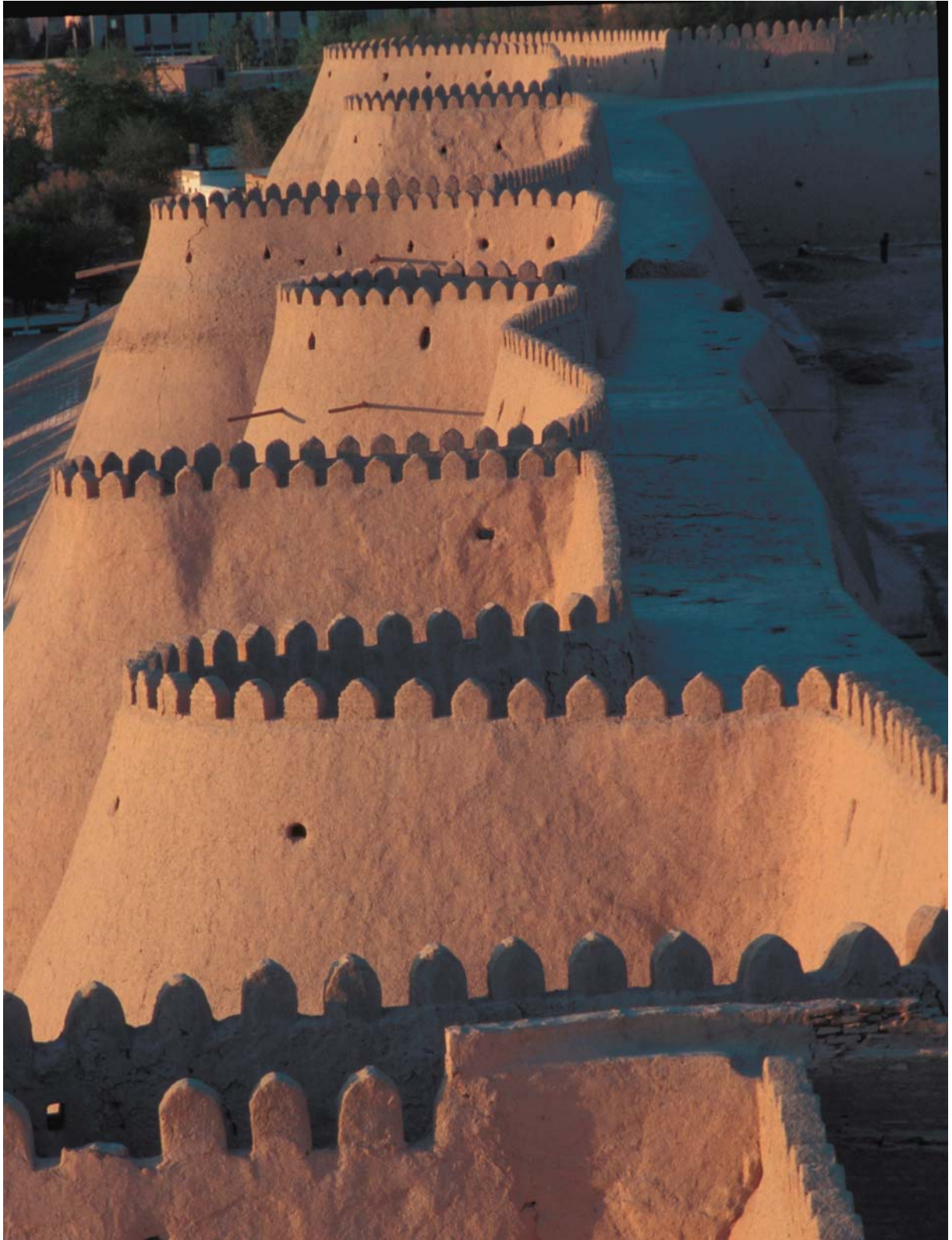
identify and formulate appropriate methods, techniques and policies of conservation and management for a sustainable development of earthen architectural heritage protected under the World Heritage Convention.

This is to be achieved through development and dissemination of best practices of both conservation methods and techniques and technical adaptations using new available means, and through capacity building at State Party level. Implementation of these activities should be supported by agencies specialised on earthen architecture and involve research projects, pilot activities in the field, publications on the results, awareness raising and promotional activities.

A comprehensive collection and evaluation of the results and knowledge obtained during the in situ projects will help to considerably reinforce capacities on all levels implied ranging from communities, to national and international level and will enhance technical and cultural research as well as policy making guidelines. After its presentation, the programme was supported at the second Board of Trustees meeting of the African World Heritage Fund in March 2007 in Paris, and in particular its implementation in Africa for its first phase.

The outlines of the proposed project document for the programme was discussed at an expert meeting organised at UNESCO headquarters on 22 November 2007, and was fine tuned according to the recommendations made at this occasion. That has made possible the official launch of the 2007-2017 Earthen Architecture World Heritage Programme during the Terra 2008 international conference in Bamako, Mali, in February 2008, occasion which has also been used to get some additional feedback from potential partners which was used to prepare the present project document.

3 – PROJECT DESCRIPTION



Khiva city wall, Uzbekistan

3 – PROJECT DESCRIPTION

3.1. Objectives

Development objective:

The project development objective is to improve the management and conservation of earthen architectural properties protected under the World Heritage Convention as an important tool for sustainable development.

Specific objectives:

The project will pursue the following specific objectives:

- Develop appropriate methods and techniques for improving the sustainability of the conservation and management of the different types of earthen architectural heritage inscribed on the World Heritage List and/or included in States Parties' Tentative Lists;
- Ensure that best practices are broadly disseminated for practical application at properties protected under the World Heritage Convention, with ensuring benefits at the community level for the upgrading of the living conditions and contribution to poverty alleviation.

3.2. Programme orientations

The programme, designed for a period of 10 years, will have its activities implemented based on the following orientations:

- Contribution to sustainable development (social, economic, cultural) and poverty alleviation through enhanced use of earth building materials and valorisation of know-how holders, but also with reinforced and enhanced tourism potential;
- Development of a number of in-depth pilot projects at selected World Heritage and tentative list sites with all necessary long term follow-up and evaluation in all concerned regions of the world;
- Use of opportunities of cooperation agreements with State Parties developing conservation and research activities in the field of earthen architecture preservation;
- Consideration of the diversity of earthen architecture heritage in the programme implementation;
- Reinforcement of the local capacities within the communities with specific focus on valorisation of women and youths;
- Reinforcement of the capacities of the world' regional institutions to address the conservation problems facing earthen architecture heritage;
- Consideration of the fundamental role of scientific research and of the capacity of the UNESCO Chair;
- Establishment of links with regional initiatives such as Africa 2009, CentralAsianEarth and the ATHAR programme, and existing formal networks like PROTerra in Latin America;
- Establishment of links with initiatives developed in the framework of the UNESCO conventions on cultural diversity and intangible heritage.

3.3. Expected outputs

The programme will result in the following ten outputs by its conclusion in 2017:

- Identification and understanding of problems earthen architecture heritage is exposed to in the larger context of sustainable development;

- Definition of appropriate methods and techniques of interventions concerning earthen architecture;
- Development of guidelines and policies for the conservation, use or revitalisation and valorisation of earthen architecture heritage protected under the Convention;
- Preparation of land use plans, building regulations and technical specifications for the restoration of historic towns as well as for the inclusion of modern infrastructures;
- Preparation, and large diffusion of publications to promote earthen architecture and make widely available the results of the programme;
- Efficient protection and enhancement of at least 12 earthen architecture sites protected under the World Heritage Convention;
- Elaboration of management and conservation plans for at least 12 earthen architecture World Heritage Sites;
- Organisation of capacity building activities in earthen architecture conservation and management by regional training institutions (at least 6), including development of specific curricula for them;
- Involvement of trained national professionals and other skilled persons in the conservation and management of earthen architecture in all countries with earthen architecture sites;
- Setting-up of an active global network for exchange of information and experience.

3.4. Programme activities

The programme activities will be organized in four sectors:

3.4.1. In-situ pilot projects

With the specific objective of developing “best practices” examples, the following activities will be implemented:

- Elaboration of conservation and management plans;
- Elaboration of land use plans and building regulations;
- Conservation projects for monuments, historic towns and archaeological sites;
- Conservation projects for sustainable tourism development;
- On-site training for sites managers, technicians, craftsmen, tourism guides;
- Elaboration of technical guides for restoration and rehabilitation;
- In-situ experimentation;
- Close follow-up of implementation with regular technical inputs.

3.4.2. Research

Scientific research at laboratory level and applied research at site level will be essential in assessing and elaborating the knowledge on the behaviour and conservation of earthen architecture heritage.

The following activities are to be implemented:

- Study analysis and synthesis of the factors affecting earthen architecture properties;
- Laboratory research on raw materials, stabilisation, quality control, damp migration, salts;
- Applied research and documentation;
- Experimentation using prototypes samples or other methods;
- Thematic / Technical seminars with site managers and earthen architecture conservation specialists;
- Research activities in relation with the in-situ pilot projects.

3.4.3. Training

The programme will increase opportunities for specialized training on earthen architecture conservation throughout the world addressed to artisans and to heritage professionals.

The following activities are expected to be organized:

- Organisation of specialised courses;
- Thematic seminars;
- Assistance to Regional institutions in developing training on earthen architecture at different levels (vocational, basic, university, post graduate);
- Preparation of basic teaching material for dispatching to the UNESCO earthen architecture Chair network, including institutional embedment, specific training, insertion in curricula.

3.4.4. Promotion / advocacy

Promotion and advocacy activities will be organized with the idea of ensuring the recognition of earthen architecture, both at the international and national levels, but with a serious consideration given to local communities who, influenced by globalisation, often tend to lose confidence in their local architecture, know-how, skills and practices.

The following activities will be implemented:

- Publication of a series of technical books on earthen architecture in general and on World Heritage Earthen Architecture in particular (management plans, preventive conservation, etc.);
- Publish promotional and awareness exhibitions and booklets;
- Support of educational and public awareness initiatives;
- Organisation of international meetings/conferences for Earthen architecture site managers;
- Support given to the organisation of regional and global conferences on earthen architecture.

3.5. Programme structure

The programme is structured in 4 phases:

Phase 1 (2007-2008): Preparation (under completion)

- Organisation of a partners consultation meeting for the determination of the programme strategy for Africa, Arab States, Latin America, Asia and Europe;
- Organisation of a logical framework seminar for the preparation of a detailed project document with a realistic work plan aiming at prioritizing introducing coherence into the development of the various components of the Earthen architecture programme;
- Preparation of a fundraising and marketing document on the programme;
- Analysis of the World Heritage List: inventory of sites with earthen materials assets, identification of typologies, state of conservation and threats, indicators for measuring speed of decay;
- Support for the participation to the Terra Conference (organized by Getty Conservation Institute in collaboration with World Heritage Centre, ICOMOS, ICCROM, AFRICA 2009) to promote the earthen architecture conservation;

Phase 2 (2009-2011): Pilot Phase with focus on Africa and Arab States

- Undertake regional studies on the conservation conditions for a selection of WH properties (Africa, Arab States);
- Organisation of a conference gathering together World heritage site managers;

- Organisation of 1 technical/thematic seminar to study issues related to the conservation of a specific type of earthen architecture (topic foreseen: conservation of historic cities);
- Organisation of 2 training workshops for site managers and decision-makers from Africa and Arab States, on earthen architecture preservation;
- In situ conservation projects in Africa and Arab States addressing specific typologies and focusing on rehabilitation and management;
- Preparation of nomination dossiers for inscription on the World Heritage List;
- Laboratory research for restoration techniques;
- Promotion and advocacy (books and technical guides).

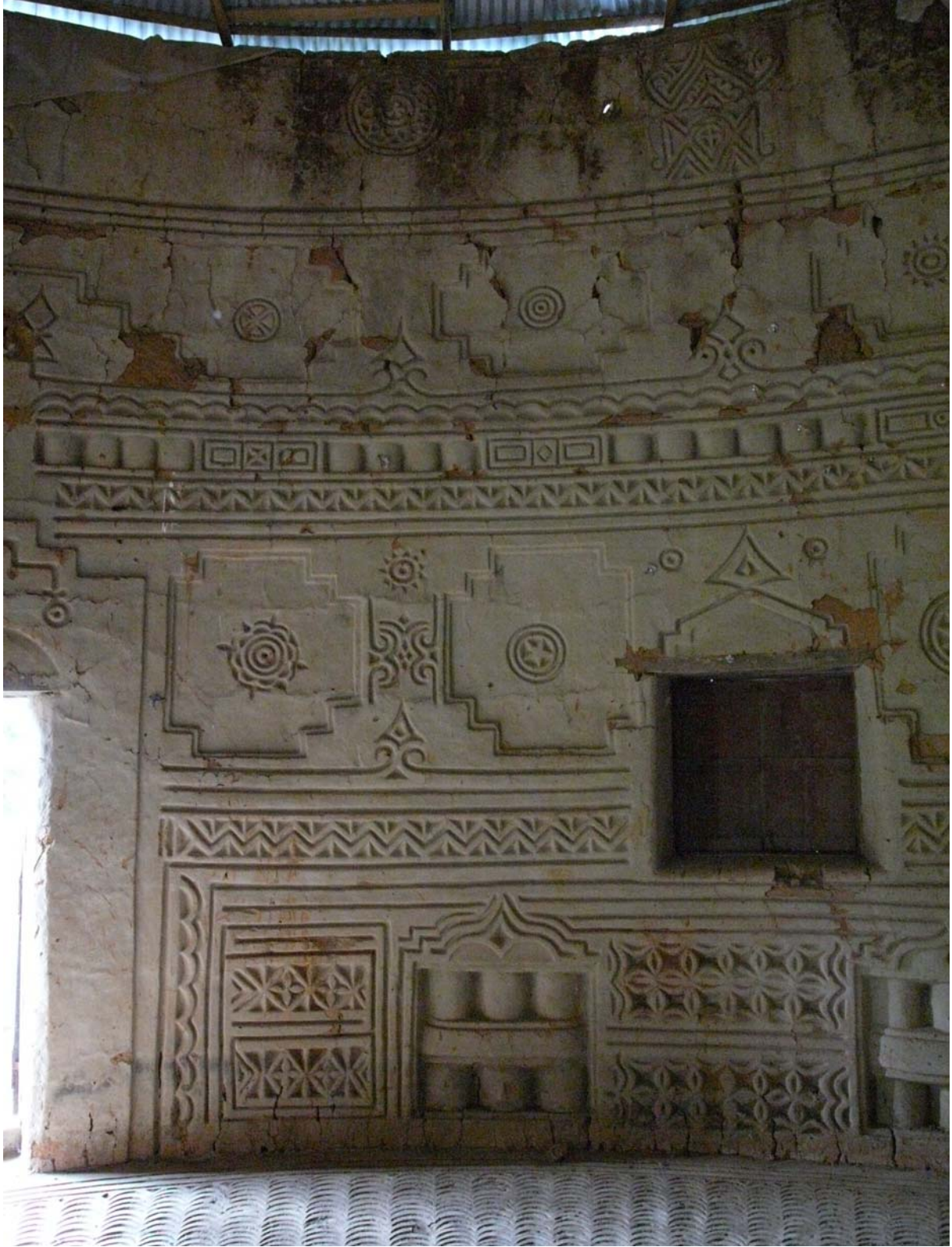
Phase 3 (2012-2014): Consolidation phase, with focus on Latin America and Central Asia

- Undertake regional studies on the conservation conditions for a selection of WH properties (Latin America, Central Asia);
- Organisation of 3 technical/thematic seminars to study issues related to the conservation of a specific type of earthen architecture (topic to be decided during phase 2, at the occasion of the site managers conference);
- Organisation of 2 training workshops for site managers and decision-makers on earthen architecture preservation (Latin America, Central Asia);
- In-situ conservation projects addressing a specific typology and focusing on applied research and experimentation on restoration;
- Studies for setting-up of monitoring mechanisms;
- Preparation of curricula for training and educational activities in earthen architecture;
- Elaboration of best practices guides for earthen architecture conservation and sustainable management;
- Publication of series of technical books.

