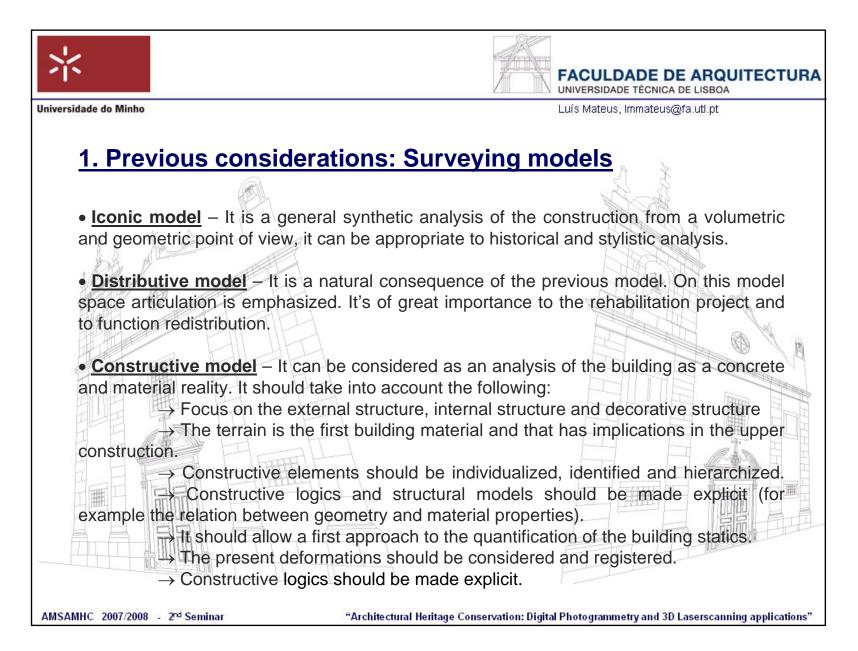
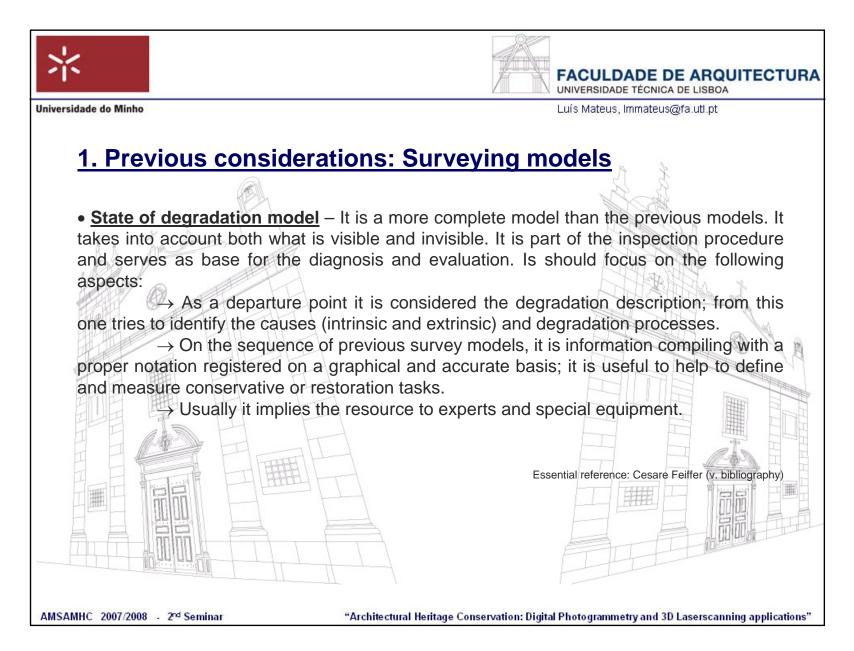
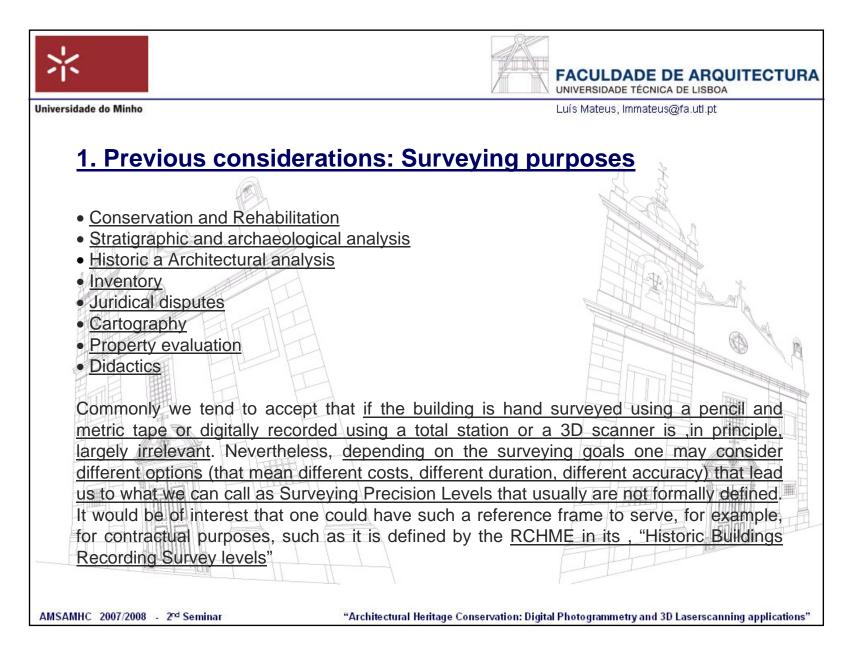
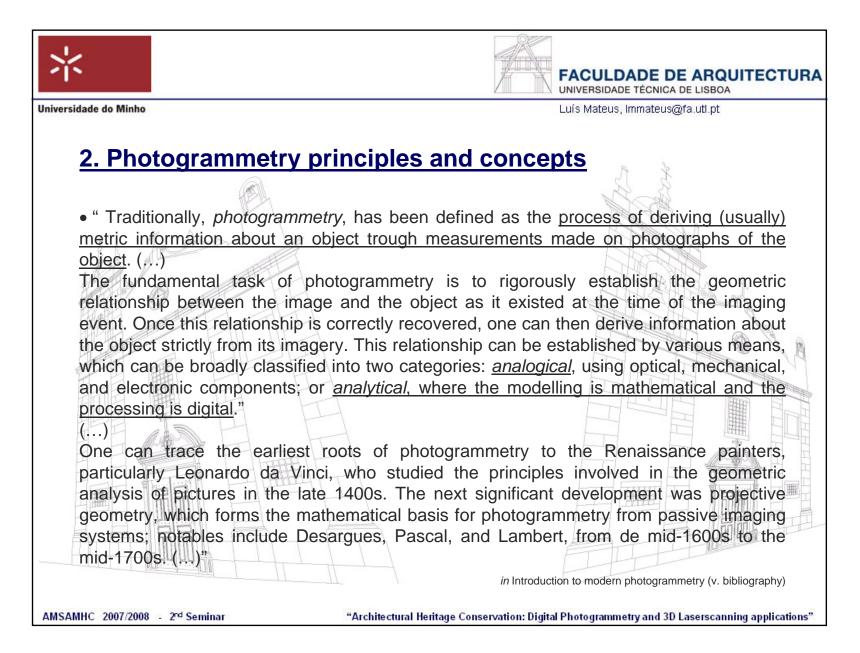


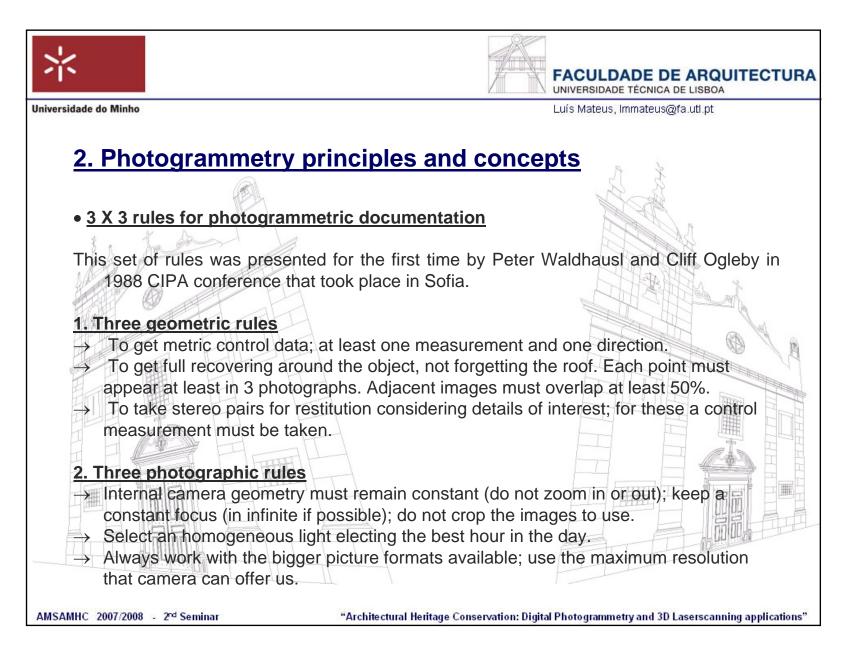
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Universidade do Minho Luís Mateus, Immateus@fa.utl.pt	
1. Previous considerations: Architectural survey	
 Architectural survey is a resulting product of its own time, of Theory and Criticism Architecture and of the <u>available instrumentation and technology</u>. 	of
 "() measurement, geometric clarification, historical knowledge, but i above all, it is reading operation, a discretization of the architectural form and of graphical transcription of its formal qualities" 	
 It is an instrument that serve as <u>basis</u> for those whom, in several ways, work 	. A
 It is always more than a simple measurement action of a building, or an urban context 	
is a complex operation that should be carried out with rigour, ethics, and taking in	how I I I
account the purposes for which it is destined to.	
 It should be <u>clear and objective</u> and should, ideally, adopt an <u>universal graphing</u> notation. 	cal
AMSAMHC 2007/2008 - 2 nd Seminar "Architectural Heritage Conservation: Digital Photogrammetry and 3D Laserscanning ap	plications"

