



terra

LYON 2016

XII^e Congrès mondial sur les architectures de terre
XIIth World Congress on Earthen Architecture
XII Congreso mundial de las arquitecturas de tierra
11-14 Juillet 2016 Centre de Congrès / Lyon / France

PRÉ-ACTES / PREPRINTS / PRE-ACTOS





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Sous l'égide de / under the aegis of / bajo los auspicios de:



ICOMOS - ISCEAH
International Scientific Committee
of Earthen Architecture Heritage
International Council on
Monuments and Sites

Le douzième congrès mondial sur les architectures de terre, Terra 2016 est organisé par CRAterre sous l'égide du Comité ISCEAH d'ICOMOS international et dans le cadre du programme de l'architecture de terre du Centre du patrimoine de l'UNESCO (WHEAP).

The twelfth global congress on earthen architecture, Terra 2016 is organized by CRAterre under the aegis of the ISCEAH Committee of ICOMOS International and within the framework of World Heritage Earthen Architecture Programme of UNESCO (WHEAP).

El duodécimo Congreso Mundial «Terra 2016» está organizado por CRAterre bajo los auspicios del Comité Internacional ISCEAH de ICOMOS internacional y en el marco del programa de Arquitectura de Tierra del Centro del Patrimonio Mundial de la UNESCO (WHEAP).



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ATELIER / WORKSHOP / TALLER : SITES ARCHÉOLOGIQUES

ADOBE STRUCTURES OF TIGRANAKERT IN ARTSAKH

On the territory of the Armenian Highland the usage of unbaked bricks in buildings goes back to thousands of years. A classic example of building techniques of stone base and brick walls gives Urartu (Tushpa, Erebuni, Teishebaini, Ayanis). In the systems of antique and Hellenistic reinforcement (Armavir, Artashat) the mass usage of unbaked bricks is presented as well.

The goal of the research is the analysis of new founded unbaked brick constructions of Tigranakert in Artsakh, their forms and measurements, their functions as parts of fortification systems and dwellings.

The results obtained enable us to propose that in the case of Tigranakert due to the rich stone quarry, unbaked brick constructions had less prevalence than in simultaneous Hellenistic settlements.

Numerous Hellenistic fortified settlements of Armenian Highland and its surroundings (4th century BC-3rd century AD) give us many examples of unbaked brick walls on the stone base. The constructive technique of those constructions derived directly from fortifications of Urartu (9th-7th centuries BC). At the same time, thanks to the abundance of stone material, Armenia is also famous for its stone-made powerful defense complexes such as fortress of Garni, Armavir, Artashat, etc. In this context, the unbaked brick structures of Tigranakert in Artsakh are interesting case for a discussion, which are combined with stone base of up to six meters in height.

The main purpose of the research is to find out the type of constructive technique of unbaked brick walls adjoined to the stone walls of Fortified area of Tigranakert and their relationship with the stone walls.

At the end of the research we can conclude that although it is likely that brick walls were built as part of the initial construction, still it cannot be excluded that a significant part of excavated brick structures were added or attached to the stone walls in the Sassanid era (3rd-7th centuries AD).

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fesional dedicado a la investigación y experimentación de arquitectura en tierra cruda participando en numerosos talleres de formación. Voluntariado en proyectos de restauración de patrimonio edificado. Participación en congresos académicos en América Latina.

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PLUMIER CECILE

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Architecte depuis 2005. De 1998 à 2005, il travaillera à temps partiel au sein d'AKterre participant à des chantiers de réhabilitation de Pisé, des recherches sur le pisé préfabriqué et des formations, il fondera en 2005 avec 5 associés l'entreprise Caracol qui s'organise autour de 3 activités (chantier, étude et formation autour des architectures en terre crue) Martin Pointet intègre le projet amàco (Atelier Matières à Construire) où il occupe un poste d'architecte chercheur en matériau et fondera en parallèle le bureau d'étude BETerre avec 3 associés.

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