Phase 4 (2015-2017): Final phase with focus on Europe and Asia

- Undertake regional studies on the conservation conditions for a selection of WH properties (Europe, Asia);
- Organisation of a conference gathering together World heritage site managers;
- Organisation of 2 technical/thematic seminars for sites managers and decision-makers on the results achieved;
- Organisation of 2 training workshops for site managers and decision-makers on earthen architecture preservation (Europe, Asia);
- In-situ conservation projects addressing a specific typology and focusing on applied research and experimentation on restoration;
- Transfer of earthen architecture conservation curricula to Universities and Regional training institution;
- Synthesis of the results achieved, evaluation, conclusions, and recommendations;
- Finalisation of the set of publications.

4 – LOGICAL FRAMEWORK



The "Case à Palabre", Dalaba, Guinea

4 – LOGICAL FRAMEWORK

	Intervention logic	Objectively verifiable indicators of achievement/benchmark	Sources and means of verification	Assumptions and risks
Development Objective(s)	<i>To improve the management and conservation of earthen architectural properties protected under the World Heritage Convention as an important tool for sustainable development.</i>	Conservation and management activities are implemented. Contribution to the improvement of the living conditions of the local communities (revenues at sites, job creation, affordable technical improvements, better access to commodities...);	Evaluation report of the project impact at the end of its implementation by the officers of the pilot projects. Independent evaluation including site visits.	Support from WH Committee. Sufficient interest from donors of both heritage and development fields so that the needs can be covered. Capacity to manage the programme. Risks : Insufficient funding. Lack of interest at national level.
Specific objective 1	<i>To develop appropriate methods and techniques for improving the sustainability of the conservation and the management of the different types of earthen architectural heritage inscribed on the World Heritage List and/or included in States Parties' Tentative Lists.</i>	Number of studies at sites and evaluations of past interventions undertaken. Number of conservation projects at a variety of World Heritage sites (geographical and typological variety). Number of management plans produced On-the-job training of experts, artisans, and communities' workers (including women) provided. Innovative methods of conservation or building techniques are used by the beneficiaries (professionals, communities).	Individual activity reports. Annual progress reports. Monitoring missions reports. Independent evaluation reports.	Will of Heritage institutions in charge of the WH properties to participate in the programme. Participation of communities in the activities (at least some representatives). Proper assessment of the development needs prior to the conservation activities. Risks : Political instability. Movements of staff posted at the sites. Insufficient funding made available.
Specific objective 2	<i>To ensure that best practices are broadly disseminated for practical application at properties protected under the World Heritage Convention, with ensuring benefits at the community level for the upgrading of the living conditions and contribution to poverty alleviation.</i>	Publication of the results of the in situ conservation activities and of synthesis works. Number of professionals trained. Adoption of the proposed "best practices" at the institutional and community levels. Adoption of policies developed for sites by national and local authorities. Exchange between professionals.	Technical brochures and pamphlets produced and distributed. Reports. Post project surveys. Independent evaluation including site visits.	There are possibilities for improving traditional building techniques to adapt to contemporary needs with in the meantime allowing keeping the heritage values of the properties and their related cultural environment. Communities and their craftsmen are interested by innovative solutions. National institutions are willing to contribute to socio-economic development. Risks : Insufficient assessment of the development needs and expectations. Lack of means for experimentation and gradual development of technical solutions. Insufficient funding made available.

Expected results under objective 1	Results	Indicators	Sources and means of verification	Assumptions
1.1	Identification and understanding of problems earthen architecture heritage is exposed to in the larger context of sustainable development.	Studies conducted at a minimum of 12 sites.	Reports on conservation problems submitted to the authorities and/or donors.	Sufficient time allocated for making possible to understand the situations. Multidisciplinary approach. Involvement of stakeholders and local communities.
1.2	Appropriate methods and techniques of interventions concerning earthen architecture.	Evaluations of past interventions undertaken. Experimentation carried out and monitored on at least 12 sites. Innovative pilot projects implemented. Monitoring.	Evaluation reports. Technical project reports. Monitoring reports.	Provision of research expertise. Room and means are provided for experimentation. Interest of institutions and site managers in experimenting new methods and techniques.
1.3	Technical specifications for the restoration of historic towns as well as for the inclusion of modern infrastructures.	Technical specifications (TS) produced. TS made available to the local community.	Documents produced. Documents published. Documents distributed.	A minimum of 8 national institutions offer an historic town to be considered within the framework of the project.
1.4	Efficient protection and enhancement of at least 12 earthen architecture sites protected under the World Heritage Convention.	Number of sites protected. Number of sites enhanced.	Technical reports on activities at the site. Monitoring and/or evaluation visits.	There is an interest for the protection and enhancement of earthen architecture heritage sites at national, local and site levels. Participatory approach (protection).
1.5	Elaboration of management and conservation plans for at least 12 earthen architecture sites (World Heritage or on Tentative lists).	Number of management plans produced or revised.	Documents. Reports.	There is an interest for the elaboration of management plans at national and site levels. Understanding of participatory approach. Availability of minimum capacities at national and local levels

Expected results under objective 2	Results	Indicators	Sources and means of verification	Assumptions
2.1	A range of publications are widely disseminated. They will include <ul style="list-style-type: none"> - a study of the World Earthen Architectural Heritage ; - an awareness book and promotional material ; - one technical book for each category of EA heritage (at least 3). 	Publications produced. Number of copies produced. Availability / distribution.	Yearly reports.	Sufficient information has been gathered (evaluations, projects). Recognised experts contribute. Technical seminars are organised.
2.2	Guidelines and policies for the conservation, use or revitalisation, and valorisation of earthen architecture heritage protected under the Convention.	Guidelines produced. Adoption of policies at national level.	Documents produced. Reports of meetings and seminars.	Participation of Ministries and municipalities. Acceptance of participatory approach. Experience shared during thematic seminars towards developing global approaches and methodologies.
2.3	Organisation of capacity building activities in earthen architecture conservation and management by regional training institutions (6, one for each region).	Number and duration of capacity building activities organised. Number of participants.	Programme reports.	Decision makers and professionals are interested in participating in training activities. Regional institutions will to organise such training.
2.4	Involvement of trained national professionals and other skilled persons in the conservation and management of earthen architecture in all countries with EA sites.	Number of professional trained being active at one or more earthen architecture world heritage site.	Follow up of trainees professional activities. Evaluation questionnaire.	Trainees are already working at Earthen architecture World heritage sites. Trained professionals are posted at such sites.
2.5	Setting-up of an active global network for exchange of information and experience.	Exchanges between professionals.	Evaluation questionnaire.	Professionals have the will to keep in contact with other members of the network. Professionals who have participated in the activities have access to communication tools.

Activities Phase 2 / 2009-2011 (special focus on Africa and Arab states)

Activities under Phase 2 / Objective 1		Means	Cost	Cost per year	
	Activity 2.1.1. Studies conducted at 4 sites	- Gathering ex. doc. (international level)	- 2 700 US\$ x 4 =	10 800 US\$	2009 : 37 800 US\$
		- Gathering ex. doc. (national level)	- 1 350 US\$ x 4 =	5 400 US\$	2010 : 37 800 US\$
		- Expert missions (3 weeks)	- 10 800 US\$ x 4 =	43 200 US\$	2011 : - US\$
		- Reports	- 2 025 US\$ x 4 =	8 100 US\$	
		- Local expenses	- 2 025 US\$ x 4 =	8 100 US\$	
			Total :	75 600 US\$	
	Activity 2.1.2. In-depth evaluation of past interventions undertaken at 2 sites	- Double expert missions (2 weeks)	- 16 200 US\$ x 2 =	32 400 US\$	2009 : 39 150 US\$
		- Single expert missions (2 weeks)	- 8 100 US\$ x 2 =	16 200 US\$	2010 : 39 150 US\$
- Workshops with national / local experts		- 3 375 US\$ x 4 =	13 500 US\$	2011 : - US\$	
- Reports		- 4 050 US\$ x 2 =	8 100 US\$		
- Local expenses		- 2 025 US\$ x 4 =	8 100 US\$		
		Total :	78 300 US\$		
Activity 2.1.3. Pilot projects at 4 sites	- National inputs	- 40 500 US\$ x 4	<i>pro memoria</i>	2009 : 208 800 US\$	
	- International expert missions	- 10 800 US\$ x 12 =	129 600 US\$	2010 : 208 800 US\$	
	- National expert missions	- 5 400 US\$ x 12 =	64 800 US\$	2011 : 208 800 US\$	
	- Materials for the works	- 40 500 US\$ x 4 =	162 000 US\$		
	- Manpower	- 40 500 US\$ x 4 =	162 000 US\$		
	- Equipment	- 27 000 US\$ x 4 =	108 000 US\$		
		Total :	626 400 US\$		
Activity 2.1.4. Technical specifications for the conservation of 2 historic towns	- Double expert missions (2 weeks)	- 16 200 US\$ x 2 =	32 400 US\$	2009 : - US\$	
	- Single expert missions (2 weeks)	- 8 100 US\$ x 2 =	16 200 US\$	2010 : 40 500 US\$	
	- Stakeholders meetings	- 3 375 US\$ x 6 =	20 250 US\$	2011 : 40 500 US\$	
	- Reports	- 4 050 US\$ x 2 =	8 100 US\$		
	- Local expenses	- 2 025 US\$ x 2 =	4 050 US\$		
		Total :	81 000 US\$		
Activity 2.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	- Double expert missions (2 weeks)	- 16 200 US\$ x 2 =	32 400 US\$	2009 : 24 300 US\$	
	- Single expert missions (2 weeks)	- 8 100 US\$ x 2 =	16 200 US\$	2010 : 37 125 US\$	
	- Workshops with national / local experts	- 3 375 US\$ x 4 =	13 500 US\$	2011 : 12 825 US\$	
	- Reports	- 4 050 US\$ x 2 =	8 100 US\$		
	- Local expenses	- 2 025 US\$ x 2 =	4 050 US\$		
		Total :	74 250 US\$		
Activity 2.1.6. Management plans produced for 4 sites	- Double expert missions (2 weeks)	- 16 200 US\$ x 4 =	64 800 US\$	2009 : 54 000 US\$	
	- Single expert missions (2 weeks)	- 8 100 US\$ x 4 =	32 400 US\$	2010 : 81 000 US\$	
	- National experts inputs	- 2 700 US\$ x 12 =	32 400 US\$	2011 : 81 000 US\$	
	- Stakeholders meetings	- 1 350 US\$ x 12 =	16 200 US\$		
	- Finalisation of documents	- 10 125 US\$ x 4 =	40 500 US\$		
	- Printing and distribution	- 4 050 US\$ x 4 =	16 200 US\$		
	- Local expenses	- 3 375 US\$ x 4 =	13 500 US\$		
			Total :	216 000 US\$	
Activity 2.1.7. Coordination of field activities	- Half-time coordinator at CRAterre	- 40 500 US\$ x 3 =	121 500 US\$	2009 : 54 000 US\$	
	- Communication	- 6 750 US\$ x 3 =	20 250 US\$	2010 : 54 000 US\$	
	- Office costs	- 6 750 US\$ x 3 =	20 250 US\$	2011 : 54 000 US\$	
		Total :	162 000 US\$		

Activities under Phase 2 / Objective 2		Means	Cost		Cost per year	
	Activity 2.2.1. Publication of the study of the World Earthen Architectural Heritage	- Preparation of draft	- 5 400 US\$ x 1 =	5 400 US\$	2009 :	38 475 US\$
		- Review by selected experts	- 2 025 US\$ x 4 =	8 100 US\$	2010 :	- US\$
		- Finalisation / lay-out	- 6 075 US\$ x 1 =	6 075 US\$	2011 :	- US\$
		- Printing (French/English)	- 8 100 US\$ x 2 =	16 200 US\$		
		- Distribution	- 2 700 US\$ x 1 =	2 700 US\$		
		Total :	38 475 US\$			
	Activity 2.2.2. Preparation of awareness and promotional material	- Awareness book (French/English)	- 40 500 US\$ x 2 =	81 000 US\$	2009 :	70 875 US\$
		- Posters	- 2 025 US\$ x 3 =	6 075 US\$	2010 :	60 750 US\$
		- Brochure (French/English/Arabic)	- 6 750 US\$ x 3 =	20 250 US\$	2011 :	33 750 US\$
- Exhibition		- 20 250 US\$ x 1 =	20 250 US\$			
- Leaflet (French/English/Arabic)		- 1 350 US\$ x 3 =	4 050 US\$			
- Scientific Magazine (French/English)	- 33 750 US\$ x 1 =	33 750 US\$				
	Total :	165 375 US\$				
Activity 2.2.3. International conference on earthen architecture conservation	- Preparation workshops (2)	- 20 250 US\$ x 2 =	40 500 US\$	2009 :	20 250 US\$	
	- Conference	- 135 000 US\$ x 1 =	135 000 US\$	2010 :	179 550 US\$	
	- 3 months expert time	- 8 100 US\$ x 3 =	24 300 US\$	2011 :	6 750 US\$	
	- Report	- 4 050 US\$ x 1 =	4 050 US\$			
	- Publication of results of the meeting	- 2 700 US\$ x 1 =	2 700 US\$			
	Total :	206 550 US\$				
Activity 2.2.4. Technical/thematic seminar (1)	- Synthesis of the field studies	- 27 000 US\$ x 1 =	27 000 US\$	2009 :	27 000 US\$	
	- Preparation workshop	- 20 250 US\$ x 1 =	20 250 US\$	2010 :	112 050 US\$	
	- Seminar	- 67 500 US\$ x 1 =	67 500 US\$	2011 :	6 750 US\$	
	- 3 months expert time	- 8 100 US\$ x 3 =	24 300 US\$			
	- Report	- 4 050 US\$ x 1 =	4 050 US\$			
- Publication of results of the seminar	- 2 700 US\$ x 1 =	2 700 US\$				
	Total :	145 800 US\$				
Activity 2.2.5. Research programmes	- Launching of research 1	- 54 000 US\$ x 1 =	54 000 US\$	2009 :	5 400 US\$	
		Total :	54 000 US\$	2010 :	16 200 US\$	
				2011 :	32 400 US\$	
Activity 2.2.6. Training courses (2)	- Preparation workshop	- 20 250 US\$ x 2 =	40 500 US\$	2009 :	20 250 US\$	
	- Course development	- 20 250 US\$ x 2 =	40 500 US\$	2010 :	247 050 US\$	
	- 6 weeks training courses	- 202 500 US\$ x 2 =	405 000 US\$	2011 :	226 800 US\$	
	- Reports	- 4 050 US\$ x 2 =	8 100 US\$			
	Total :	494 100 US\$				
Activity 2.2.7. Follow-up of participants' activities (preparation)	- Workshop for the preparation of the format of the follow-up activity	- 20 250 US\$ x 2 =	40 500 US\$	2009 :	- US\$	
	- Reporting	- 5 400 US\$ x 2 =	10 800 US\$	2010 :	25 650 US\$	
		Total :	51 300 US\$	2011 :	25 650 US\$	
Activity 2.2.8. Participation of experts from other regions to the activities	- Travel	- 13 500 US\$ x 3 =	40 500 US\$	2009 :	40 500 US\$	
	- Accommodation and per diems	- 13 500 US\$ x 3 =	40 500 US\$	2010 :	40 500 US\$	
	- Fees	- 13 500 US\$ x 3 =	40 500 US\$	2011 :	40 500 US\$	
	Total :	121 500 US\$				
Activity 2.2.9. Coordination of regional and international activities	- 1 Half-time coordinator at CRAterre	- 40 500 US\$ x 3 =	121 500 US\$	2009 :	60 750 US\$	
	- Travel and other expenses	- 20 250 US\$ x 3 =	60 750 US\$	2010 :	60 750 US\$	
		Total :	182 250 US\$	2011 :	60 750 US\$	
Activity 2.2.10. Publication of the results of the programme	- Phase 2 Overall report	- 40 500 US\$ x 1 =	40 500 US\$	2009 :	- US\$	
				2010 :	- US\$	
		Total :	40 500 US\$	2011 :	40 500 US\$	