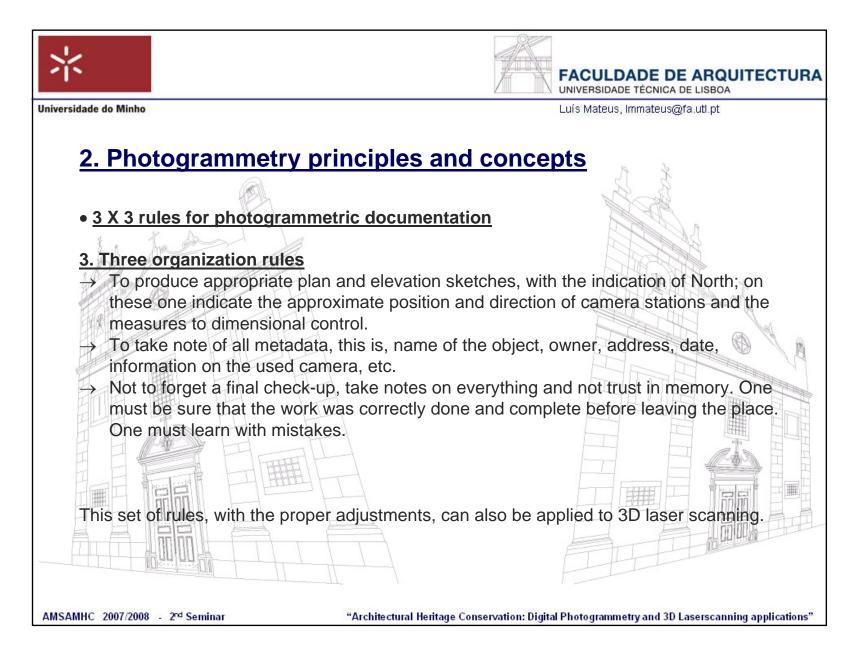


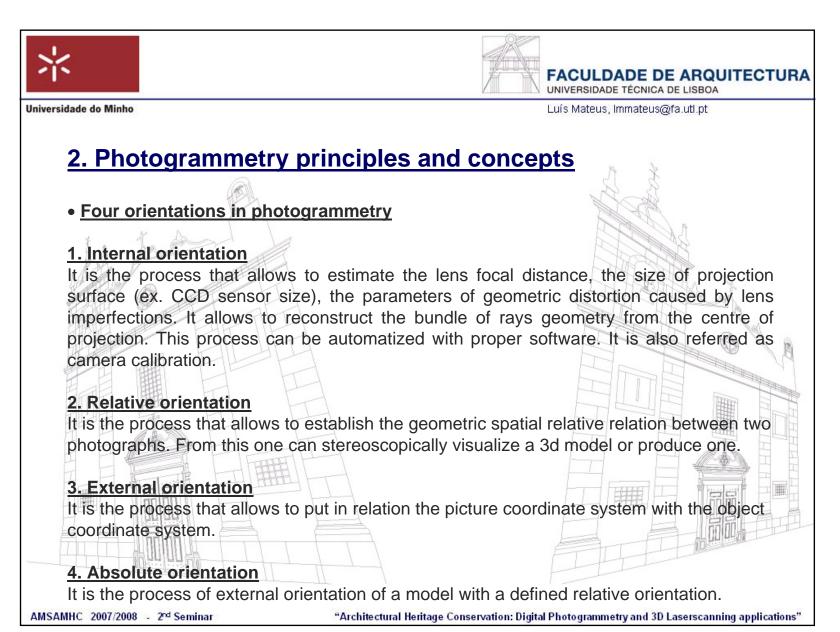


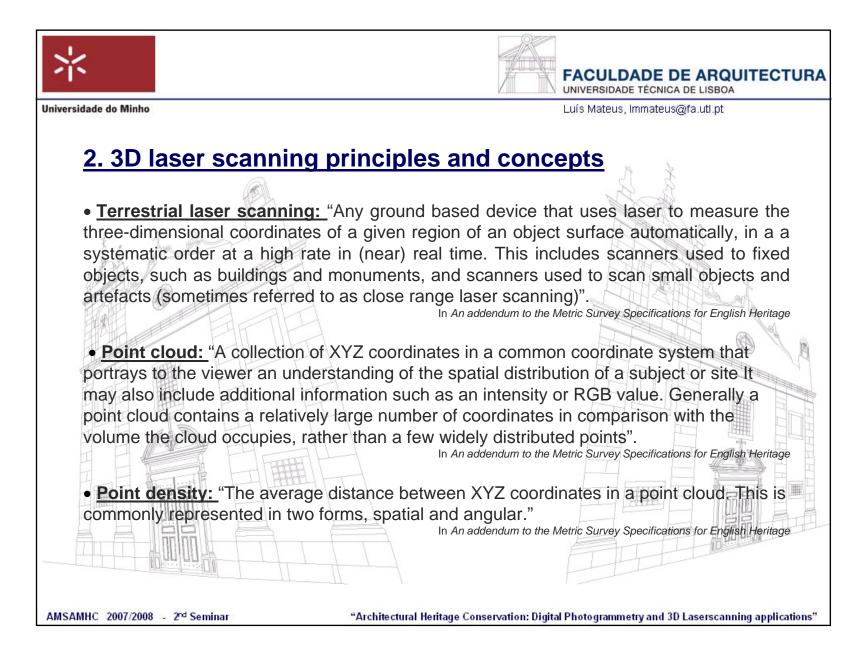


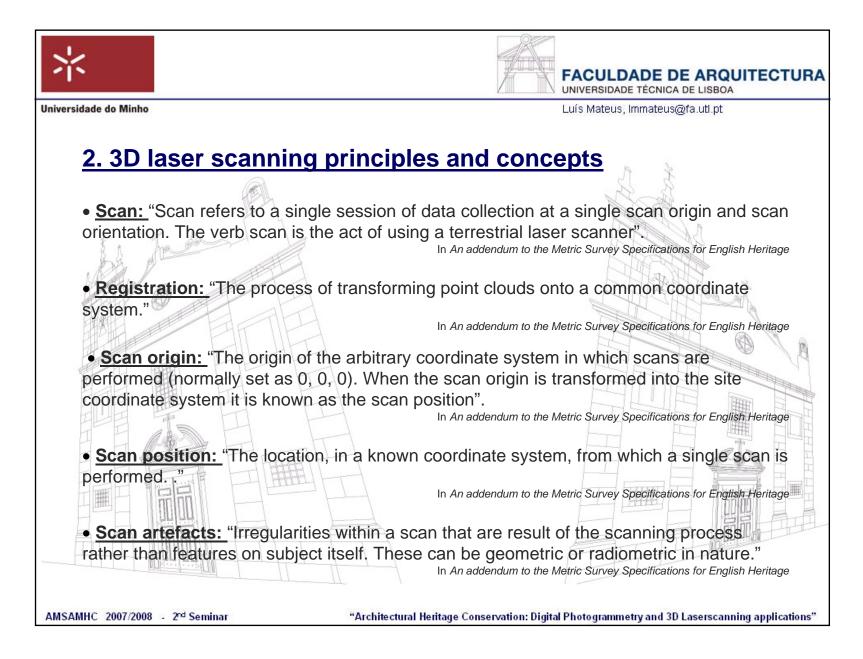


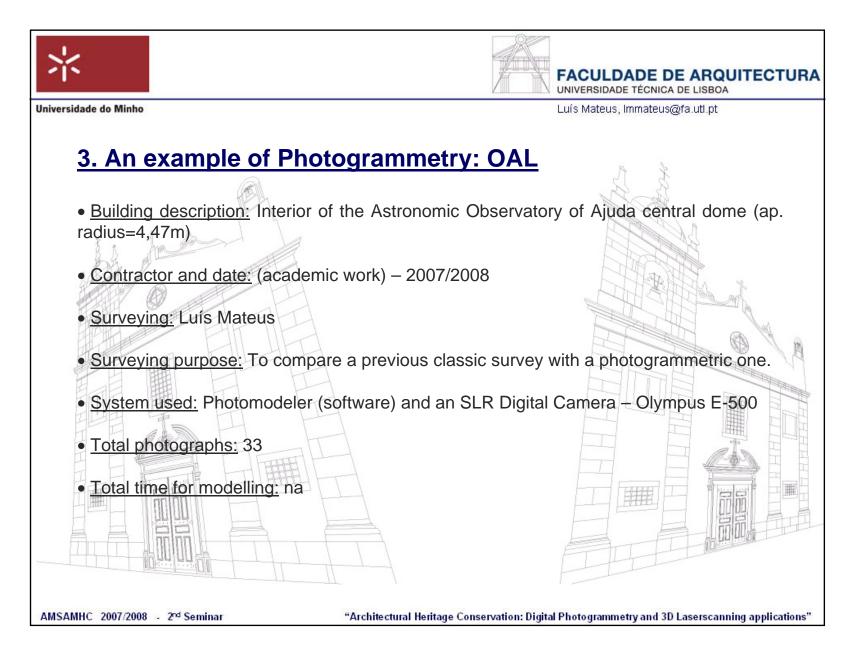


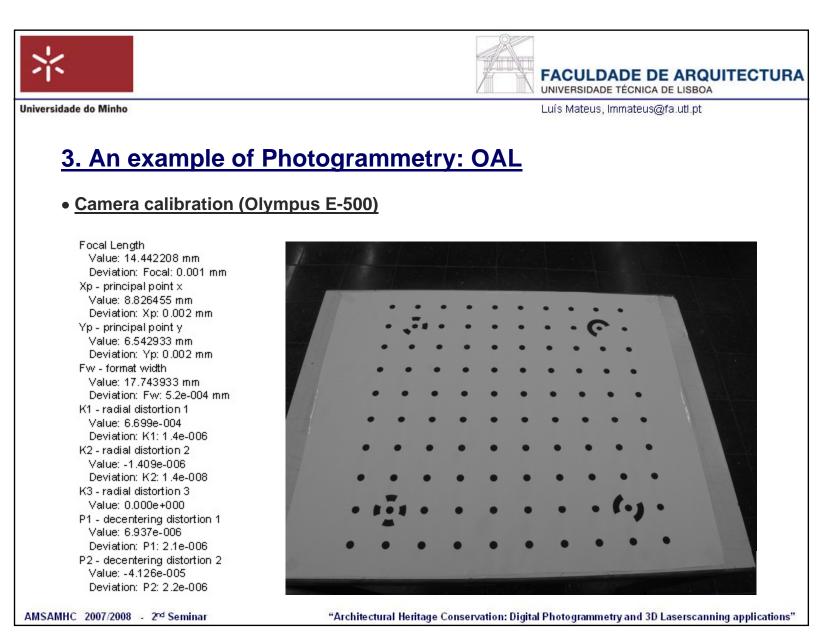


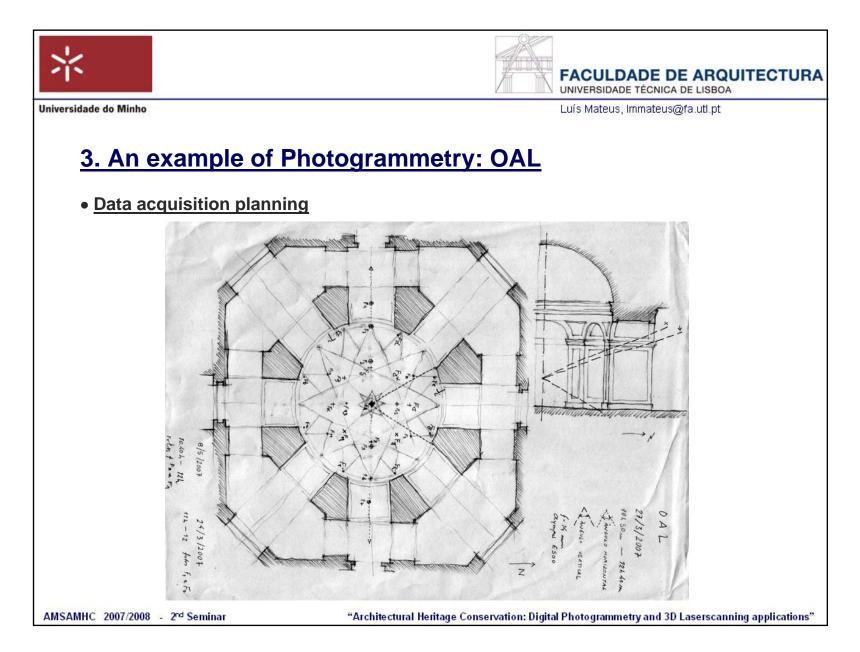


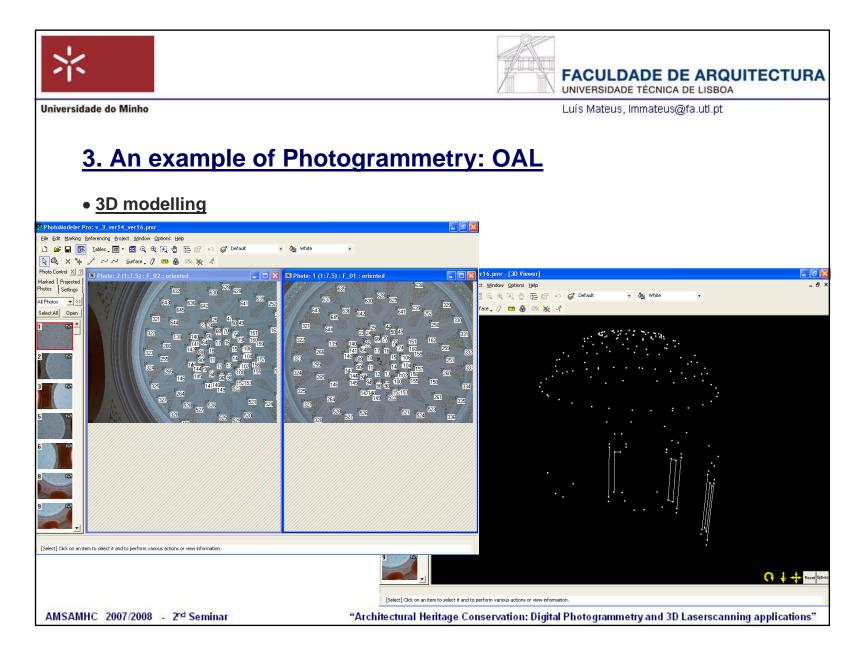


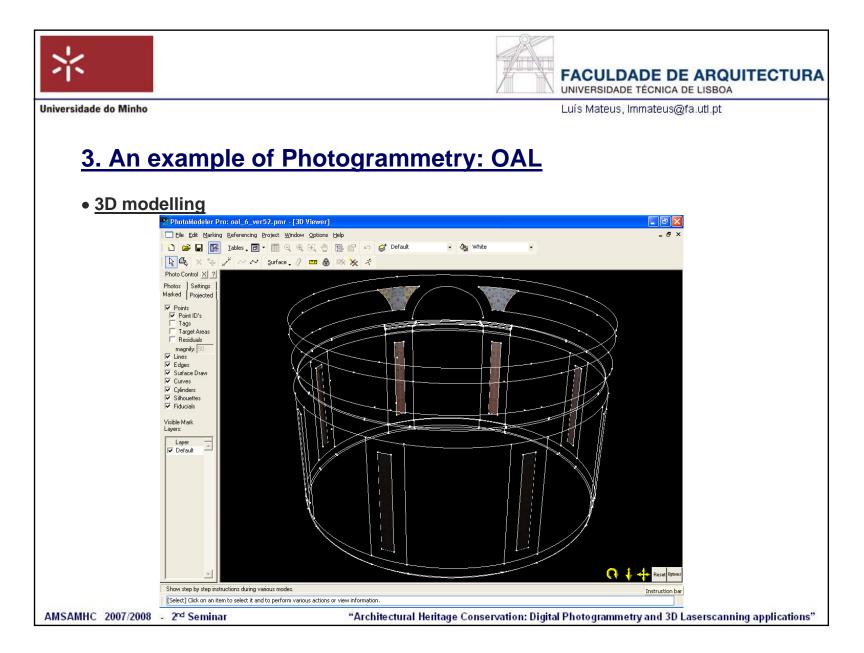


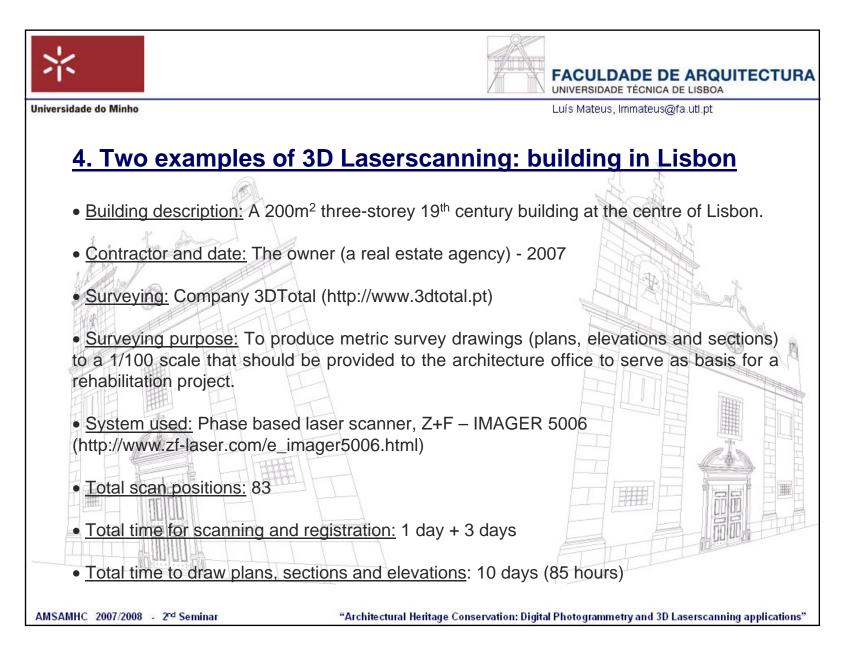


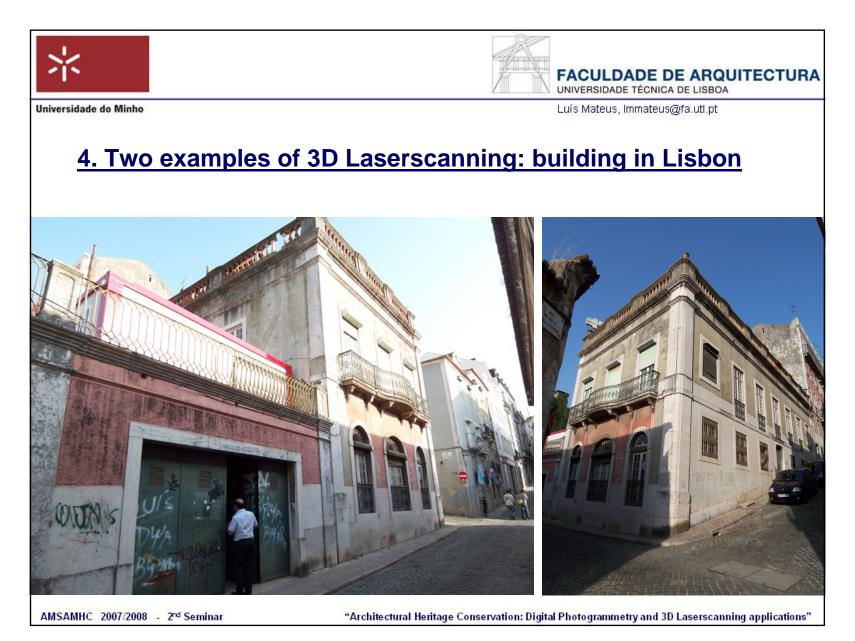