Activities under Phase 2 / Management and monitoring		Means	Cost		Cost per year		
	Activity 2.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts (2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1 ICCROM, 2 CRAterre)	- Travel for 11 experts / 3 meetings	- 2 025 US\$ x 33 =	66 825	US\$	2009 :	45 968 US\$
		- Accommodation and living expenses for 11 experts / 3 meetings	- 203 US\$ x 231 =	46 778	US\$	2010 :	45 968 US\$
		- Renting of meeting room	- 1 350 US\$ x 3 =	4 050	US\$	2011 :	45 968 US\$
		- Translation	- 6 750 US\$ x 3 =	20 250	US\$		
Total :			137 903	US\$			
Activity 2.3.2 Overall management	- 1 full-time coordinator at CRAterre	- 108 000 US\$ x 3 =	324 000	US\$	2009 :	202 500 US\$	
	- 1 half-time assistant coordinator at UNESCO/WHC	- 54 000 US\$ x 3 =	162 000	US\$	2010 :	202 500 US\$	
	- 1 half-time technical advisor	- 40 500 US\$ x 3 =	121 500	US\$	2011 :	202 500 US\$	
	Total :		607 500	US\$			
Activity 2.3.3. External evaluation of the programme	- Preparation of the evaluation (questionnaire, surveys, workshop)	- 40 500 US\$ x 1 =	40 500	US\$	2009 :	- US\$	
	- Participation of external evaluators	- 2 700 US\$ x 2 =	5 400	US\$	2010 :	- US\$	
	- Evaluation (2 experts)	- 27 000 US\$ x 1 =	27 000	US\$	2011 :	72 900 US\$	
	Total :		72 900	US\$			
Activity 2.3.4. Audit	- Audit Phase 2	- 16 200 US\$ x 1 =	16 200	US\$	2009 :	- US\$	
	- Audit regional institutions	- 4 050 US\$ x 4 =	16 200	US\$	2010 :	8 100 US\$	
	Total :		32 400	US\$	2011 :	24 300 US\$	

Activities Phase 3 / 2012-2014 (special focus on Latin-America and Central Asia)

Activities under Phase 3 / Objective 1		Means	Cost	Cost per year
	Activity 3.1.1. Studies conducted at 4 sites	- Gathering ex. doc. (international level)	- 2 970 US\$ x 4 = 11 880 US\$	2012 : 41 580 US\$
		- Gathering ex. doc. (national level)	- 1 485 US\$ x 4 = 5 940 US\$	2013 : 41 580 US\$
		- Expert missions (3 weeks)	- 11 880 US\$ x 4 = 47 520 US\$	2014 : - US\$
		- Reports	- 2 228 US\$ x 4 = 8 910 US\$	
		- Local expenses	- 2 228 US\$ x 4 = 8 910 US\$	
		Total : 83 160 US\$		
	Activity 3.1.2. In-depth evaluation of past interventions undertaken at 2 sites	- Double expert missions (2 weeks)	- 17 820 US\$ x 2 = 35 640 US\$	2012 : 43 065 US\$
		- Single expert missions (2 weeks)	- 8 910 US\$ x 2 = 17 820 US\$	2013 : 43 065 US\$
- Workshops with national / local experts		- 3 713 US\$ x 4 = 14 850 US\$	2014 : - US\$	
- Reports		- 4 455 US\$ x 2 = 8 910 US\$		
- Local expenses		- 2 228 US\$ x 4 = 8 910 US\$		
	Total : 86 130 US\$			
Activity 3.1.3. Pilot projects at 4 sites	- National inputs	- 44 550 US\$ x 4 <i>pro memoria</i>	2012 : 229 680 US\$	
	- International expert missions	- 11 880 US\$ x 12 = 142 560 US\$	2013 : 229 680 US\$	
	- National expert missions	- 5 940 US\$ x 12 = 71 280 US\$	2014 : 229 680 US\$	
	- Materials for the works	- 44 550 US\$ x 4 = 178 200 US\$		
	- Manpower	- 44 550 US\$ x 4 = 178 200 US\$		
	- Equipment	- 29 700 US\$ x 4 = 118 800 US\$		
	Total : 689 040 US\$			
Activity 3.1.4. Technical specifications for the conservation of 2 historic towns	- Double expert missions (2 weeks)	- 17 820 US\$ x 2 = 35 640 US\$	2012 : - US\$	
	- Single expert missions (2 weeks)	- 8 910 US\$ x 2 = 17 820 US\$	2013 : 44 550 US\$	
	- Stakeholders meetings	- 3 713 US\$ x 6 = 22 275 US\$	2014 : 44 550 US\$	
	- Reports	- 4 455 US\$ x 2 = 8 910 US\$		
	- Local expenses	- 2 228 US\$ x 2 = 4 455 US\$		
	Total : 89 100 US\$			
Activity 3.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	- Double expert missions (2 weeks)	- 17 820 US\$ x 2 = 35 640 US\$	2012 : 26 730 US\$	
	- Single expert missions (2 weeks)	- 8 910 US\$ x 2 = 17 820 US\$	2013 : 40 838 US\$	
	- Workshops with national / local experts	- 3 713 US\$ x 4 = 14 850 US\$	2014 : 14 108 US\$	
	- Reports	- 4 455 US\$ x 2 = 8 910 US\$		
	- Local expenses	- 2 228 US\$ x 2 = 4 455 US\$		
	Total : 81 675 US\$			
Activity 3.1.6. Management plans produced for 4 sites	- Double expert missions (2 weeks)	- 17 820 US\$ x 4 = 71 280 US\$	2012 : 59 400 US\$	
	- Single expert missions (2 weeks)	- 8 910 US\$ x 4 = 35 640 US\$	2013 : 89 100 US\$	
	- National experts inputs	- 2 970 US\$ x 12 = 35 640 US\$	2014 : 89 100 US\$	
	- Stakeholders meetings	- 1 485 US\$ x 12 = 17 820 US\$		
	- Finalisation of documents	- 11 138 US\$ x 4 = 44 550 US\$		
	- Printing and distribution	- 4 455 US\$ x 4 = 17 820 US\$		
	- Local expenses	- 3 713 US\$ x 4 = 14 850 US\$		
		Total : 237 600 US\$		
Activity 3.1.7. Coordination of field activities	- Half-time coordinator at CRATERRE	- 44 550 US\$ x 3 = 133 650 US\$	2012 : 59 400 US\$	
	- Communication	- 7 425 US\$ x 3 = 22 275 US\$	2013 : 59 400 US\$	
	- Office costs	- 7 425 US\$ x 3 = 22 275 US\$	2014 : 59 400 US\$	
		Total : 178 200 US\$		

Activities under Phase 3 / Objective 2		Means	Cost		Cost per year		
	Activity 3.2.1. Publication of the results of the activities undertaken during phase 2 (Africa - Arab States)	- Preparation of draft	-	5 940 US\$	x 1 =	5 940 US\$	2012 : 42 323 US\$
		- Review by selected experts	-	2 228 US\$	x 4 =	8 910 US\$	2013 : - US\$
		- Finalisation / lay-out	-	6 683 US\$	x 1 =	6 683 US\$	2014 : - US\$
		- Printing (French/English)	-	8 910 US\$	x 2 =	17 820 US\$	
		- Distribution	-	2 970 US\$	x 1 =	2 970 US\$	
				Total :	42 323 US\$		
	Activity 3.2.2. Preparation of awareness and promotional material	- Posters	-	2 228 US\$	x 3 =	6 683 US\$	2012 : 38 610 US\$
		- Brochure (updating, French/English/Spanish/Russian)	-	7 425 US\$	x 4 =	29 700 US\$	2013 : 25 988 US\$
		- Exhibition (additional panels, reprinting)	-	22 275 US\$	x 1 =	22 275 US\$	2014 : 74 250 US\$
- Leaflet (updating, French/English/Spanish/Russian)		-	1 485 US\$	x 4 =	5 940 US\$		
- Scientific Magazine (French/English)		-	37 125 US\$	x 2 =	74 250 US\$		
			Total :	138 848 US\$			
Activity 3.2.3. International conference	Not applicable in this phase						
Activity 3.2.4. Technical/thematic seminars for the definition of guidelines, policies and research needs (3)	- Synthesis of the field studies	-	29 700 US\$	x 1 =	29 700 US\$	2012 : 29 700 US\$	
	- Preparation workshop	-	22 275 US\$	x 3 =	66 825 US\$	2013 : 343 035 US\$	
	- Seminars	-	74 250 US\$	x 3 =	222 750 US\$	2014 : 22 275 US\$	
	- 6 months expert time	-	8 910 US\$	x 6 =	53 460 US\$		
	- Reports	-	4 455 US\$	x 3 =	13 365 US\$		
	- Publication of results of seminars	-	2 970 US\$	x 3 =	8 910 US\$		
			Total :	395 010 US\$			
Activity 3.2.5. Research programmes (2)	- To be defined precisely during Phase 2		-	240 000 US\$	x 1 =	240 000 US\$	2012 : 80 000 US\$
				Total :	240 000 US\$	2013 : 80 000 US\$	
						2014 : 80 000 US\$	
Activity 3.2.6. Training courses (2)	- Preparation workshop	-	22 275 US\$	x 2 =	44 550 US\$	2012 : 22 275 US\$	
	- Course development	-	22 275 US\$	x 2 =	44 550 US\$	2013 : 271 755 US\$	
	- 6 weeks training courses	-	222 750 US\$	x 2 =	445 500 US\$	2014 : 249 480 US\$	
	- Reports	-	4 455 US\$	x 2 =	8 910 US\$		
				Total :	543 510 US\$		
Activity 3.2.7. Follow-up of participants activities	- Workshop for the preparation of the format of the follow-up activity		-	5 940 US\$	x 2 =	11 880 US\$	2012 : - US\$
	- Reporting		-				2013 : 5 940 US\$
				Total :	11 880 US\$	2014 : 5 940 US\$	
Activity 3.2.8. Participation of experts from other regions to the activities	- Travel	-	14 850 US\$	x 3 =	44 550 US\$	2012 : 44 550 US\$	
	- Accommodation and per diems	-	14 850 US\$	x 3 =	44 550 US\$	2013 : 44 550 US\$	
	- Fees	-	14 850 US\$	x 3 =	44 550 US\$	2014 : 44 550 US\$	
				Total :	133 650 US\$		
Activity 3.2.9. Coordination of regional and international activities	- 1 Half-time coordinator at CRA terre		-	44 550 US\$	x 3 =	133 650 US\$	2012 : 66 825 US\$
	- Travel and other expenses		-	22 275 US\$	x 3 =	66 825 US\$	2013 : 66 825 US\$
				Total :	200 475 US\$	2014 : 66 825 US\$	
Activity 3.2.10. Publication of the results of the programme	- Phase 3 Overall report		-	44 550 US\$	x 1 =	44 550 US\$	2012 : - US\$
				Total :	44 550 US\$	2013 : - US\$	
						2014 : 44 550 US\$	

Activities under Phase 3 / Management and monitoring		Means	Cost				Cost per year				
	Activity 3.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts (2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1 ICCROM, 2 CRAterre)	- Travel for 11 experts / 3 meetings	-	2 228	US\$	x 33 =	73 508	US\$	2012 :	50 564	US\$
		- Accommodation and living expenses for 11 experts / 3 meetings	-	223	US\$	x 231 =	51 455	US\$	2013 :	50 564	US\$
		- Renting of meeting room	-	1 485	US\$	x 3 =	4 455	US\$	2014 :	50 564	US\$
		- Translation	-	7 425	US\$	x 3 =	22 275	US\$			
			Total :			151 693	US\$				
Activity 3.3.2 Overall management	- 1 full-time coordinator at CRAterre	-	118 800	US\$	x 3 =	356 400	US\$	2012 :	222 750	US\$	
	- 1 half-time assistant coordinator at UNESCO/WHC	-	59 400	US\$	x 3 =	178 200	US\$	2013 :	222 750	US\$	
	- 1 half-time technical advisor	-	44 550	US\$	x 3 =	133 650	US\$	2014 :	222 750	US\$	
			Total :			668 250	US\$				
Activity 3.3.3. External evaluation of the programme	- Preparation of the evaluation (questionnaire, surveys, workshop)	-	44 550	US\$	x 1 =	44 550	US\$	2012 :	-	US\$	
	- Participation of external evaluators	-	2 970	US\$	x 2 =	5 940	US\$	2013 :	-	US\$	
	- Evaluation (2 experts)	-	29 700	US\$	x 1 =	29 700	US\$	2014 :	80 190	US\$	
			Total :			80 190	US\$				
Activity 3.3.4. Audit	- Audit Phase 3	-	17 820	US\$	x 1 =	17 820	US\$	2012 :	-	US\$	
	- Audit regional institutions	-	4 455	US\$	x 4 =	17 820	US\$	2013 :	8 910	US\$	
			Total :			35 640	US\$	2014 :	26 730	US\$	

Activities Phase 4 / 2015-2017 (special focus on Europe and Asia)

Activities under Phase 4 / Objective 1	Means	Cost	Cost per year			
			2015 :		US\$	
Activity 4.1.1. Studies conducted at 4 sites	- Gathering ex. doc. (international level)	- 3 240 US\$ x 4 = 12 960 US\$	2015 :	45 360	US\$	
	- Gathering ex. doc. (national level)	- 1 620 US\$ x 4 = 6 480 US\$	2016 :	45 360	US\$	
	- Expert missions (3 weeks)	- 12 960 US\$ x 4 = 51 840 US\$	2017 :	-	US\$	
	- Reports	- 2 430 US\$ x 4 = 9 720 US\$				
	- Local expenses	- 2 430 US\$ x 4 = 9 720 US\$				
	Total :	90 720 US\$				
	Activity 4.1.2. In-depth evaluation of past interventions undertaken at 2 sites	- Double expert missions (2 weeks)	- 19 440 US\$ x 2 = 38 880 US\$	2015 :	46 980	US\$
		- Single expert missions (2 weeks)	- 9 720 US\$ x 2 = 19 440 US\$	2016 :	46 980	US\$
- Workshops with national / local experts		- 4 050 US\$ x 4 = 16 200 US\$	2017 :	-	US\$	
- Reports		- 4 860 US\$ x 2 = 9 720 US\$				
- Local expenses		- 2 430 US\$ x 4 = 9 720 US\$				
Total :		93 960 US\$				
Activity 4.1.3. Pilot projects at 4 sites	- National inputs	- 48 600 US\$ x 4 = <i>pro memoria</i>	2015 :	250 560	US\$	
	- International expert missions	- 12 960 US\$ x 12 = 155 520 US\$	2016 :	250 560	US\$	
	- National expert missions	- 6 480 US\$ x 12 = 77 760 US\$	2017 :	250 560	US\$	
	- Materials for the works	- 48 600 US\$ x 4 = 194 400 US\$				
	- Manpower	- 48 600 US\$ x 4 = 194 400 US\$				
	- Equipment	- 32 400 US\$ x 4 = 129 600 US\$				
	Total :	751 680 US\$				
Activity 4.1.4. Technical specifications for the conservation of 2 historic towns	- Double expert missions (2 weeks)	- 19 440 US\$ x 2 = 38 880 US\$	2015 :	-	US\$	
	- Single expert missions (2 weeks)	- 9 720 US\$ x 2 = 19 440 US\$	2016 :	48 600	US\$	
	- Stakeholders meetings	- 4 050 US\$ x 6 = 24 300 US\$	2017 :	48 600	US\$	
	- Reports	- 4 860 US\$ x 2 = 9 720 US\$				
	- Local expenses	- 2 430 US\$ x 2 = 4 860 US\$				
	Total :	97 200 US\$				
Activity 4.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	- Double expert missions (2 weeks)	- 19 440 US\$ x 2 = 38 880 US\$	2015 :	29 160	US\$	
	- Single expert missions (2 weeks)	- 9 720 US\$ x 2 = 19 440 US\$	2016 :	44 550	US\$	
	- Workshops with national / local experts	- 4 050 US\$ x 4 = 16 200 US\$	2017 :	15 390	US\$	
	- Reports	- 4 860 US\$ x 2 = 9 720 US\$				
	- Local expenses	- 2 430 US\$ x 2 = 4 860 US\$				
	Total :	89 100 US\$				
Activity 4.1.6. Management plans produced for 4 sites	- Double expert missions (2 weeks)	- 19 440 US\$ x 4 = 77 760 US\$	2015 :	64 800	US\$	
	- Single expert missions (2 weeks)	- 9 720 US\$ x 4 = 38 880 US\$	2016 :	97 200	US\$	
	- National experts inputs	- 3 240 US\$ x 12 = 38 880 US\$	2017 :	97 200	US\$	
	- Stakeholders meetings	- 1 620 US\$ x 12 = 19 440 US\$				
	- Finalisation of documents	- 12 150 US\$ x 4 = 48 600 US\$				
	- Printing and distribution	- 4 860 US\$ x 4 = 19 440 US\$				
	- Local expenses	- 4 050 US\$ x 4 = 16 200 US\$				
	Total :	259 200 US\$				
Activity 4.1.7. Coordination of field activities	- Half-time coordinator at CRAterre	- 48 600 US\$ x 3 = 145 800 US\$	2015 :	64 800	US\$	
	- Communication	- 8 100 US\$ x 3 = 24 300 US\$	2016 :	64 800	US\$	
	- Office costs	- 8 100 US\$ x 3 = 24 300 US\$	2017 :	64 800	US\$	
	Total :	194 400 US\$				

Activities under Phase 4 / Objective 2		Means	Cost		Cost per year		
	Activity 4.2.1. Publication of the results of the activities undertaken during phases 3 & 4	- Preparation of draft	-	6 480 US\$	x 2 =	12 960 US\$	2015 : 55 890 US\$
		- Review by selected experts	-	2 430 US\$	x 8 =	19 440 US\$	2016 : - US\$
		- Finalisation / lay-out	-	7 290 US\$	x 2 =	14 580 US\$	2017 : 55 890 US\$
		- Printing (French/English/Spanish)	-	9 720 US\$	x 6 =	58 320 US\$	
		- Distribution	-	3 240 US\$	x 2 =	6 480 US\$	
				Total :	111 780 US\$		
	Activity 4.2.2. Preparation of awareness and promotional material	- Posters	-	2 430 US\$	x 3 =	7 290 US\$	2015 : 30 780 US\$
		- Brochure (updating, French/English)	-	8 100 US\$	x 2 =	16 200 US\$	2016 : 20 250 US\$
		- Exhibition (additional panels, reprinting)	-	24 300 US\$	x 1 =	24 300 US\$	2017 : 121 500 US\$
- Leaflet (updating, French/English)		-	1 620 US\$	x 2 =	3 240 US\$		
- Scientific Magazine (French/English)		-	40 500 US\$	x 3 =	121 500 US\$		
			Total :	172 530 US\$			
Activity 4.2.3. International conference	- Preparation workshop	-	32 400 US\$	x 2 =	64 800 US\$	2015 : 93 960 US\$	
	- Conference	-	250 000 US\$	x 1 =	250 000 US\$	2016 : 284 020 US\$	
	- 6 months expert time	-	9 720 US\$	x 6 =	58 320 US\$	2017 : 25 000 US\$	
	- Report	-	4 860 US\$	x 1 =	4 860 US\$		
	- Publication of results of the conference	-	25 000 US\$	x 1 =	25 000 US\$		
			Total :	402 980 US\$			
Activity 4.2.4. Technical/thematic seminars for the definition of guidelines, policies and research needs (2)	- Synthesis of the field studies	-	32 400 US\$	x 1 =	32 400 US\$	2015 : 32 400 US\$	
	- Preparation workshop	-	24 300 US\$	x 2 =	48 600 US\$	2016 : 249 480 US\$	
	- Seminars	-	81 000 US\$	x 2 =	162 000 US\$	2017 : 16 200 US\$	
	- 4 months expert time	-	9 720 US\$	x 4 =	38 880 US\$		
	- Reports	-	4 860 US\$	x 2 =	9 720 US\$		
- Publication of results of seminars	-	3 240 US\$	x 2 =	6 480 US\$			
			Total :	298 080 US\$			
Activity 4.2.5. Research programmes (2)	- To be defined precisely during Phase 2 & 3	-	240 000 US\$	x 1 =	240 000 US\$	2015 : 80 000 US\$	
			Total :	240 000 US\$	2016 : 80 000 US\$	2017 : 80 000 US\$	
Activity 4.2.6. Training courses (2)	- Preparation workshop	-	24 300 US\$	x 2 =	48 600 US\$	2015 : 24 300 US\$	
	- Course development	-	24 300 US\$	x 2 =	48 600 US\$	2016 : 296 460 US\$	
	- 6 weeks training courses	-	243 000 US\$	x 2 =	486 000 US\$	2017 : 272 160 US\$	
	- Reports	-	4 860 US\$	x 2 =	9 720 US\$		
				Total :	592 920 US\$		
Activity 4.2.7. Follow-up of participants activities	- Reporting	-	6 480 US\$	x 2 =	12 960 US\$	2015 : - US\$	
						2016 : 6 480 US\$	
				Total :	12 960 US\$	2017 : 6 480 US\$	
Activity 4.2.8. Participation of experts from other regions to the activities	- Travel	-	16 200 US\$	x 3 =	48 600 US\$	2015 : 48 600 US\$	
	- Accommodation and per diems	-	16 200 US\$	x 3 =	48 600 US\$	2016 : 48 600 US\$	
	- Fees	-	16 200 US\$	x 3 =	48 600 US\$	2017 : 48 600 US\$	
				Total :	145 800 US\$		
Activity 4.2.9. Coordination of regional and international activities	- 1 Half-time coordinator at CRAterre	-	48 600 US\$	x 3 =	145 800 US\$	2015 : 72 900 US\$	
	- Travel and other expenses	-	24 300 US\$	x 3 =	72 900 US\$	2016 : 72 900 US\$	
				Total :	218 700 US\$	2017 : 72 900 US\$	
Activity 4.2.10. Publication of the results of the programme	- Preparation of drafts	-			120 000 US\$	2015 : - US\$	
	- Review by selected experts	-				2016 : 48 000 US\$	
	- Finalisation / lay-out	-				2017 : 72 000 US\$	
	- Printing (French / English)	-					
			Total :	120 000 US\$			

Activities under Phase 4 / Management and monitoring		Means	Cost				Cost per year				
	Activity 4.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts (2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1 ICCROM, 2 CRAterre)	- Travel for 11 experts / 3 meetings	-	2 430	US\$	x 33 =	80 190	US\$	2015 :	55 161	US\$
		- Accommodation and living expenses for 11 experts / 3 meetings	-	243	US\$	x 231 =	56 133	US\$	2016 :	55 161	US\$
		- Renting of meeting room	-	1 620	US\$	x 3 =	4 860	US\$	2017 :	55 161	US\$
		- Translation	-	8 100	US\$	x 3 =	24 300	US\$			
			Total :		165 483	US\$					
Activity 4.3.2 Overall management	- 1 full-time coordinator at CRAterre	-	129 600	US\$	x 3 =	388 800	US\$	2015 :	243 000	US\$	
	- 1 half-time assistant coordinator at UNESCO/WHC	-	64 800	US\$	x 3 =	194 400	US\$	2016 :	243 000	US\$	
	- 1 half-time technical advisor	-	48 600	US\$	x 3 =	145 800	US\$	2017 :	243 000	US\$	
				Total :		729 000	US\$				
Activity 4.3.3. External evaluation of the programme	- Preparation of the evaluation (questionnaire, surveys, workshop)	-	48 600	US\$	x 1 =	48 600	US\$	2015 :	-	US\$	
	- Participation of external evaluators	-	3 240	US\$	x 2 =	6 480	US\$	2016 :	-	US\$	
	- Evaluation (2 experts)	-	32 400	US\$	x 1 =	32 400	US\$	2017 :	87 480	US\$	
				Total :		87 480	US\$				
Activity 4.3.4. Audit	- Audit Phase 4	-	19 440	US\$	x 1 =	19 440	US\$	2015 :	-	US\$	
	- Audit regional institutions	-	4 860	US\$	x 4 =	19 440	US\$	2016 :	9 720	US\$	
				Total :		38 880	US\$	2017 :	29 160	US\$	

5 – DETAILED DESCRIPTION OF ACTIVITIES



Restoration of the minaret of the great mosque, Agadez, Niger

5 – DETAILED DESCRIPTION OF ACTIVITIES

Phase 1, 2007-2008 (Recall)

During the first phase, the following activities have been undertaken:

- Organisation of a partners consultation meeting for the determination of the programme strategy for Africa, Arab States, Latin America, and Europe;
- Organisation of a logical framework seminar for the preparation of a detailed project document with a realistic work plan aiming at prioritizing introducing coherence into the development of the various components of the Earthen architecture programme;
- Support for the participation to the Terra Conference (organized by Getty Conservation Institute in collaboration with World Heritage Centre, ICOMOS, ICCROM, AFRICA 2009) to promote the earthen architecture conservation;
- Preparation of the programme document.

The following activities are still under progress (September 2008):

- Analysis of the World Heritage List: inventory of sites with earthen materials assets, identification of typologies, state of conservation and threats, indicators for measuring speed of decay;
- Preparation of a marketing document on the programme.

Phase 2, 2009-2011 (with focus on Africa and Arab states)

Activities under phase 2 / objective 1

Activity 2.1.1. - Studies conducted at 4 sites

In order to have a detailed assessment of the situation of the earthen architecture World Heritage properties in each region, studies will be conducted at selected sites. Each study will be undertaken by a team composed of the site manager, an expert of the national institution and a recognised international expert. The studies will be presented under the same format. Each report will comprise the following sections: brief description of the property, detailed description of the earthen part of the heritage, condition survey, identification of threats, SWOT analysis.

Activity 2.1.2. – In-depth evaluation of past interventions undertaken at 2 sites

In each region, there are some properties which have received attention for quite a long period of time, including the implementation of conservation measures at different levels: protection, propping, material treatment (stabilisation), structural treatment... There is an urgent need to make in-depth evaluations of these past treatments in order to be able to sort out those who give satisfying results and make sure that the non satisfying ones are not replicated anymore.

Properties that have a longstanding conservation history will be selected for the purpose. First efforts will be towards recovering the documentation. Then, a detailed evaluation will be carried out by high level experts with attention paid to: technical efficiency, durability, cost, duplicability with available means, and, appropriateness and authenticity.

Activity 2.1.3. - Pilot projects at 4 sites

The aim of the pilot projects is to improve the conditions for conservation of selected sites while nourishing the overall programme with actual field experience. A pilot project is designed to rationalize working methods and adapt them to the realities on the ground so as to respond to the specific needs of the selected site. It is also a mean to upgrade the capacity of local professionals and reinforce the participation and awareness of local populations.

The exact content will be defined according to the particular needs of the site and its specific context. It is intended to cover the variety of sub-typologies: monuments, historic towns, cultural landscapes, archaeological sites, etc.

Projects are foreseen to be spread out over a number of years with a progression in terms of activities implemented. Efforts will be made to ensure that these projects are an opportunity for sharing experience between various site managers/technicians.

Activity 2.1.4. - Technical specifications for the conservation of 2 historic towns

Technical specifications will be developed for two historic towns in the view of finding consensus between the experts' and local communities' points of view. Therefore, expert work will alternate with the organisation of stakeholders meetings and other found appropriate means of communication.

Attention will also be on ensuring good coordination between the local authorities, the representatives of the national institution in charge of heritage and representatives of the national institution in charge of urban planning, both during the production of the technical specifications and when time for the implementation will come. For this purpose, focus will also be given to the establishment of partnership rules/structures and the clarification of responsibilities.

Activity 2.1.5. - Technical specifications for the inclusion of modern infrastructures for 2 sites

Two sites with such specific needs or where there are projects for inclusion of specific infrastructures will be selected. Specific infrastructure to be considered includes improvement of access (road making, pavements...), water adduction and sewage systems, electricity...

These technical specifications will be determined taking into account the needs expressed by the local authority/population, the possible technical solutions and a very detailed examination of the impact on the authenticity of the site and on the condition of its conservation.

Activity 2.1.6. - Management plans produced for 4 sites

These plans will be produced at sites already listed that remain without comprehensive management plans or in the framework of the preparation of nomination files to the World Heritage List.

While following the Management Planning Process as recommended by ICCROM and ICOMOS, focus will be given on ensuring that the specificities of earthen architecture be properly covered within these management plans.