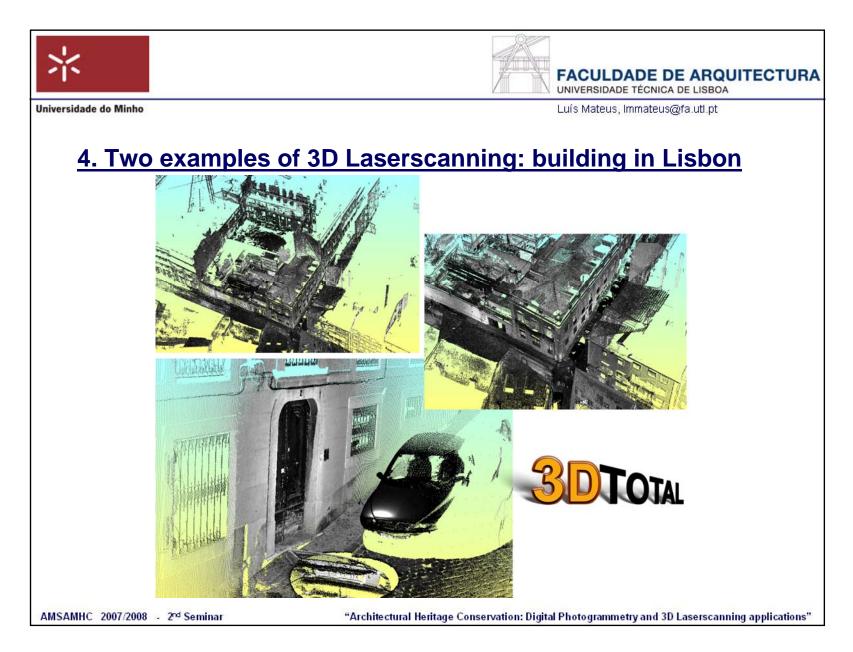


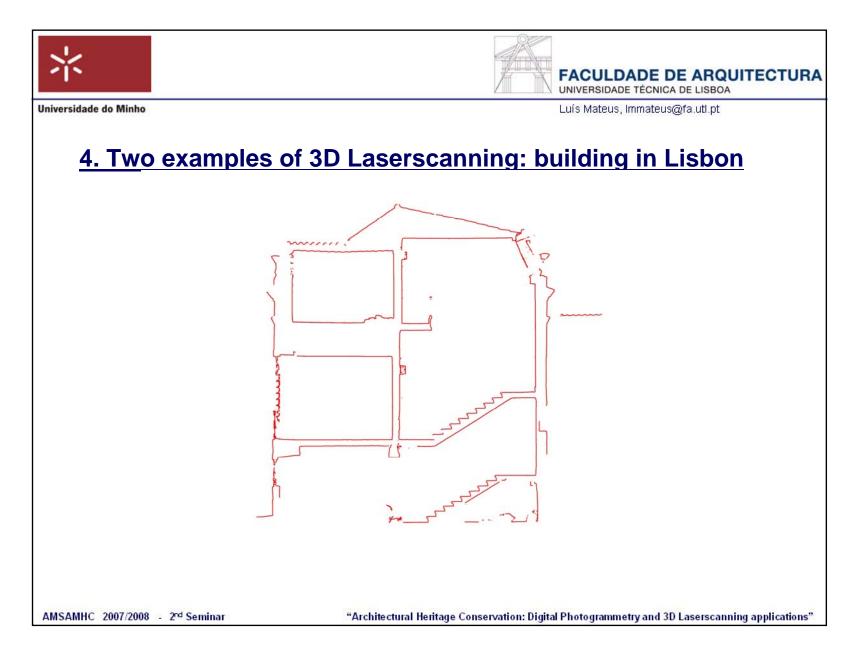


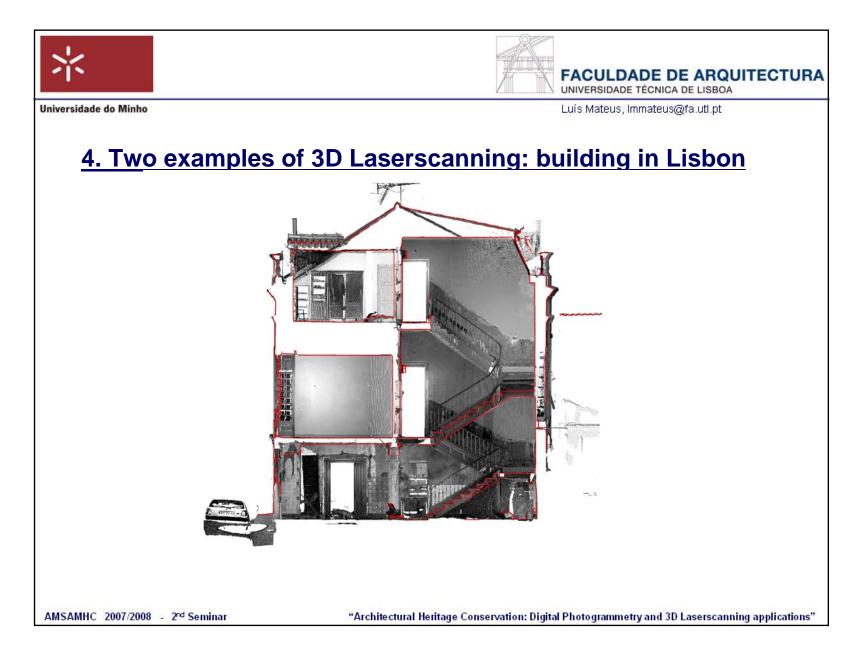


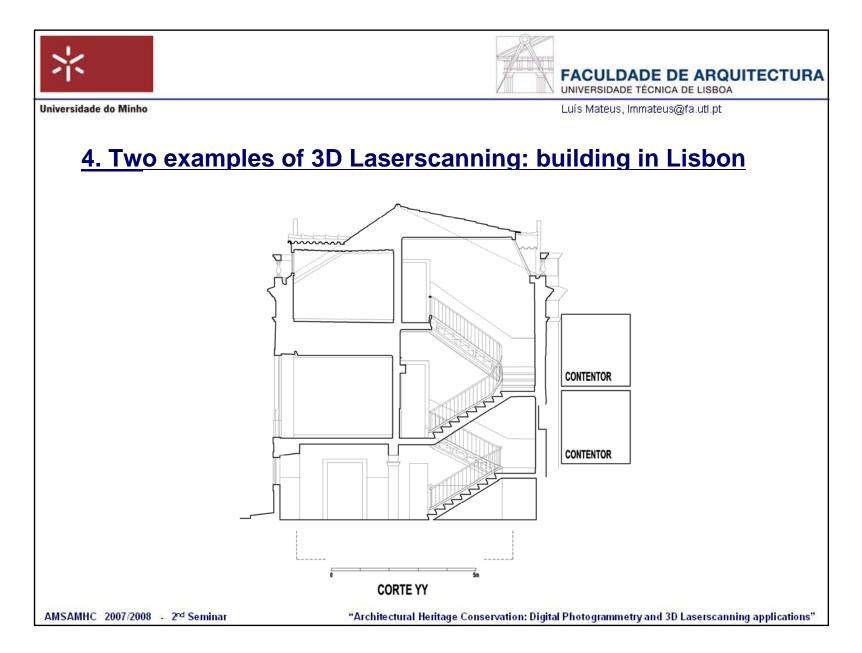


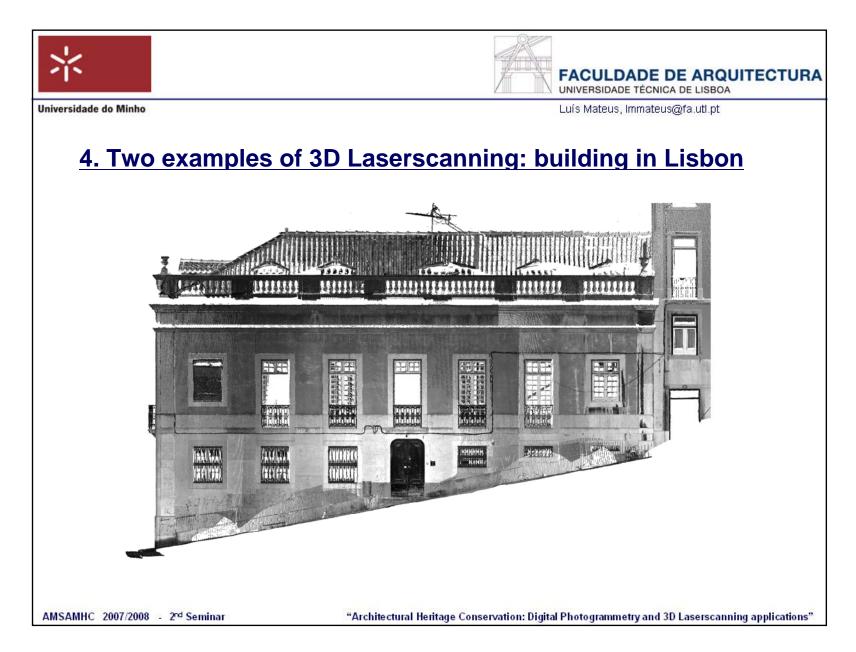


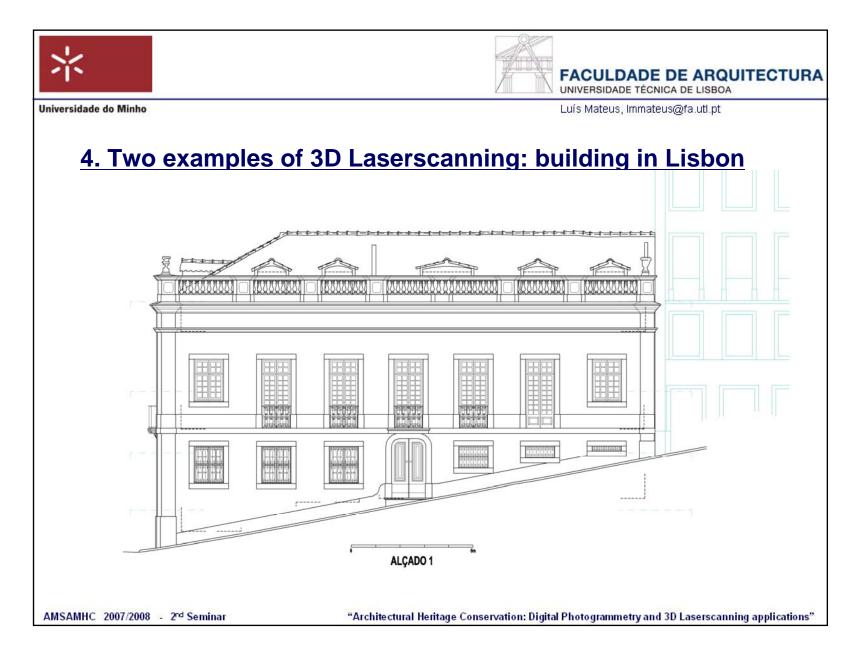


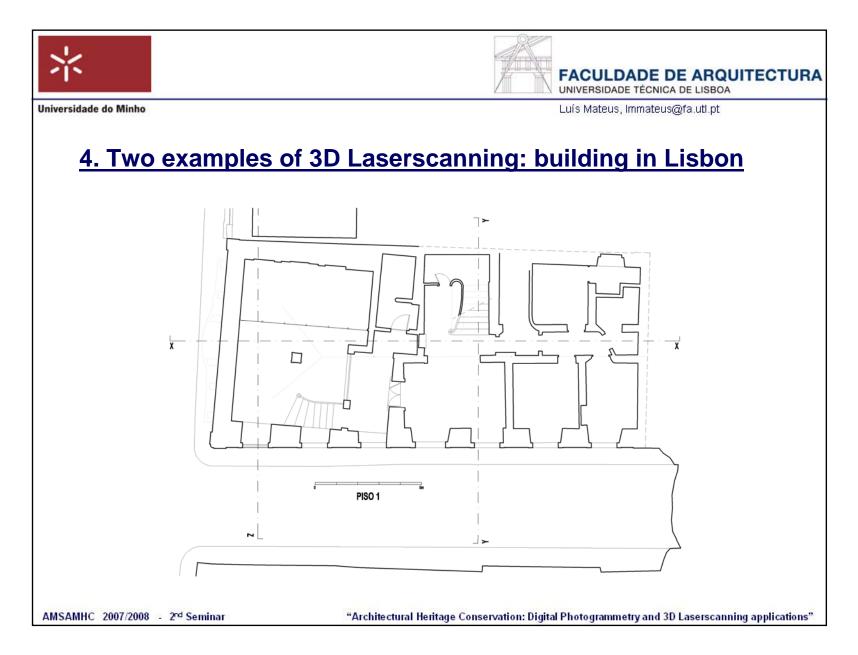


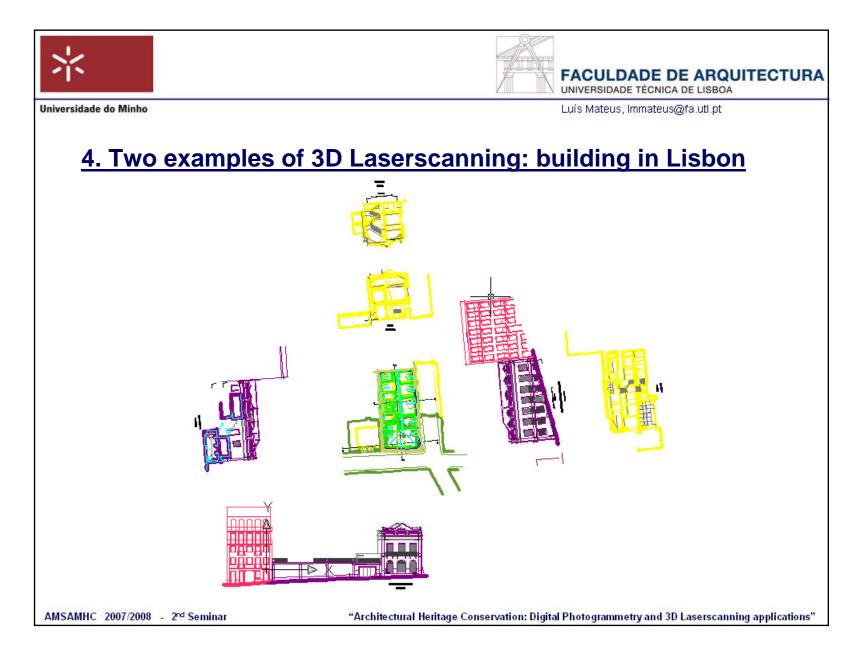




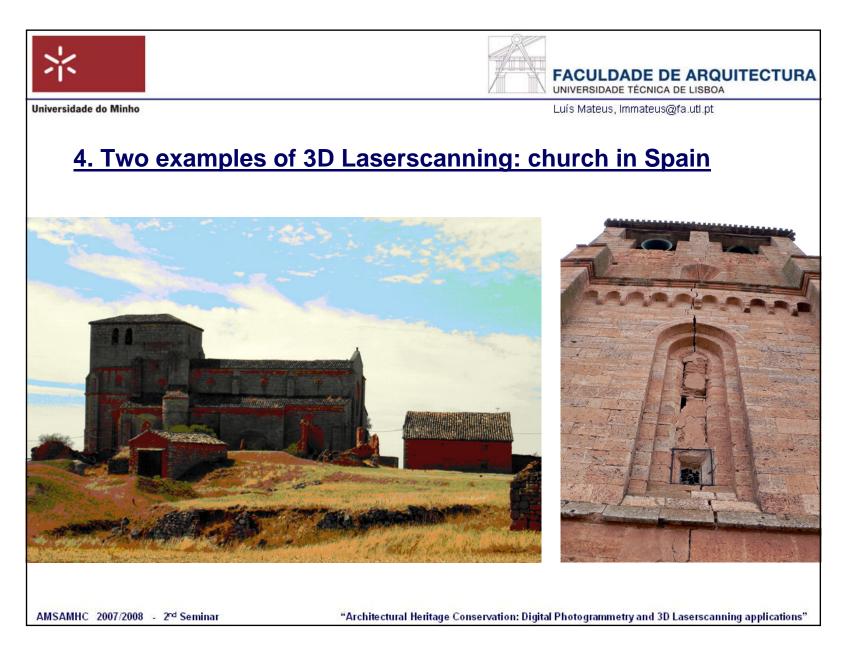


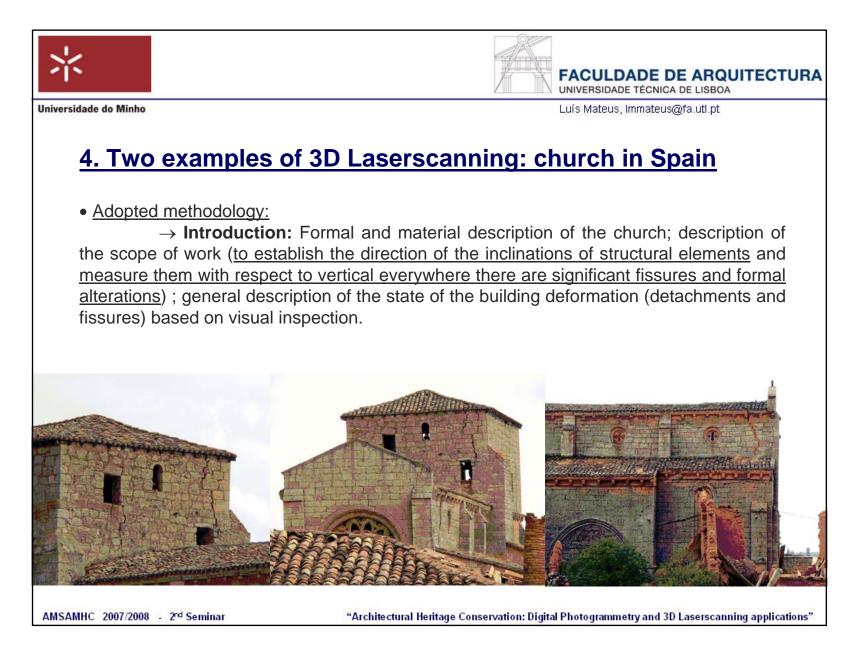


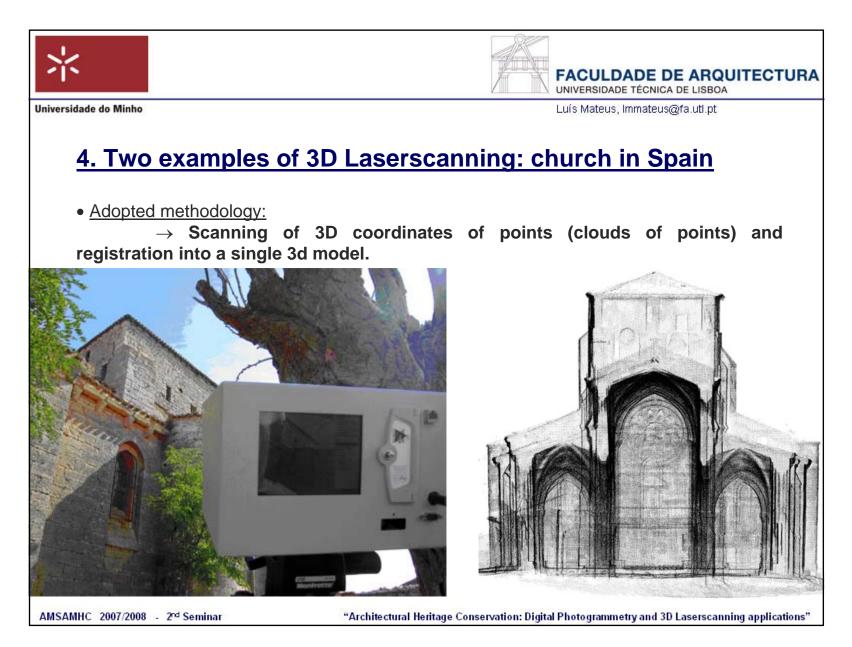