In view of ensuring that the experience can be as useful as possible within the framework of other activities of the programme (training, research...), it is intended that the variety of sub-typologies will be covered: monuments, historic towns, cultural landscapes, archaeological sites.

Activity 2.1.7. - Coordination of field activities

To undertake that duty, a professional with experience in the two regions will be contracted on a half-time basis. He/she will be based at CRAterre-ENSAG so as to benefit from the existing facilities (premises, data base, documentation,..) and from the presence of numerous experts in the field who can assist him/her in his/her work.

Activities under phase 2 / objective 2

Activity 2.2.1. - Publications

Book on the study of the World Earthen Architectural Heritage

This book will be based on the results of the study made in 2008. It will comprise:

- a general text presenting the Earthen Architecture World Heritage properties and a perspective of the situation in the future through taking into account the sites which are on the tentative lists;
- a series of one page forms presenting each WH property;
- a synthesis of the state of conservation and of the strengths, weaknesses, opportunities and threats affecting these properties.

It will be prepared in two languages: French and English and 1000 copies of each will be printed.

Activity 2.2.2. - Preparation of awareness and promotional material

Awareness book

The concept is to prepare a book which will both ensure awareness of Earthen Architecture World Heritage properties, but also to promote it through the preparation of a good looking, very much illustrated publication.

The book will comprise an overall introduction and a presentation of as series of representative sites, and will be closed with an exhaustive illustrated list of all the 116 sites identified (see 2.2.1).

It will be prepared in two languages: French and English and 2500 copies of each will be printed so that it can be widely distributed to the property stakeholders as a tool for self promotion.

Posters

3 posters will be produced (mosaics of pictures as for the Africa 2009 poster), one comprising pictures of properties worldwide (1000 copies), one for Sub-Saharan Africa (600 copies), and one for the Arab countries (600 copies).

Brochure

A brochure presenting the programme will be prepared, based on the present "project document". It will be a well illustrated 36 pages booklet, 20cm x 20cm size, and will be prepared in three languages (French, English and Arabic) with 1500 copies for each.

Exhibition

A small exhibition comprising a series of panels with the information contained in the brochure will be produced to present the programme. This information will be completed by a series of panels presenting World Heritage properties that contain earthen architecture. It is foreseen that this exhibition can be completed during the implementation of the programme, with insertion of panels presenting additional properties.

Leaflet

The existing leaflet presenting the programme will be updated (with the minor changes that have been made during the preparation of the final project document for the programme, and also with introducing the logos of the sponsors. It will also be translated in Arabic.

Scientific Magazine

Though the scientific magazine is conceived as a series of papers prepared by World Heritage site managers or experts in the field, the exact concept and proposed content of the magazine will be discussed at several occasions (conference, meetings, Steering Committee) so as to ensure that a first issue can be produced on the third year (French/English).

Activity 2.2.3. - International conference for managers of Earthen Architecture World Heritage properties

This international conference will be organised early 2010 at the UNESCO headquarters in Paris with the participation of site managers primarily coming from Africa (10) and Arab states (10), but also including some managers from the other regions of the World (20).

This conference will be to discuss the results of the study made in 2008 and give orientations for the programme, to be followed by the programme managers/coordinators and to be used as a monitoring tool by the Steering Committee.

This conference will be the occasion to present the exhibition on Earthen Architecture World Heritage properties prepared by the programme, and possibly other exhibitions on the topic prepared by the partners to the programme or already available.

Activity 2.2.4. – Technical/thematic seminars for the definition of guidelines and policies

These seminars are designed to bring into focus the most important issues which are faced by conservators of Earthen Architecture World Heritage sites. The topics of these seminars will be discussed during the international conference and decisions on the topic will be taken by the Steering Committee of the programme. For each seminar, a call for papers will be issued to ensure good preparedness of the participants and results based on strong participation. The location of the seminar will be selected by the Steering Committee, based on requests received.

Countries wishing to host the seminars will be asked to contribute in the provision of facilities and some logistic arrangements.

During the first phase, only one seminar will be organised. The foreseen topic is conservation of historic cities. Participation will be mostly from Africa and Arab states, but a number of professionals from other regions will be invited to participate and contribute actively.

Activity 2.2.5. – Research programmes

The research needs will be discussed at the occasion of the international conference. As a result, it is hoped that a first response to these needs can be given through the programme with in the third year of this phase making possible the launching of a first research programme.

Activity 2.2.6. - Training courses (2)

There will be two training courses during the last two years of this three year period. They will be organised in partnership with EPA, CHDA, and CERKAS. ICCROM, through ATHAR and the Africa 2009 programme, will also be a strong partner for the organisation and development of these courses. Two options are envisaged, the organisation of courses, alternatively in English and French for both regions, and the organisation of a course for Arab countries (which could possibly be in Arabic) and another one for African countries. The Steering Committee will take decision on that after an evaluation undertaken by the management together with the partner training institutions.

These courses are aimed at improving the skills and knowledge of professionals (the target public is first and foremost site managers, but could also include experts based at the national institution) in the two regions for an improved conservation and management of earthen immovable cultural heritage. Participants will be proposed by the national state or regional institutions. Selection will be made to ensure that the participants cover different backgrounds and to have a gender balance.

Taking as a base the PAT courses which have been organised in the past (1989-90-92) by ICCROM, CRAterre, and later on with the GCI (in Peru, Trujillo), each course will last 6 weeks and will address both technical issues and management planning and will use a specific (world heritage) site for ensuring that hands-on activities can be organised.

Course contents will comprise:

- introduction of participants and the heritage under their responsibility;
- earth as a building material: raw materials, testing, selection, building techniques,...;
- the specific issue of skills (know-how, training,...);
- earthen architectures, patterns, rules and specifications;
- documentation and inventory;
- conservation theories in regard to the specificities of earthen architecture;
- conservation techniques (prevention, repair, maintenance,...);
- planning and management of earthen architecture heritage properties.

The courses will emphasize hands-on experience and an interactive format rather than a lecture format and will include field work in order to (re)create actual operational conditions of the conservators' work.

Efforts will be made to take advantage of these courses to collect, produce and harmonize existing training material so that it can be reused at a later stage, by the programme, by the partners to the programme (regional training institutions), and by the participants.

Activity 2.2.7. - Follow-up of participants' activities (preparation)

In order to ensure that by the end of the programme there is an active network of professionals worldwide, a specific seminar will be organised in view of identifying

methods and practices that would be suited for the purpose that could be implemented in the course of the new two phases of the programme.

Activity 2.2.8. - Participation of experts from other regions to the activities

If a regional approach is usually very efficient, it has been recognised in similar past programmes that ensuring an open window on the world is a factor that helps moving forward. To ensure that, it is foreseen to invite professionals from other regions primarily concerned by the activities. This could be through different status: guests, guests of honour, resource persons, lecturers ...

Activity 2.2.9. - Coordination of regional and international activities

To ensure the smooth preparation, implementation, and moreover coordination of the various institutions involved in these international activities, it is necessary that a coordinator be engaged for the purpose. This coordinator will be based at CRAterre-ENSAG, on a half-time basis. Provision will be made for his office and communication needs.

Activity 2.2.10. – Publication of the results of the programme

This will consist in the preparation of a complete report of the activities carried out during the phase when it is also foreseen to take more time to prepare more detailed documents on specific results, but this, obviously taking more time will be undertaken during phase 3.

Phase 3, 2012-2014 (with focus on Latin-America and Asia)

Activities under phase 3 / objective 1

Activity 3.1.1. - Studies conducted at 4 sites

In order to have a detailed assessment of the situation of the Earthen Architecture World Heritage properties in the two regions specifically covered during this phase (Latin-America, Asia), studies will be conducted at selected sites. Each study will be undertaken by a team composed of the site manager, an expert of the national institution and a recognised international expert. The studies will be presented under the same format. Each report will comprise the following sections: brief description of the property, detailed description of the earthen part of the heritage, condition survey, identification of threats, SWOT analysis.

Activity 3.1.2. – In-depth evaluation of past interventions undertaken at 2 sites

In the two regions, there are some properties which have received attention for quite a long period of time, including the implementation of conservation measures at different levels: protection, propping, material treatment (stabilisation), structural treatment... In-depth evaluations of these past treatments will be carried out in order to be able to sort out those who give satisfying results and make sure that the non-satisfying ones are not replicated any more.

Properties that have a longstanding conservation history will be selected for the purpose. First efforts will be towards recovering the documentation. Then, a detailed evaluation will be carried out by high-level experts with attention paid to: technical efficiency, durability, cost, duplicability with available means, and, appropriateness and authenticity.

Activity 3.1.3. - Pilot projects at 4 sites

The aim of the pilot projects is to improve the conditions for conservation of selected sites while nourishing the overall programme with actual field experience. A pilot project is designed to rationalize working methods and adapt them to the realities on the ground so as to respond to the specific needs of the selected site. It is also a mean to upgrade the capacity of local professionals and reinforce the participation and awareness of local populations.

The exact content will be defined according to the particular needs of the site and its specific context. It is intended to cover the variety of sub-typologies: monuments, historic towns, cultural landscapes, archaeological sites, etc.

Projects are foreseen to be spread out over a number of years with a progression in terms of activities implemented. Efforts will be made to ensure that these projects are an opportunity for sharing experience between various site managers/technicians.

Activity 3.1.4. - Technical specifications for the conservation of 2 historic towns

Technical specifications will be developed for two historic towns in the view of finding consensus between the experts' and local communities' points of view. Therefore, expert work will alternate with the organisation of stakeholders meetings and other found appropriate means of communication.

Attention will also be on ensuring good coordination between the local authorities, the representatives of the national institution in charge of heritage and representatives of the national institution in charge of urban planning, both during the production of the technical specifications and when time for the implementation will come. For this purpose, focus will also be given to the establishment of partnership rules/structures and the clarification of responsibilities.

Activity 3.1.5. - Technical specifications for the inclusion of modern infrastructures for 2 sites

Two sites with such specific needs or where there are projects for inclusion of specific infrastructures will be selected. Specific infrastructure to be considered includes improvement of access (road making, pavements...), water adduction and sewage systems, electricity...

These technical specifications will be determined taking into account the needs expressed by the local authority/population, the possible technical solutions and a very detailed examination of the impact on the authenticity of the site and on the condition of its conservation.

Activity 3.1.6. - Management plans produced for 4 sites

These plans will be produced at sites already listed that remain without comprehensive management plans or in the framework of the preparation of nomination files to the World Heritage List.

While following the Management Planning Process as recommended by ICCROM and ICOMOS, focus will be given on ensuring that the specificities of earthen architecture be properly covered within these management plans.

In view of ensuring that the experience can be as useful as possible within the framework of other activities of the programme (training, research...), it is intended that the variety of sub-typologies will be covered: monuments, historic towns, cultural landscapes, archaeological sites.

Activity 3.1.7. - Coordination of field activities

To undertake that duty, a professional with experience in the two regions will be contracted on a half-time basis. He/she will be based at CRAterre-ENSAG so as to benefit from the existing facilities (premises, data base, documentation,..) and from the presence of numerous experts in the field who can assist him/her in his/her work.

Activities under phase 3 / objective 2

Activity 3.2.1. - Publications

From the results obtained during the second phase, the Steering Committee will take a decision on what aspect is of specific interest and should be proposed for publication. It is foreseen that the publication will be prepared in two languages: French and English and 1000 copies of each will be printed.

Activity 3.2.2. - Preparation of awareness and promotional material

Posters

3 posters will be produced (mosaics of pictures - as for the Africa 2009 poster), one comprising pictures of properties worldwide (1000 copies), one for Latin-America (600 copies), and one for Central Asia (600 copies).

Brochure

The brochure presenting the programme will be updated, with inclusion of a section on the highlights of phase 2. To that end, the 36 pages booklet will be extended with 12 additional pages. It will be prepared in four languages (French, English, Spanish and Russian) with 1500 copies for each.

Exhibition

A small exhibition comprising a series of panels with the information contained in the brochure will be produced to present the programme. If the budget allows for it, this exhibition will be completed by a series of panels presenting World Heritage properties that contain earthen architecture.

Leaflet

The existing leaflet presenting the programme will be updated with a small section on the results of phase 2 and also with introducing the logos of new sponsors, if any. It will also be translated in Spanish and in Russian.

Scientific Magazine

An evaluation of the first issue prepared during phase 2 will be made. Based on that, the concept, content and format will be discussed and if needed revised.

As a recall, the scientific magazine is conceived as a series of papers prepared by World Heritage site managers or experts in the field.

During phase 3, it is foreseen to publish two issues, both in French and in English.

Activity 3.2.3. - International conference for managers of earthen architecture World Heritage properties

Not applicable during this phase.

Activity 3.2.4. – Technical/thematic seminars for the definition of guidelines and policies

These seminars are designed to bring into focus the most important issues which are faced by conservators of Earthen Architecture World Heritage sites. The topics of these seminars will be discussed during the international conference and decision on the topic will be taken by the Steering Committee of the programme. For each seminar, a call for papers will be issued to ensure good preparedness of the participants and results based on strong participation. The location of the seminar will be selected by the Steering Committee, based on requests received.

Countries wishing to host the seminars will be asked to contribute in the provision of facilities and some logistic arrangements.

During phase 3, three seminars will be organised. One of the foreseen topics is conservation of historic cities, as a continuum of the seminar organised during phase 2. Another important topic for these two regions will probably be archaeological sites, but there may be some other suggestions; the final decision on that will be taken by the Steering Committee.

Participation will be mostly from the two regions, but a number of professionals from other regions will also participate/contribute.

Activity 3.2.5. – Research programmes

Following the exploration made during phase 2, decisions will be taken by the Steering Committee on which types of research should be undertaken or facilitated. The first research programme launched during the second phase will be continued. Depending on needs, one or two new research programmes will be launched during this third phase under the umbrella of the programme.

Activity 3.2.6. - Training courses (2)

There will be two training courses during the last two years of this three year period. They will be organised in partnership with regional institutions. During this phase, and due to the nature of the regions which are to be given focus, the courses will be given in Spanish (Latin-America) and in English (or Russian) for Asia. The Steering Committee will take decision on the country of organisation and the partner training institutions.

These courses are aimed at improving the skills and knowledge of professionals (the target public is first and foremost site managers, but could also include experts based at the national institution) in the two regions for an improved conservation and management of earthen immovable cultural heritage. Participants will be proposed by the national state or regional institutions. Selection will be made to ensure that the participants cover different backgrounds and to have a gender balance.

The organisation, content and development of these two new courses will use as a reference the PAT courses, but will also take advantage of the experience of the two courses organised during phase 2 and their evaluation.

As for the previous courses, it is foreseen that course contents will comprise:

- introduction of participants and the heritage under their responsibility;
- earth as a building material: raw materials, testing, selection, building techniques,...;
- the specific issue of skills (know-how, training,...);
- earthen architectures, patterns, rules and specifications;
- documentation and inventory;
- conservation theories in regard to the specificities of earthen architecture;
- conservation techniques (prevention, repair, maintenance,...);
- planning and management of earthen architecture heritage properties.

The courses will emphasize hands-on experience and an interactive format rather than a lecture format and will include field work in order to (re)create actual operational conditions of the conservators' work.

Efforts will be made to take advantage of these courses to collect, produce and harmonize existing training material so that it can be reused at a later stage, by the programme, by the partners to the programme (regional training institutions), and by the participants.

Activity 3.2.7. - Follow-up of participants' activities

Taking as a base the results of the specific seminar organised during phase 2, a mechanism allowing proper follow-up of participants to activities will be implemented. It is foreseen that this will result in the preparation of a report with summary information provided by former participants to the activities of the programme. Reflection on the system should include the need for making possible the continuation of this activity in the future, after completion of the programme, so as to ensure that networking between professionals can continue.

Activity 3.2.8. - Participation of experts from other regions to the activities

If a regional approach is usually very efficient, it has been recognised in similar past programmes that ensuring an open window on the world is a factor that helps moving forward. To ensure that, it is foreseen to invite professionals from other regions primarily concerned by the activities. This could be through different status: guests, guests of honour, resource persons, lecturers ...

Activity 3.2.9. - Coordination of regional and international activities

To ensure the smooth preparation, implementation, and moreover coordination of the various institutions involved in these international activities, it is necessary that a coordinator be

engaged for the purpose. This coordinator will be based at CRAterre-ENSAG, on a half-time basis. Provision will be made for his office and communication needs.

Activity 3.2.10. – Publication of the results of the programme

This will consist in the preparation of a complete report of the activities carried out during phase 3, when it is also foreseen to take more time to prepare more detailed documents on specific results, but this, obviously taking more time, will be undertaken during phase 4.

Phase 4, 2009-2011 (with focus on Europe and Asia)

Activities under phase 4 / objective 1

Activity 4.1.1. - Studies conducted at 4 sites

In order to have a detailed assessment of the situation of the Earthen Architecture World Heritage properties in the two regions to be given focus during this phase (Europe and Asia), studies will be conducted at selected sites. Each study will be undertaken by a team composed of the site manager, an expert of the national institution and a recognised international expert. The studies will be presented under the same format. Each report will comprise the following sections: brief description of the property, detailed description of the earthen part of the heritage, condition survey, identification of threats, SWOT analysis.

Activity 4.1.2. – In-depth evaluation of past interventions undertaken at 2 sites

In each region, there are some properties which have received attention for quite a long period of time, including the implementation of conservation measures at different levels: protection, propping, material treatment (stabilisation), structural treatment... There is an urgent need to make in-depth evaluations of these past treatments in order to be able to sort out those who give satisfying results and make sure that the non-satisfying ones are not replicated any more.

Properties that have a longstanding conservation history will be selected for the purpose. First efforts will be towards recovering the documentation. Then, a detailed evaluation will be carried out by high-level experts with attention paid to: technical efficiency, durability, cost, duplicability with available means, and, appropriateness and authenticity.

Activity 4.1.3. - Pilot projects at 4 sites

The aim of the pilot projects is to improve the conditions for conservation of selected sites while nourishing the overall programme with actual field experience. A pilot project is designed to rationalize working methods and adapt them to the realities on the ground so as to respond to the specific needs of the selected site. It is also a mean to upgrade the capacity of local professionals and reinforce the participation and awareness of local populations.

The exact content will be defined according to the particular needs of the site and its specific context. It is intended to cover the variety of sub typologies: monuments, historic towns, cultural landscapes, archaeological sites, etc.

Projects are foreseen to be spread out over a number of years with a progression in terms of activities implemented. Efforts will be made to ensure that these projects are an opportunity for sharing experience between various site managers/technicians.

Activity 4.1.4. - Technical specifications for the conservation of 2 historic towns

Technical specifications will be developed for two historic towns in the view of finding consensus between the experts and local communities points of view. Therefore, expert work will alternate with the organisation of stakeholders meetings and other found appropriate means of communication.

Attention will also be on ensuring good coordination between the local authorities, the representatives of the national institution in charge of heritage and representatives of the national institution in charge of urban planning, both during the production of the technical specifications and when time for the implementation will come. For this purpose, focus will also be given to the establishment of partnership rules/structures and the clarification of responsibilities.

Activity 4.1.5. - Technical specifications for the inclusion of modern infrastructures for 2 sites

Two sites with such specific needs or where there are projects for inclusion of specific infrastructures will be selected. Specific infrastructure to be considered includes improvement of access (road making, pavements...), water adduction and sewage systems, electricity...

These technical specifications will be determined taking into account the needs expressed by the local authority/population, the possible technical solutions and a very detailed examination of the impact on the authenticity of the site and on the condition of its conservation.

Activity 4.1.6. - Management plans produced for 4 sites

These plans will be produced at sites already listed that remain without comprehensive management plans or in the framework of the preparation of nomination files to the World Heritage List.

While following the Management Planning Process as recommended by ICCROM and ICOMOS, focus will be given on ensuring that the specificities of earthen architecture be properly covered within these management plans.

In view of ensuring that the experience can be as useful as possible within the framework of other activities of the programme (training, research...), it is intended that the variety of sub-typologies will be covered: monuments, historic towns, cultural landscapes, archaeological sites.

Activity 4.1.7. - Coordination of field activities

To undertake that duty, a professional with experience in the two regions will be contracted on a half-time basis. He/she will be based at CRAterre-ENSAG so as to benefit from the

existing facilities (premises, data base, documentation,..) and from the presence of numerous experts in the field who can assist him/her in his/her work.

Activities under phase 4 / objective 1

Activity 4.2.1. - Publications

From the results obtained during the third phase, the Steering Committee will take a decision on what aspect is of specific interest and should be proposed for publication. It is foreseen that the publication will be prepared in three languages: Spanish, French and English and 1000 copies of each will be printed.

Publications in Russians and other languages may also be considered.

Activity 4.2.2. - Preparation of awareness and promotional material

Posters

3 posters will be produced (mosaics of pictures - as for the Africa 2009 poster), one comprising pictures of properties worldwide (1000 copies), one for Europe (600 copies), and one for Asia (600 copies).

Brochure

The brochure presenting the programme will be updated, with inclusion of a section on the highlights of phase 3. To that end, the 48 pages booklet will be extended with 12 additional pages. It will be prepared in two languages (French and English) with 1500 copies for each.

Exhibition

A small exhibition comprising a series of panels with the information contained in the brochure will be produced to present the programme. If budget allows for it, this exhibition will be completed by a series of panels presenting World heritage properties that contains earthen architecture.

Leaflet

The existing leaflet presenting the programme will be updated with a small section on results of phase 3 and also with introducing the logos of the new sponsors, if any. It will also be prepared in two languages (French and English).

Scientific Magazine

An evaluation of the second issue prepared during phase 3 will be made. Based on that, the concept, content and format will be discussed and if needed revised.

As a recall, the scientific magazine is conceived as a series of papers prepared by World heritage site managers or experts in the field.

During phase 4, it is foreseen to publish 3 issues, all in French and in English.

Activity 4.2.3. - International conference for managers of Earthen Architecture World Heritage properties

This international conference will be organised early 2016 at a location to be defined. It is hoped that this conference, which will be almost marking the beginning of the end of the programme, will allow many participants to come from all regions, with focus given to professionals who would have actively contributed to the success of the programme.

The conference will aim discussion on the results of the programme and making suggestions for addressing the future of earthen architectural heritage towards sustainable development and to the benefit of the world population.

Activity 4.2.4. – Technical/thematic seminars for the definition of guidelines and policies

These seminars are designed to bring into focus the most important issues which are faced by conservators of Earthen Architecture World Heritage sites. The topics of these seminars will be discussed during the international conference and decision on the topic will be taken by the Steering Committee of the programme. For each seminar, a call for papers will be issued to ensure good preparedness of the participants and results based on strong participation. The location of the seminar will be selected by the Steering Committee, based on requests received.

Countries wishing to host the seminars will be asked to contribute in the provision of facilities and some logistic arrangements.

During phase 4, two seminars will be organised. A topic that can be foreseen for that phase is rural housing upgrading and conservation as such a typology is very present in Europe. But, as has been mentioned earlier, there may have some other suggestions and decision on that will be taken by the Steering Committee.

Participation will be mostly from the two regions, but a number of professionals from other regions will also participate/contribute.

Activity 4.2.5. – Research programmes

Following the exploration made during phases 2 and 3 and progress made for the research which had been supported, decisions will be taken by the Steering Committee on which type of research should be undertaken or facilitated. Existing research programmes may just continue while one or two new research programmes might be launched during this fourth phase under the umbrella of the programme.

Activity 4.2.6. - Training courses (2)

There will be two training courses during the last two years of this three year period. They will be organised in partnership with regional institutions. During this phase, and due to the nature of the regions which are to be given focus, one course will be given in French and the other one in English. The Steering Committee will take decision on the country of organisation and the partner training institutions.

These courses are aimed at improving the skills and knowledge of professionals (the target public is first and foremost site managers, but could also include experts based at the national institution) in the two regions for an improved conservation and management of earthen immovable cultural heritage. Participants will be proposed by the national state or regional institutions. Selection will be made to ensure that the participants cover different backgrounds and to have a gender balance.

The organisation, content and development of these two new courses will use as a reference the PAT courses, but will also take advantage of the experience of the four courses organised during phase 2 and 3 and their evaluation.

As for previous courses, it is foreseen that course contents will comprise:

- introduction of participants and the heritage under their responsibility;
- earth as a building material: raw materials, testing, selection, building techniques,..;

- the specific issue of skills (know-how, training,...);
- earthen architectures, patterns, rules and specifications;
- documentation and inventory;
- conservation theories in regard to the specificities of earthen architecture;
- conservation techniques (prevention, repair, maintenance,...);
- planning and management of earthen architecture heritage properties.

The courses will emphasize hands-on experience and an interactive format rather than a lecture format and will include field work in order to (re)create actual operational conditions of the conservators' work.

Efforts will be made to take advantage of these courses to collect, produce and harmonize existing training material so that it can be reused at a later stage, by the programme, by the partners to the programme (regional training institutions), and by the participants.

Activity 4.2.7. - Follow-up of participants' activities

Taking as a base the results of the specific seminar organised during phase 2, a mechanism allowing proper follow-up of participants to activities will be implemented.

It is foreseen that this will result in the preparation of a report with summary information provided by former participants to the activities of the programme.

All efforts will be made to set conditions to ensure the continuation of this activity in the future, after completion of the programme, so as to ensure that networking between professionals can continue.

Activity 4.2.8. - Participation of experts from other regions to the activities

If a regional approach is usually very efficient, it has been recognised in similar past programmes that ensuring an open window on the world is a factor that helps moving forward. To ensure that, it is foreseen to invite professionals from other regions primarily concerned by the activities. This could be through different status: guests, guests of honour, resource persons, lecturers ...

Activity 4.2.9. - Coordination of regional and international activities

To ensure the smooth preparation, implementation, and moreover coordination of the various institutions to be involved in these international activities, it is necessary that a coordinator be engaged for the purpose. This coordinator will be based at CRAterre-ENSAG, on a half-time basis. Provision will be made for his office and communication needs.

Activity 4.2.10. – Publication of the results of the programme

Three products will be considered at this stage:

The first product will consist in the preparation of publications on the results of the phase itself. That will take the form of a complete report of the activities carried out during phase 4.

The second product will be the preparation of a publication focusing on topics which would have been more specifically covered during this last phase of the programme. .

The third is a report on the overall programme.

6 – PROGRAMME BUDGET



Sky city, New Mexico, USA

6 – PROGRAMME BUDGET

6.1. Overall programme budget per phase / year

Estimated budget 2009 - 2017 (Summary) / Currency : USD									
Objective 1	Phase 2 Africa and Arab States			Phase 3 Latin America and Central Asia			Phase 4 Europe and Asia		
	2009	2010	2011	2012	2013	2014	2015	2016	2017
1.1. Studies conducted at 12 sites (4 per phase)	37 800	37 800		41 580	41 580		45 360	45 360	
1.2. In-depth evaluation of past interventions undertaken at 6 sites (2 per phase)	39 150	39 150		43 065	43 065		46 980	46 980	
1.3. Pilot projects at 12 sites (4 per phase)	208 800	208 800	208 800	229 680	229 680	229 680	250 560	250 560	250 560
1.4. Technical specifications for the conservation of 6 historic towns (2 per phase)		40 500	40 500		44 550	44 550		48 600	48 600
1.5. Technical specifications for the inclusion of modern infrastructures for 6 sites (2 per phase)	24 300	37 125	12 825	26 730	40 838	14 108	29 160	44 550	15 390
1.6. Management plans produced for 12 sites (4 per phase)	54 000	81 000	81 000	59 400	89 100	89 100	64 800	97 200	97 200
1.7. Coordination of field activities	54 000	54 000	54 000	59 400	59 400	59 400	64 800	64 800	64 800
TOTAL OBJECTIVE 1	418 050	498 375	397 125	459 855	548 213	436 838	501 660	598 050	476 550
Objective 2	2009	2010	2011	2012	2013	2014	2015	2016	2017
2.1. Publication	38 475			42 323			55 890		55 890
2.2. Preparation of awareness and promotional material	70 875	60 750	33 750	38 610	25 988	74 250	30 780	20 250	121 500
2.3. International conferences	20 250	179 550	6 750	29 700	343 035	22 275	93 960	294 020	25 000
2.4. Technical/thematic seminars	27 000	112 050	6 750	80 000	80 000	80 000	32 400	249 480	16 200
2.5. Research programmes	5 400	16 200	32 400	80 000	80 000	80 000	80 000	80 000	80 000
2.6. Training courses (2 per phase)	20 250	247 050	226 800	22 275	271 755	249 480	24 300	296 460	272 160
2.7. Follow-up of participants activities		25 650	25 650		5 940	5 940		6 480	6 480
2.8. Participation of experts from other regions to the activities	40 500	40 500	40 500	44 550	44 550	44 550	48 600	48 600	48 600
2.9. Coordination of regional and international activities	60 750	60 750	60 750	66 825	66 825	66 825	72 900	72 900	72 900
2.10. Publication of the results of the programme			40 500			44 550		48 000	72 000
TOTAL OBJECTIVE 2	283 500	742 500	473 850	324 283	838 093	587 870	438 830	1 106 190	770 730
Management and monitoring	2009	2010	2011	2012	2013	2014	2015	2016	2017
3.1. Steering committee meetings	45 968	45 968	45 968	50 564	50 564	50 564	55 161	55 161	55 161
3.2. Overall management	202 500	202 500	202 500	222 750	222 750	222 750	243 000	243 000	243 000
3.3. External evaluation of the programme			72 900			80 190			87 480
3.4. Audit		8 100	24 300		8 910	26 730		9 720	29 160
TOTAL MANAGEMENT AND MONITORING	248 468	256 568	345 668	273 314	282 224	380 234	298 161	307 881	414 801
TOTAL OPERATIONAL COSTS per year	950 018	1 497 443	1 216 643	1 057 452	1 668 529	1 404 942	1 238 651	2 012 121	1 662 081
TOTAL OPERATIONAL COSTS per phase	3 664 103			4 130 923			4 912 853		
GRAND TOTAL OPERATIONAL COSTS	12 707 878								
Support costs (13%)	1 652 024								
Provision for currency fluctuations (5%)	717 995								
GRAND TOTAL	15 077 898								

6.2. Financial support

It is expected that financial support will be ensured by the World Heritage Fund and various international donors, buttressing the efforts already made by the state parties, the institutions in charge of heritage in their countries, the training institutions, as well as the local authorities and communities.