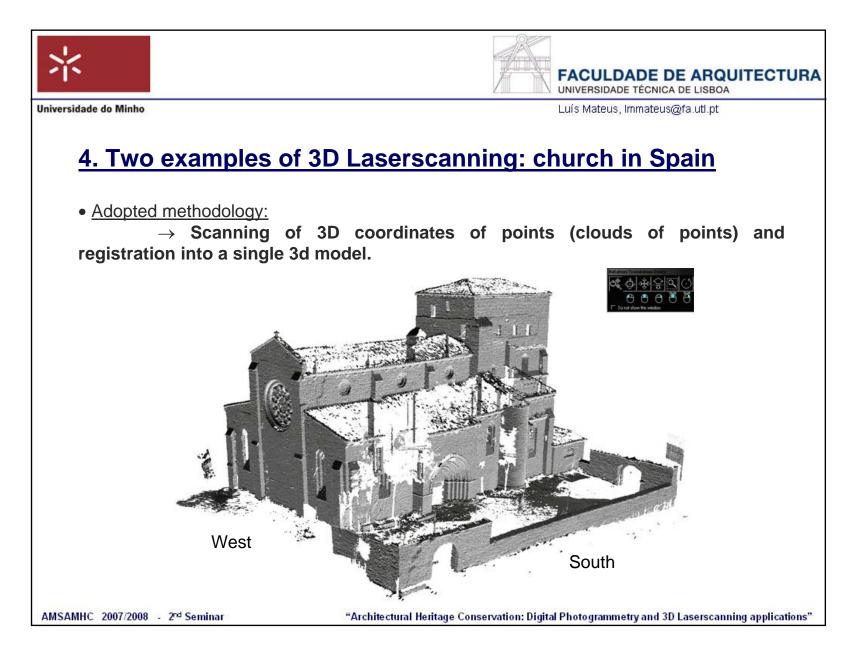


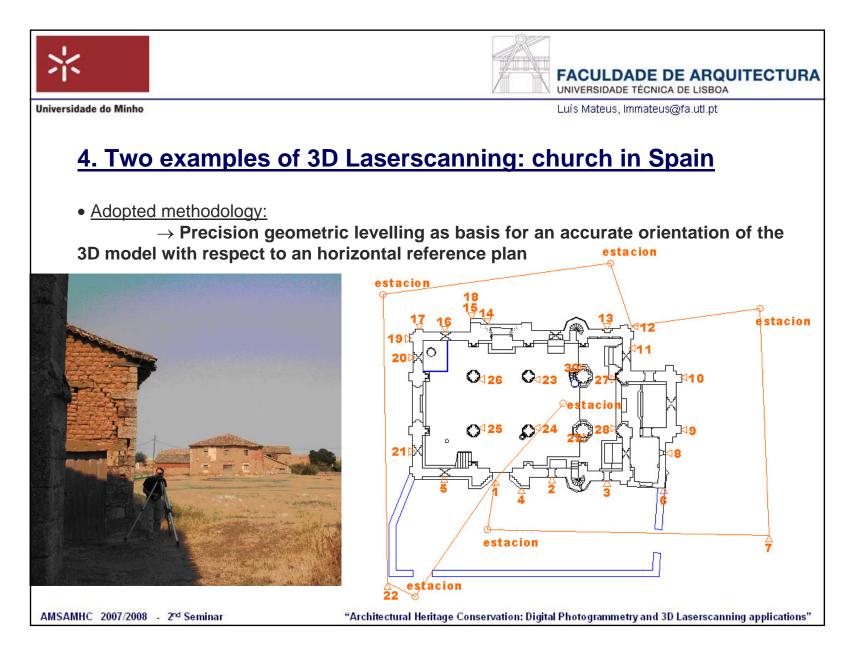


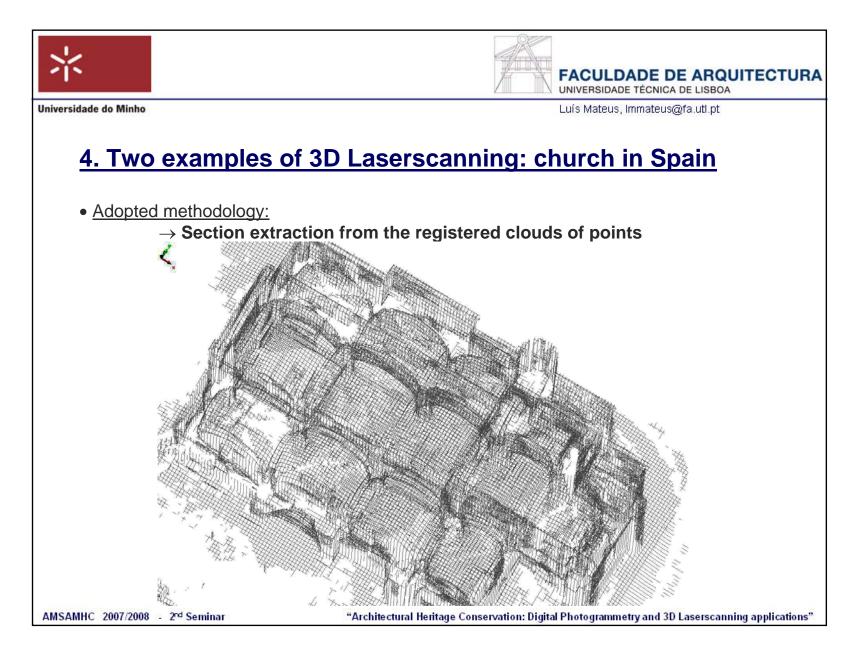


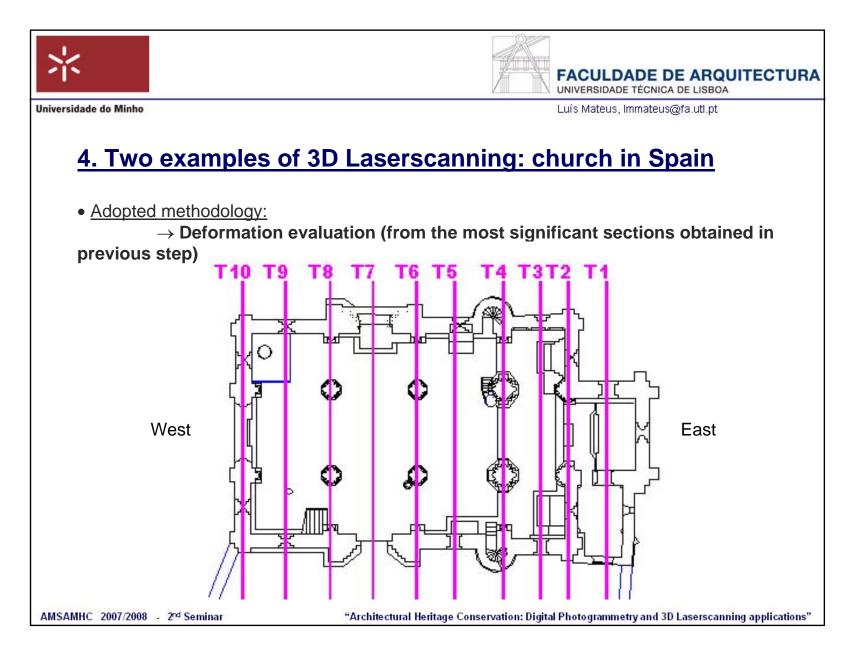


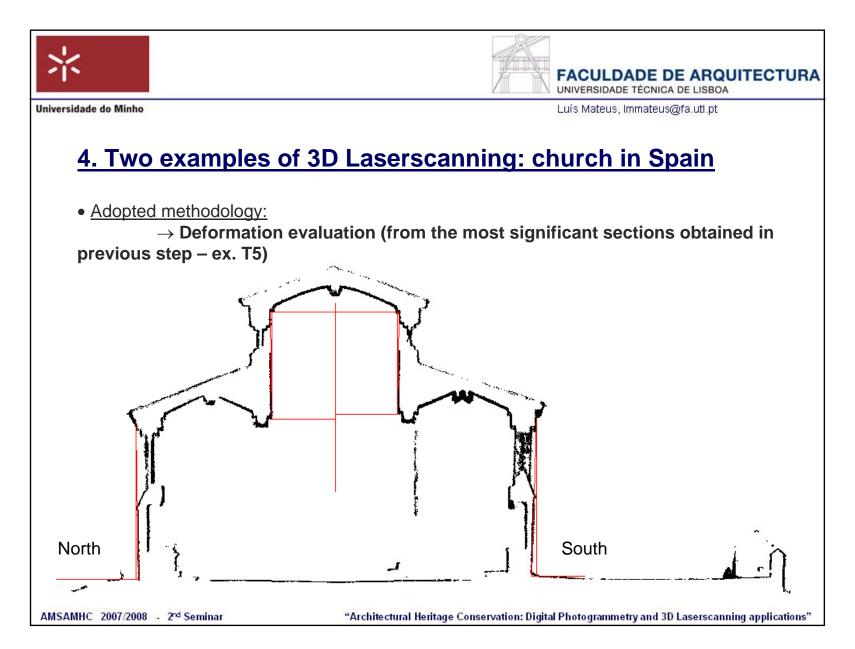


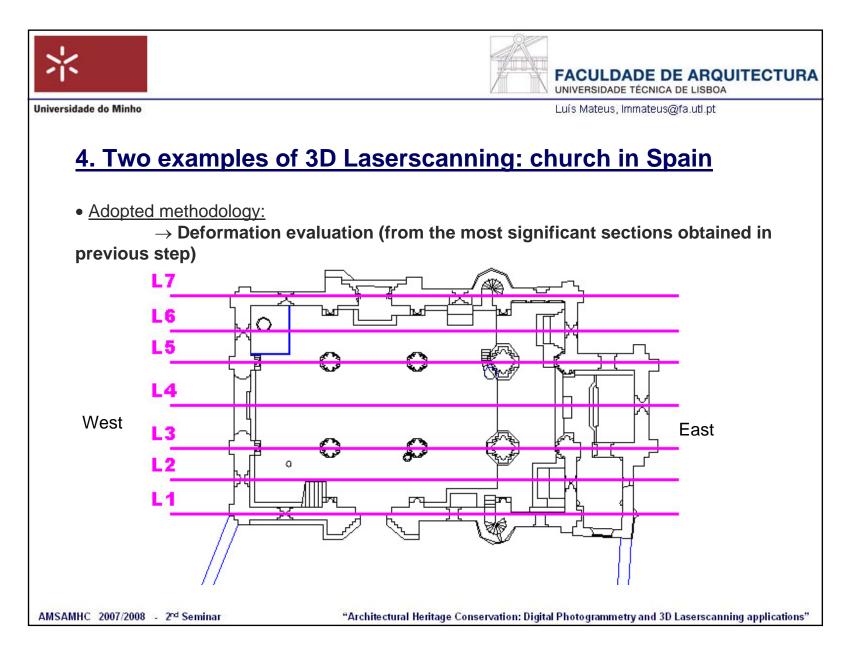


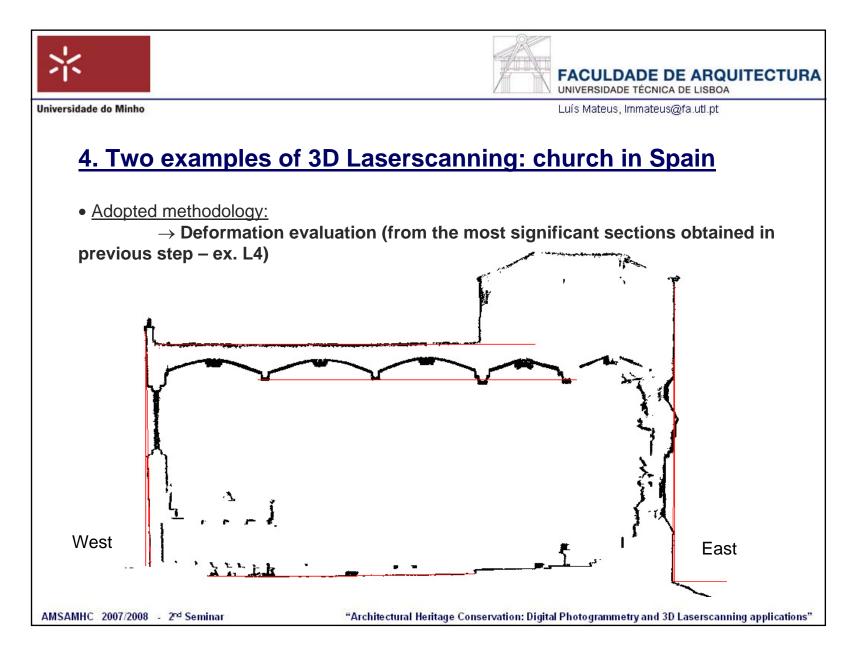


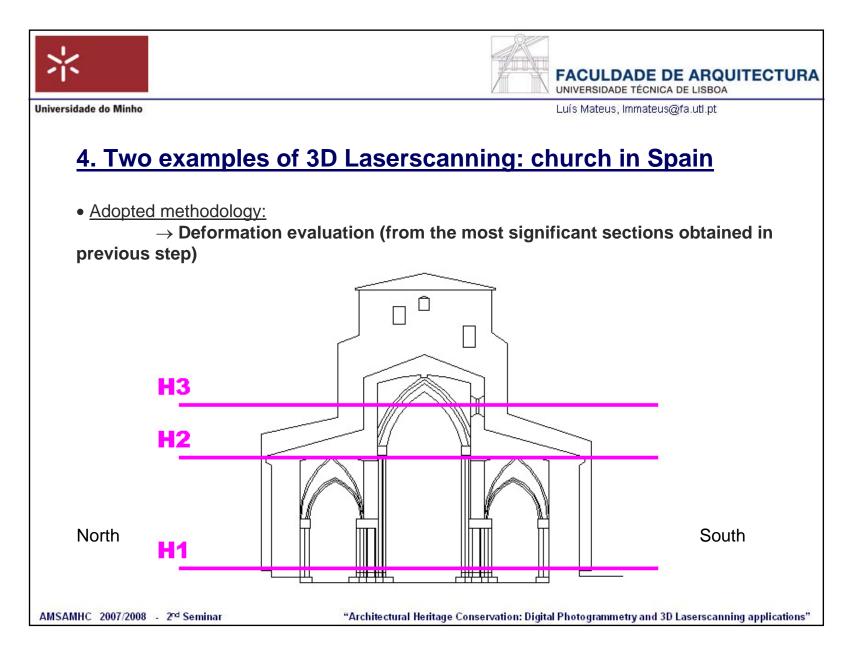


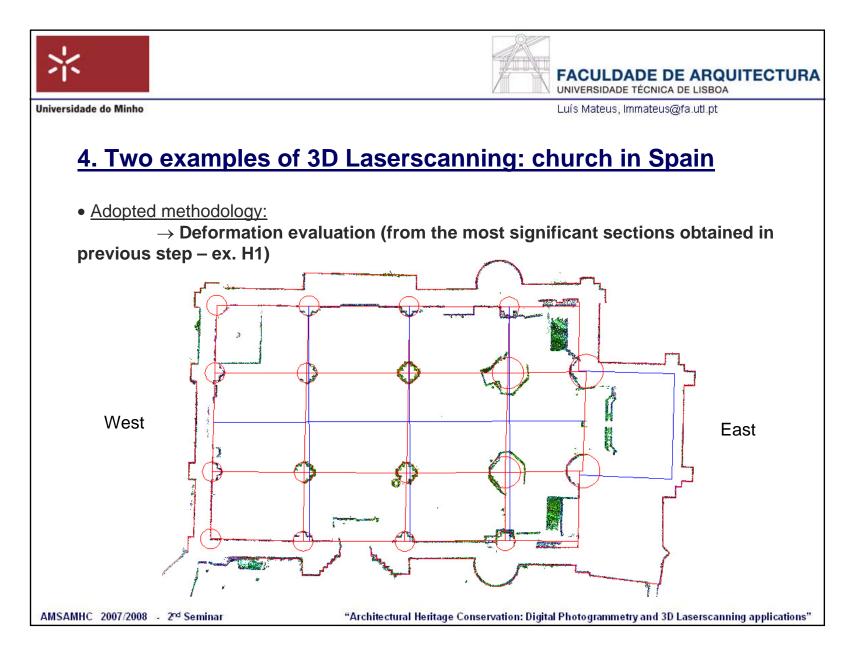


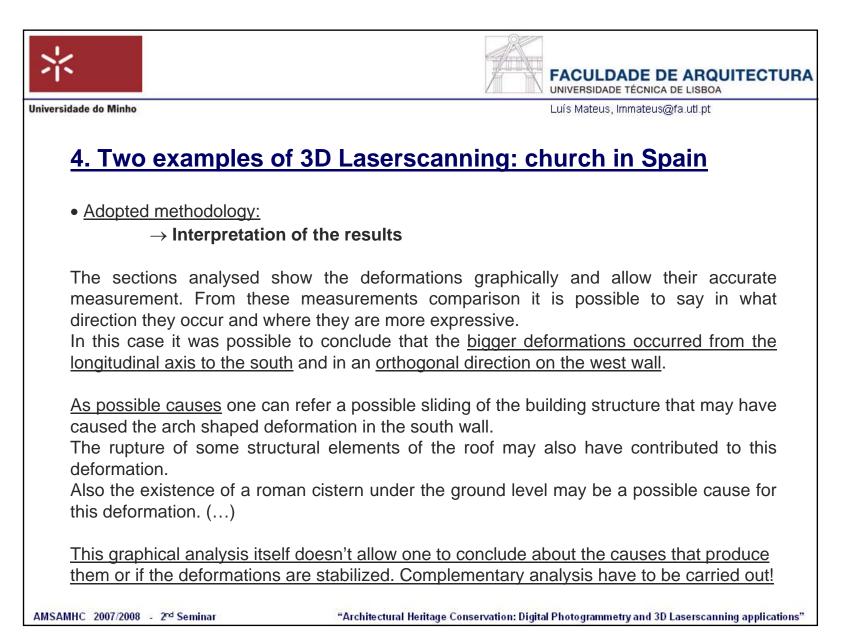


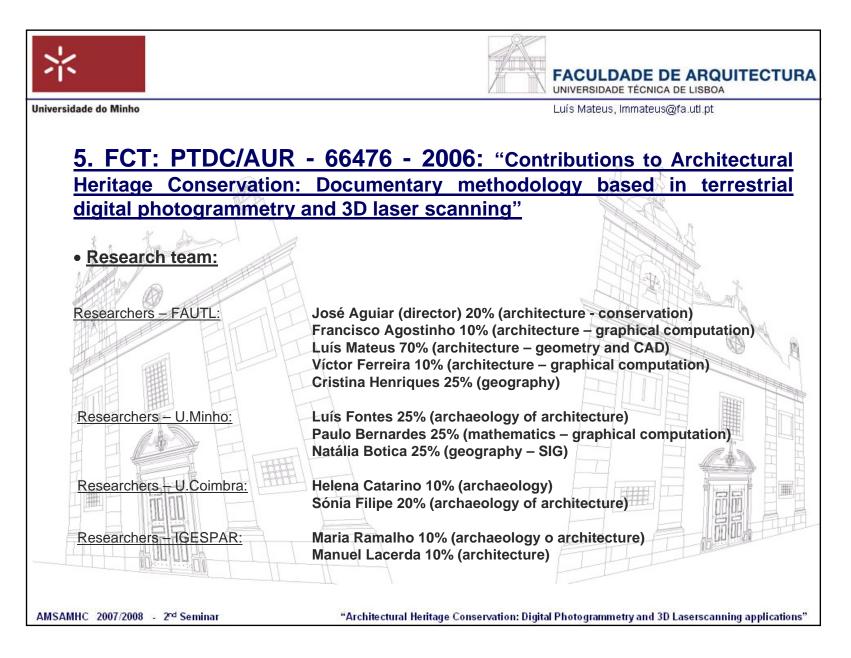