Though getting funding for individual activities is appreciated, there is actually a need for funding for the overall programme so as to guarantee that it can be properly managed and to ensure that there is coherence and coordination between all the field, regional and international activities.

Funding has already been obtained from:

- the Italian Government has already allocated an amount of 500 000 USD, including the provision on a yearly basis of 6 man-months of high-level expertise to assist in the

coordination of the programme as technical advisor, as well as support to projects to be undertaken in Mali and Ethiopia;

- the French Government, through the France/UNESCO programme, which managed to fund the costs related to the analysis of the World Heritage List: inventory of sites with earthen materials assets, identification of typologies, state of conservation and threats, indicators for measuring speed of decay;
- CRAterre-ENSAG, through the provision of office space, facilities, data base and when required access to its documentation centre.

Several in-situ projects are already receiving serious support. This is the case of:

- Old town of Ghadames, Libya, which receives very strong support from the Government of Libya through ECOU;
- The restoration project for Atturaif in Saudi-Arabia, which receives strong support from ADA, in view of proposing the site for World Heritage status,
- Bandiagara cliffs in Mali is receiving funding from various sources, including the World Monument Watch and GTZ (German Government);
- Djenné in Mali has been allocated 120 000 USD by the Italian government for the realisation of a pilot restoration project to be implemented in 2009-2010;
- Les Palais Royaux d'Abomey, Benin, supported by the Government of Benin with support from Norway, and the "Mairie d'Abomey" and Albi (France).

For the organisation of the course for the Arab countries (2010 - 2011), ICCROM has already offered to connect the Earthen Architecture Programme with its own ATHAR programme for which funding to organise a course has already been partially secured.

Need for more support:

The above mentioned contributions are not yet sufficient and a campaign is launched to raise more funds.

National cooperation programmes will be explored, more specifically those of Norway and Sweden.

EU funding opportunities will also be explored.

At the local level, national funding from the governments as well as contributions from cooperation services will be explored. There are usually possibilities to obtain complementary funding from the French, Swedish, Norwegian, German embassies.

Private donors like Total, Shell, and other international companies will also be approached.

World Monuments Watch has also shown some interest in assisting in the organisation of regional training, in addition to its possible continued support to individual conservation projects to be implemented at sites for which nomination files need to be prepared.

7 – MANAGEMENT AND MONITORING



Chan Chan, Peru

7 – MANAGEMENT AND MONITORING

7.1. Steering Committee

The programme will be overlooked by a Steering Committee composed of representatives of the main programme partners (World Heritage Centre, ICOMOS, ICCROM, CRAterre-ENSAG) and representatives from selected regional institutions. For phase 1, the forecasted institutions are:

EPA (School of African Heritage, Benin)

CHDA (Centre for Heritage Development in Africa, Kenya)

CERKAS, Morocco

The Steering Committee will comprise 11 members:

- WHC: 2 representatives
- CRAterre-ENSAG: 2 representatives
- ICCROM: 1 representative
- ICOMOS: 1 representative
- representatives from regional institutions
- site managers

7.2. Overall management

The World Heritage Centre will ensure an overall coordination of the Programme and will report to the World Heritage Committee on the progress. To assist the existing staff, a full-time coordinator for the programme will be recruited. He/she will have the responsibility to ensure proper communication between the programme partners and the national local partners and also ensure good coordination of the programme with the programme officers at UNESCO-WHC.

A Secretariat of the Programme will be established and will have the responsibility to coordinate the implementation of in-situ, regional and international activities, and to report back to the Steering Committee. The long term aim is to put the regional institutions in charge with these secretarial responsibilities. Until completion of this transfer of responsibilities, the Secretariat will be based at the premises of CRAterre-ENSAG. To that end, CRAterre will provide sufficient office space to accommodate for three persons. CRAterre will be provided with means that will allow supporting full-time coordination (as was organised for the Africa 2009 programme). Two half-time contracts will be established, one for the coordination of in-situ projects/missions, and one more specifically for the organisation of international events. A technical advisor will also be engaged on a half-time basis. He will assist the coordinators in their activities and will be charged more specifically with tasks related to the preparation of frameworks for the surveys/enquiries, preparation of documents for the seminars and to their moderation, preparation of training material and finally for reporting.

Regional institutions will be charged with the responsibility to organise activities with a regional scope that will happen at their premises (training courses, seminars) or in the region where they are located and recognised.

ICCROM will coordinate training activities and will develop in collaboration with CRAterre-ENSAG training material. In that regard, links will be established with the existing regional programmes managed or coordinated by/with ICCROM, like Africa 2009 and ATHAR.

ICOMOS will coordinate all necessary studies on the World Heritage List and the tentative lists aiming at better monitoring earthen architectures sites. A scientific project counsellor with an expertise in the field of earthen architecture conservation, recruited by the World Heritage Centre, will ensure a daily coordination of the work between the World Heritage Centre, the UNESCO field offices, the World Heritage site managers and the representatives of the State Parties to the Convention.

7.3. Partners to be involved in the activities

In addition to the major partners of the Programme, several other institutions such as the Getty Conservation Institute, the World Monument Watch and international non-governmental organisations will collaborate during specific activities. National institutions in charge of Cultural Heritage and local Government authorities will also be involved wherever possible.

7.4. Monitoring and evaluation

The monitoring and evaluation of the programme, ensuring that the objectives of the programme are met, will be an ongoing exercise. The annual work plans and budgets that will be prepared will provide guidance for the implementation of the programme. These will be presented to the Steering Committee for approval before implementation each year.

Progress reports on approved activities will be submitted to the Steering Committee once a year. Individual activity reports will also be submitted to the Steering Committee during and after the completion of a particular activity. Apart from this, an annual report with detailed expenditure accounts will be submitted each year to the financial partners and the Steering Committee.

In addition to the collection of internal statistics from the annual reports of activities, the impact of the programme in fulfilling its objectives will be evaluated by the end of 2011 for making possible some adjustments for the next phase. Towards this end, surveys and seminars on the impact will be carried out beginning of 2011.

The programme will also be subject to an external review in 2014 and in 2017.

7.5. Audit

In order to guarantee proper use of funds made available to the programme and its partners for undertaking activities, a financial audit will be organised at the end of each phase, in addition to the usual control carried out by specialised bodies.

ANNEXES



Merv, Turkmenistan

Annex 1: Detailed estimated budget

Phase 2 / 2009-2011 (special focus on Africa and Arab States)
Detailed estimated budget - Currency : USD

Phase 2 / Objective 1				2009	2010	2011
Activity 2.1.1. Studies conducted at 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Gathering ex. doc. (international level)	2 700	4	10 800			
- Gathering ex. doc. (national level)	1 350	4	5 400			
- Expert missions (3 weeks)	10 800	4	43 200			
- Reports	2 025	4	8 100			
- Local expenses	2 025	4	8 100			
Sub-total 2.1.1			75 600	37 800	37 800	
Activity 2.1.2. In-depth evaluation of past interventions undertaken at 2 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	16 200	2	32 400			
- Single expert missions (2 weeks)	8 100	2	16 200			
- Workshops with national / local experts	3 375	4	13 500			
- Reports	4 050	2	8 100			
- Local expenses	2 025	4	8 100			
Sub-total 2.1.2			78 300	39 150	39 150	
Activity 2.1.3. Pilot projects at 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- National inputs	40 500	4	pro memoria			
- International expert missions	10 800	12	129 600			
- National expert missions	5 400	12	64 800			
- Materials for the works	40 500	4	162 000			
- Manpower	40 500	4	162 000			
- Equipment	27 000	4	108 000			
Sub-total 2.1.3			626 400	208 800	208 800	208 800
Activity 2.1.4. Technical specifications for the conservation of 2 historic towns	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	16 200	2	32 400			
- Single expert missions (2 weeks)	8 100	2	16 200			
- Stakeholders meetings	3 375	6	20 250			
- Reports	4 050	2	8 100			
- Local expenses	2 025	2	4 050			
Sub-total 2.1.4			81 000		40 500	40 500
Activity 2.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	16 200	2	32 400			
- Single expert missions (2 weeks)	8 100	2	16 200			
- Workshops with national / local experts	3 375	4	13 500			
- Reports	4 050	2	8 100			
- Local expenses	2 025	2	4 050			
Sub-total 2.1.5			74 250	24 300	37 125	12 825
Activity 2.1.6. Management plans produced for 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	16 200	4	64 800			
- Single expert missions (2 weeks)	8 100	4	32 400			
- National experts inputs	2 700	12	32 400			
- Stakeholders meetings	1 350	12	16 200			
- Finalisation of documents	10 125	4	40 500			
- Printing and distribution	4 050	4	16 200			
- Local expenses	3 375	4	13 500			
Sub-total 2.1.6			216 000	54 000	81 000	81 000
Activity 2.1.7. Coordination of field activities	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Half-time coordinator at CRAterre	40 500	3	121 500			
- Communication	6 750	3	20 250			
- Office costs	6 750	3	20 250			
Sub-total 2.1.7			162 000	54 000	54 000	54 000
TOTAL Phase 2/Objective 1			1 313 550	418 050	498 375	397 125

Phase 2 / Objective 2

				2009	2010	2011
Activity 2.2.1. Publication of the study of the World Earthen Architectural Heritage						
	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Preparation of draft	5 400	1	5 400			
- Review by selected experts	2 025	4	8 100			
- Finalisation / lay-out	6 075	1	6 075			
- Printing (French/English)	8 100	2	16 200			
- Distribution	2 700	1	2 700			
	Sub-total 2.2.1		38 475	38 475		
Activity 2.2.2. Preparation of awareness and promotional material						
- Awareness book (French/English)	40 500	2	81 000			
- Posters	2 025	3	6 075			
- Brochure (French/English/Arabic)	6 750	3	20 250			
- Exhibition	20 250	1	20 250			
- Leaflet (French/English/Arabic)	1 350	3	4 050			
- Scientific Magazine (French/English)	33 750	1	33 750			
	Sub-total 2.2.2		165 375	70 875	60 750	33 750
Activity 2.2.3. International conference on earthen architecture conservation						
- Preparation workshops (2)	20 250	2	40 500			
- Conference	135 000	1	135 000			
- 3 months expert time	8 100	3	24 300			
- Report	4 050	1	4 050			
- Publication of results of the meeting	2 700	1	2 700			
	Sub-total 2.2.3		206 550	20 250	179 550	6 750
Activity 2.2.4. Technical/thematic seminar (1)						
- Preparation of a synthesis of the field studies	27 000	1	27 000			
- Preparation workshop	20 250	1	20 250			
- Seminar	67 500	1	67 500			
- 3 months expert time	8 100	3	24 300			
- Report	4 050	1	4 050			
- Publication of results of the seminar	2 700	1	2 700			
	Sub-total 2.2.4		145 800	27 000	112 050	6 750
Activity 2.2.5. Research programmes						
- Launching of research 1	54 000	1	54 000			
	Sub-total 2.2.5		54 000	5 400	16 200	32 400
Activity 2.2.6. Training courses (2)						
- Preparation workshop	20 250	2	40 500			
- Course development	20 250	2	40 500			
- 6 weeks training courses	202 500	2	405 000			
- Reports	4 050	2	8 100			
	Sub-total 2.2.6		494 100	20 250	247 050	226 800
Activity 2.2.7. Follow-up of participants' activities (preparation)						
- Workshop for the preparation of the format of the follow-up activity	20 250	2	40 500			
- Reporting	5 400	2	10 800			
	Sub-total 2.2.7		51 300		25 650	25 650
Activity 2.2.8. Participation of experts from other regions to the activities						
- Travel	13 500	3	40 500			
- Accommodation and per diems	13 500	3	40 500			
- Fees	13 500	3	40 500			
	Sub-total 2.2.8		121 500	40 500	40 500	40 500
Activity 2.2.9. Coordination of regional and international activities						
- 1 Half-time coordinator at CRAterre	40 500	3	121 500			
- Travel and other expenses	20 250	3	60 750			
	Sub-total 2.2.9		182 250	60 750	60 750	60 750
Activity 2.2.10. Publication of the results of the programme						
- Phase 2 Overall report	40 500	1	40 500			
	Sub-total 2.2.10		40 500			40 500
TOTAL Phase 2/Objective 2			1 499 850	283 500	742 500	473 850

Phase 2 / Management and monitoring

				2009	2010	2011
Activity 2.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts (2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1 ICCROM, 2 CRAterre)						
- Travel for 11 experts / 3 meetings	2 025	33	66 825			
- Accommodation and living expenses for 11 experts / 3 meetings	203	231	46 778			
- Renting of meeting room	1 350	3	4 050			
- Translation	6 750	3	20 250			
Sub-total 2.3.1			137 903	45 968	45 968	45 968
Activity 2.3.2 Overall management						
- 1 full-time coordinator at CRAterre	108 000	3	324 000			
- 1 half-time assistant coordinator at UNESCO/WHC	54 000	3	162 000			
- 1 half-time technical advisor	40 500	3	121 500			
Sub-total 2.3.2			607 500	202 500	202 500	202 500
Activity 2.3.3. External evaluation of the programme						
- Preparation of the evaluation (questionnaire, surveys, workshop)	40 500	1	40 500			
- Participation of external evaluators	2 700	2	5 400			
- Evaluation (2 experts)	27 000	1	27 000			
Sub-total 2.3.3			72 900			72 900
Activity 2.3.4. Audit						
- Audit Phase 2	16 200	1	16 200			
- Audit regional institutions	4 050	4	16 200			
Sub-total 2.3.4			32 400		8 100	24 300
TOTAL Phase 2/Management and monitoring			850 703	248 468	256 568	345 668
GRAND TOTAL PHASE 2			3 664 103	950 018	1 497 443	1 216 643

Phase 3 / 2012-2014 (special focus on Latin-America and Central Asia)
Detailed estimated budget - Currency : USD

Phase 3 / Objective 1				2012	2013	2014
Activity 3.1.1. Studies conducted at 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Gathering ex. doc. (international level)	2 970	4	11 880			
- Gathering ex. doc. (national level)	1 485	4	5 940			
- Expert missions (3 weeks)	11 880	4	47 520			
- Reports	2 228	4	8 910			
- Local expenses	2 228	4	8 910			
Sub-total 3.1.1			83 160	41 580	41 580	
Activity 3.1.2. In-depth evaluation of past interventions undertaken at 2 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	17 820	2	35 640			
- Single expert missions (2 weeks)	8 910	2	17 820			
- Workshops with national / local experts	3 713	4	14 850			
- Reports	4 455	2	8 910			
- Local expenses	2 228	4	8 910			
Sub-total 3.1.2			86 130	43 065	43 065	
Activity 3.1.3. Pilot projects at 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- National inputs	44 550	4	pro memoria			
- International expert missions	11 880	12	142 560			
- National expert missions	5 940	12	71 280			
- Materials for the works	44 550	4	178 200			
- Manpower	44 550	4	178 200			
- Equipment	29 700	4	118 800			
Sub-total 3.1.3			689 040	229 680	229 680	229 680
Activity 3.1.4. Technical specifications for the conservation of 2 historic towns	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	17 820	2	35 640			
- Single expert missions (2 weeks)	8 910	2	17 820			
- Stakeholders meetings	3 713	6	22 275			
- Reports	4 455	2	8 910			
- Local expenses	2 228	2	4 455			
Sub-total 3.1.4			89 100		44 550	44 550
Activity 3.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	17 820	2	35 640			
- Single expert missions (2 weeks)	8 910	2	17 820			
- Workshops with national / local experts	3 713	4	14 850			
- Reports	4 455	2	8 910			
- Local expenses	2 228	2	4 455			
Sub-total 3.1.5			81 675	26 730	40 838	14 108
Activity 3.1.6. Management plans produced for 4 sites	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Double expert missions (2 weeks)	17 820	4	71 280			
- Single expert missions (2 weeks)	8 910	4	35 640			
- National experts inputs	2 970	12	35 640			
- Stakeholders meetings	1 485	12	17 820			
- Finalisation of documents	11 138	4	44 550			
- Printing and distribution	4 455	4	17 820			
- Local expenses	3 713	4	14 850			
Sub-total 3.1.6			237 600	59 400	89 100	89 100
Activity 3.1.7. Coordination of field activities	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>			
- Half-time coordinator at CRAterre	44 550	3	133 650			
- Communication	7 425	3	22 275			
- Office costs	7 425	3	22 275			
Sub-total 3.1.7			178 200	59 400	59 400	59 400
TOTAL Phase 3/Objective 1			1 444 905	459 855	548 213	436 838

Phase 3 / Objective 2
2012 2013 2014
Activity 3.2.1. Publication of the results of the activities undertaken during phase 2 (Africa - Arab States)

	<i>Unit cost</i>	<i># units</i>	<i>Total cost</i>
- Preparation of draft	5 940	1	5 940
- Review by selected experts	2 228	4	8 910
- Finalisation / lay-out	6 683	1	6 683
- Printing (French/English)	8 910	2	17 820
- Distribution	2 970	1	2 970
Sub-total 3.2.1			42 323

42 323
Activity 3.2.2. Preparation of awareness and promotional material

- Posters	2 228	3	6 683
- Brochure (updating, French/English/Spanish/Russian)	7 425	4	29 700
- Exhibition (additional panels, reprinting)	22 275	1	22 275
- Leaflet (updating, French/English/Spanish/Russian)	1 485	4	5 940
- Scientific Magazine (French/English)	37 125	2	74 250
Sub-total 3.2.2			138 848

38 610
25 988
74 250
Activity 3.2.3. International conference
Not applicable in this phase
Sub-total 3.2.3
Activity 3.2.4. Technical/thematic seminars for the definition of guidelines, policies and research needs (3)

- Preparation of a synthesis of the field studies	29 700	1	29 700
- Preparation workshop	22 275	3	66 825
- Seminars	74 250	3	222 750
- 6 months expert time	8 910	6	53 460
- Reports	4 455	3	13 365
- Publication of results of seminars	2 970	3	8 910
Sub-total 3.2.4			395 010

29 700
343 035
22 275
Activity 3.2.5. Research programmes (2)

- To be defined precisely during Phase 2	240 000	1	240 000
Sub-total 3.2.5			240 000

80 000
80 000
80 000
Activity 3.2.6. Training courses (2)

- Preparation workshop	22 275	2	44 550
- Course development	22 275	2	44 550
- 6 weeks training courses	222 750	2	445 500
- Reports	4 455	2	8 910
Sub-total 3.2.6			543 510

22 275
271 755
249 480
Activity 3.2.7. Follow-up of participants activities

- Workshop for the preparation of the format of the follow-up activity			
- Reporting	5 940	2	11 880
Sub-total 3.2.7			11 880

5 940
5 940
Activity 3.2.8. Participation of experts from other regions to the activities

- Travel	14 850	3	44 550
- Accommodation and per diems	14 850	3	44 550
- Fees	14 850	3	44 550
Sub-total 3.2.8			133 650

44 550
44 550
44 550
Activity 3.2.9. Coordination of regional and international activities

- 1 Half-time coordinator at CRAterre	44 550	3	133 650
- Travel and other expenses	22 275	3	66 825
Sub-total 3.2.9			200 475

66 825
66 825
66 825
Activity 3.2.10. Publication of the results of the programme

- Phase 3 Overall report	44 550	1	44 550
Sub-total 3.2.10			44 550

44 550
TOTAL Phase 3/Objective 2
1 750 245
324 283
838 093
587 870

Phase 3 / Management and monitoring

				2012	2013	2014
Activity 3.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts						
<small>(2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1 ICCROM, 2 CRAterre)</small>						
- Travel for 11 experts / 3 meetings	2 228	33	73 508			
- Accommodation and living expenses for 11 experts / 3 meetings	223	231	51 455			
- Renting of meeting room	1 485	3	4 455			
- Translation	7 425	3	22 275			
Sub-total 3.3.1			151 693	50 564	50 564	50 564
Activity 3.3.2 Overall management						
- 1 full-time coordinator at CRAterre	118 800	3	356 400			
- 1 half-time assistant coordinator at UNESCO/WHC	59 400	3	178 200			
- 1 half-time technical advisor	44 550	3	133 650			
Sub-total 3.3.2			668 250	222 750	222 750	222 750
Activity 3.3.3. External evaluation of the programme						
- Preparation of the evaluation (questionnaire, surveys, workshop)	44 550	1	44 550			
- Participation of external evaluators	2 970	2	5 940			
- Evaluation (2 experts)	29 700	1	29 700			
Sub-total 3.3.3			80 190			80 190
Activity 3.3.4. Audit						
- Audit Phase 3	17 820	1	17 820			
- Audit regional institutions	4 455	4	17 820			
Sub-total 3.3.4			35 640		8 910	26 730
TOTAL Phase 3/Management and monitoring			935 773	273 314	282 224	380 234
GRAND TOTAL PHASE 3			4 130 923	1 057 452	1 668 529	1 404 942

Phase 4 / 2015-2017 (special focus on Europe and Asia)
Detailed estimated budget - Currency : USD

Phase 4 / Objective 1				2015	2016	2017
Activity 4.1.1. Studies conducted at 4 sites	Unit cost	# units	Total cost			
- Gathering ex. doc. (international level)	3 240	4	12 960			
- Gathering ex. doc. (national level)	1 620	4	6 480			
- Expert missions (3 weeks)	12 960	4	51 840			
- Reports	2 430	4	9 720			
- Local expenses	2 430	4	9 720			
Sub-total 4.1.1			90 720	45 360	45 360	
Activity 4.1.2. In-depth evaluation of past interventions undertaken at 2 sites	Unit cost	# units	Total cost			
- Double expert missions (2 weeks)	19 440	2	38 880			
- Single expert missions (2 weeks)	9 720	2	19 440			
- Workshops with national / local experts	4 050	4	16 200			
- Reports	4 860	2	9 720			
- Local expenses	2 430	4	9 720			
Sub-total 4.1.2			93 960	46 980	46 980	
Activity 4.1.3. Pilot projects at 4 sites	Unit cost	# units	Total cost			
- National inputs	48 600	4	pro memoria			
- International expert missions	12 960	12	155 520			
- National expert missions	6 480	12	77 760			
- Materials for the works	48 600	4	194 400			
- Manpower	48 600	4	194 400			
- Equipment	32 400	4	129 600			
Sub-total 4.1.3			751 680	250 560	250 560	250 560
Activity 4.1.4. Technical specifications for the conservation of 2 historic towns	Unit cost	# units	Total cost			
- Double expert missions (2 weeks)	19 440	2	38 880			
- Single expert missions (2 weeks)	9 720	2	19 440			
- Stakeholders meetings	4 050	6	24 300			
- Reports	4 860	2	9 720			
- Local expenses	2 430	2	4 860			
Sub-total 4.1.4			97 200		48 600	48 600
Activity 4.1.5. Technical specifications for the inclusion of modern infrastructures for 2 sites	Unit cost	# units	Total cost			
- Double expert missions (2 weeks)	19 440	2	38 880			
- Single expert missions (2 weeks)	9 720	2	19 440			
- Workshops with national / local experts	4 050	4	16 200			
- Reports	4 860	2	9 720			
- Local expenses	2 430	2	4 860			
Sub-total 4.1.5			89 100	29 160	44 550	15 390
Activity 4.1.6. Management plans produced for 4 sites	Unit cost	# units	Total cost			
- Double expert missions (2 weeks)	19 440	4	77 760			
- Single expert missions (2 weeks)	9 720	4	38 880			
- National experts inputs	3 240	12	38 880			
- Stakeholders meetings	1 620	12	19 440			
- Finalisation of documents	12 150	4	48 600			
- Printing and distribution	4 860	4	19 440			
- Local expenses	4 050	4	16 200			
Sub-total 4.1.6			259 200	64 800	97 200	97 200
Activity 4.1.7. Coordination of field activities	Unit cost	# units	Total cost			
- Half-time coordinator at CRAterre	48 600	3	145 800			
- Communication	8 100	3	24 300			
- Office costs	8 100	3	24 300			
Sub-total 4.1.7			194 400	64 800	64 800	64 800
TOTAL Phase 4/Objective 1			1 576 260	501 660	598 050	476 550

Phase 4 / Objective 2

				2015	2016	2017
Activity 4.2.1. Publication of the results of the activities undertaken during phases 3 & 4	Unit cost	# units	Total cost			
- Preparation of draft	6 480	2	12 960			
- Review by selected experts	2 430	8	19 440			
- Finalisation / lay-out	7 290	2	14 580			
- Printing (French/English/Spanish)	9 720	6	58 320			
- Distribution	3 240	2	6 480			
Sub-total 4.2.1			111 780	55 890		55 890
Activity 4.2.2. Preparation of awareness and promotional material						
- Posters	2 430	3	7 290			
- Brochure (updating, French/English)	8 100	2	16 200			
- Exhibition (additional panels, reprinting)	24 300	1	24 300			
- Leaflet (updating, French/English)	1 620	2	3 240			
- Scientific Magazine (French/English)	40 500	3	121 500			
Sub-total 4.2.2			172 530	30 780	20 250	121 500
Activity 4.2.3. International conference						
- Preparation workshop	32 400	2	64 800			
- Conference	250 000	1	250 000			
- 6 months expert time	9 720	6	58 320			
- Report	4 860	1	4 860			
- Publication of results of the conference	25 000	1	25 000			
Sub-total 4.2.3			402 980	93 960	284 020	25 000
Activity 4.2.4. Technical/thematic seminars for the definition of guidelines, policies and research needs (2)						
- Preparation of a synthesis of the field studies	32 400	1	32 400			
- Preparation workshop	24 300	2	48 600			
- Seminars	81 000	2	162 000			
- 4 months expert time	9 720	4	38 880			
- Reports	4 860	2	9 720			
- Publication of results of seminars	3 240	2	6 480			
Sub-total 4.2.4			298 080	32 400	249 480	16 200
Activity 4.2.5. Research programmes (2)						
- To be defined precisely during Phase 2 & 3	240 000	1	240 000			
Sub-total 4.2.5			240 000	80 000	80 000	80 000
Activity 4.2.6. Training courses (2)						
- Preparation workshop	24 300	2	48 600			
- Course development	24 300	2	48 600			
- 6 weeks training courses	243 000	2	486 000			
- Reports	4 860	2	9 720			
Sub-total 4.2.6			592 920	24 300	296 460	272 160
Activity 4.2.7. Follow-up of participants activities						
- Reporting	6 480	2	12 960			
Sub-total 4.2.7			12 960		6 480	6 480
Activity 4.2.8. Participation of experts from other regions to the activities						
- Travel	16 200	3	48 600			
- Accommodation and per diems	16 200	3	48 600			
- Fees	16 200	3	48 600			
Sub-total 4.2.8			145 800	48 600	48 600	48 600
Activity 4.2.9. Coordination of regional and international activities						
- 1 Half-time coordinator at CRAterre	48 600	3	145 800			
- Travel and other expenses	24 300	3	72 900			
Sub-total 4.2.9			218 700	72 900	72 900	72 900
Activity 4.2.10. Publication of the results of the programme						
- Preparation of drafts						
- Review by selected experts						
- Finalisation / lay-out						
- Printing (French / English)						
Sub-total 4.2.10			120 000		48 000	72 000
TOTAL Phase 4/Objective 2			2 315 750	438 830	1 106 190	770 730

Phase 4 / Management and monitoring

				2015	2016	2017
Activity 4.3.1. Steering committee meetings ; 1 per year (7 days), with 11 experts <small>(2 from regional institutions, 3 site managers, 2 WHC, 1 ICOMOS, 1</small>						
- Travel for 11 experts / 3 meetings	2 430	33	80 190			
- Accommodation and living expenses for 11 experts / 3 meetings	243	231	56 133			
- Renting of meeting room	1 620	3	4 860			
- Translation	8 100	3	24 300			
Sub-total 4.3.1			165 483	55 161	55 161	55 161
Activity 4.3.2 Overall management						
- 1 full-time coordinator at CRATerre	129 600	3	388 800			
- 1 half-time assistant coordinator at UNESCO/WHC	64 800	3	194 400			
- 1 half-time technical advisor	48 600	3	145 800			
Sub-total 4.3.2			729 000	243 000	243 000	243 000
Activity 4.3.3. External evaluation of the programme						
- Preparation of the evaluation (questionnaire, surveys, workshop)	48 600	1	48 600			
- Participation of external evaluators	3 240	2	6 480			
- Evaluation (2 experts)	32 400	1	32 400			
Sub-total 4.3.3			87 480			87 480
Activity 4.3.4. Audit						
- Audit Phase 4	19 440	1	19 440			
- Audit regional institutions	4 860	4	19 440			
Sub-total 4.3.4			38 880		9 720	29 160
TOTAL Phase 4/Management and monitoring			1 020 843	298 161	307 881	414 801
GRAND TOTAL PHASE 4			4 912 853	1 238 651	2 012 121	1 662 081

Annex 2: Decision: 31 COM 21C

Decision: 31 COM 21C

The World Heritage Committee,

1. Having examined Document WHC-07/31.COM/21C,
2. Welcomes the proposal to implement an integrated programme of activities in support of earthen architectural heritage and recognizes the potential of this programme to contribute towards the sustainable development of traditional settlements which could provide considerable benefits to local communities;
3. Decides to allocate USD 80,000 from the World Heritage Fund as seed money for the implementation of Phase 1 of the Programme (namely, USD 40,000 from the 2006-2007 budget, and USD 40,000 from the 2008-2009 budget);
4. Encourages the World Heritage Centre to seek extra budgetary funds for the implementation of the proposed Programme activities;
5. Also encourages the World Heritage Centre to use local institutions and human capacity already developed in the regions to drive the programme;
6. Further encourages the World Heritage Centre to ensure the transfer of management of the programme to the regions within the first four years of the commencement of the programme; for Africa however the management of the programme should be done from the region by the School of African Heritage (EPA) and the Center for Heritage Development in Africa (CHDA), as well as established heritage institutions, with advice from CRATerre-ENSAG, ICCROM and ICOMOS;
7. Calls for potential donors and States Parties to provide financial support for the implementation of Programme activities;
8. Requests the Director of the World Heritage Centre to prepare a report on the programme objectives and a costed multi-year programme for examination by the World Heritage Committee at its 33rd session in 2009.