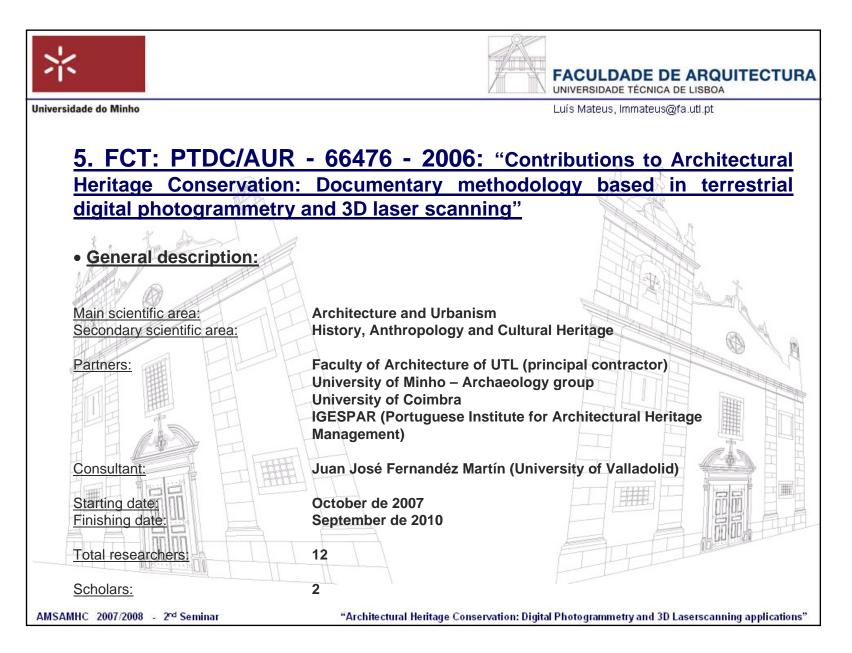




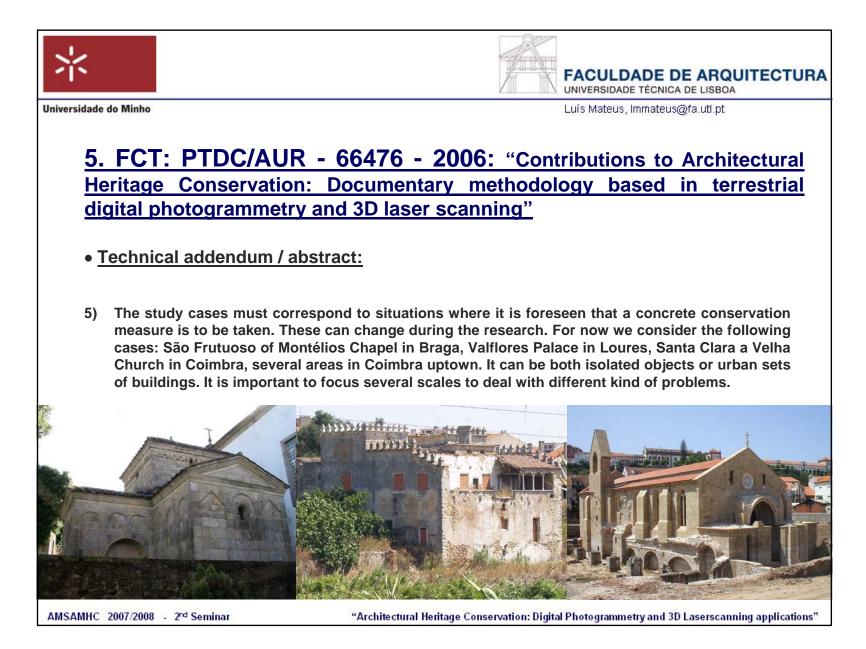




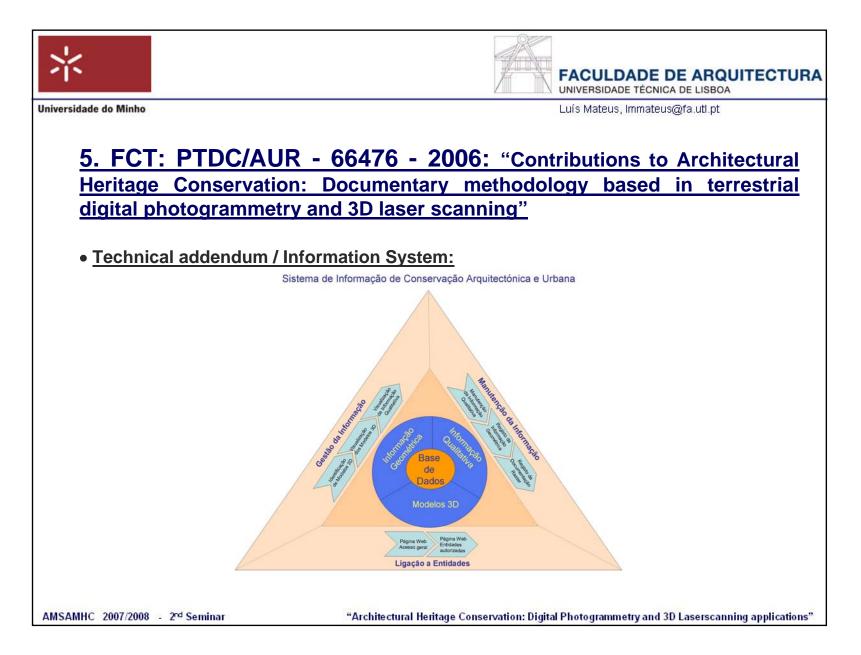


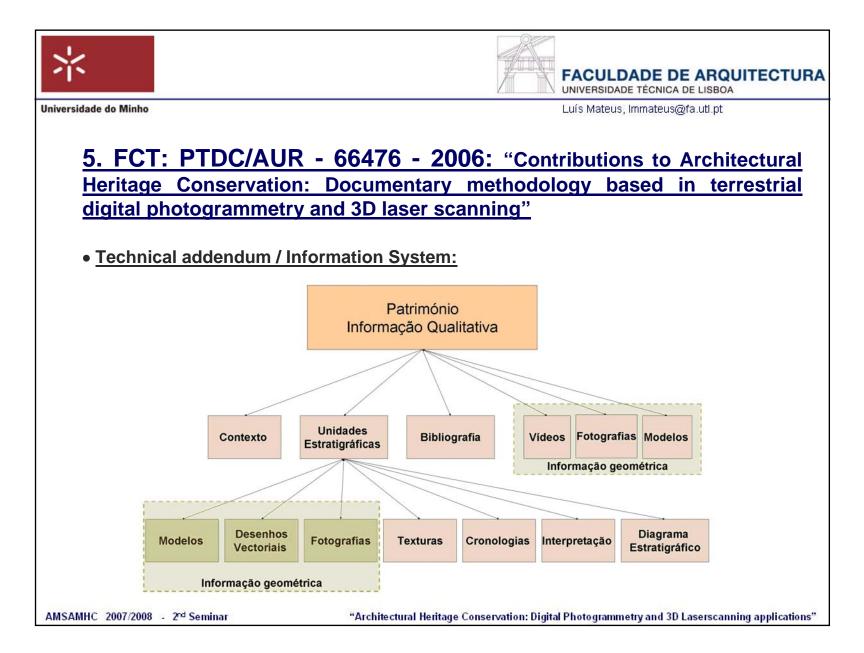


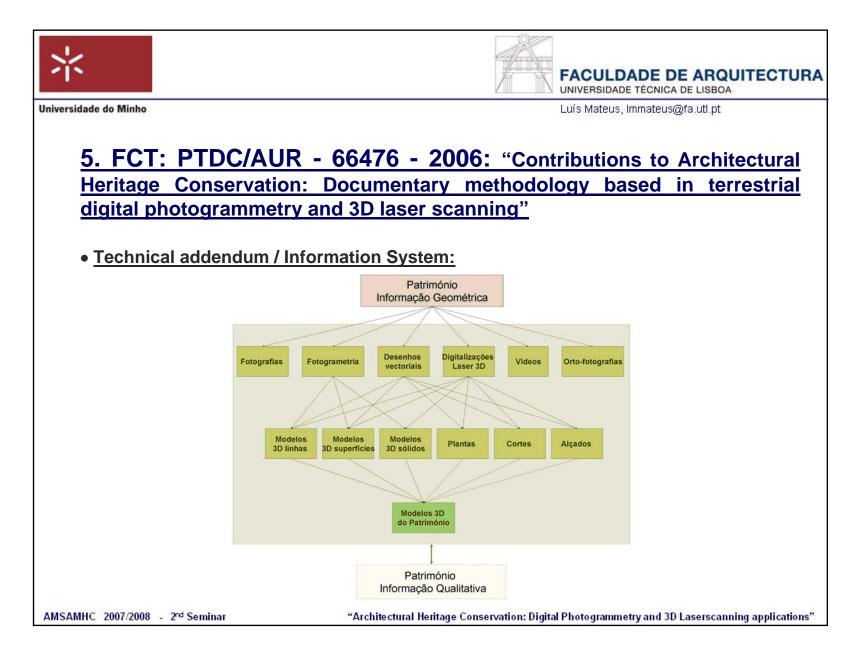
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Universidade do Minho Luís Mateus, Immateus@fa.utl.pt				
5. FCT: PTDC/AUR - 66476 - 2006: "Contributions to Architectural				
Heritage Conservation: Documentary methodology based in terrestrial				
digital photogrammetry and 3D laser scanning"				
The standard				
<u>Technical addendum / abstract:</u>				
1) Within the context of <u>accurate metric information need for rehabilitation or conservation</u> <u>architectural design</u> , comes the idea to investigate documentary processes that support themselves in modern recording techniques and technologies, such as digital photogrammetry				
and 3d laser scanning, both high and low cost.				
2) Once it is a interdisplinary area one tried to organize a <u>research team of multiple resources</u> , from architecture, archaeology, graphic computation, geometry, mathematics, SIG.				
3) It is an investigation about methods and techniques of recording and information management,				
specially pointed out to Architectural Conservation and Rehabilitation. On this sense, its possible				
to complement other information systems more qualitative in nature (such as IPPAR information system)				
4) Living in a time where the change of paradigm is more and more evident, in what concerns how				
data is collected and managed in Architectural Conservation, one will try to <u>establish reference</u> frameworks and guidelines that take into account what are the needs, the technologies available,				
the products to be produced, costs, that can serve as basis for planning conservative actions.				
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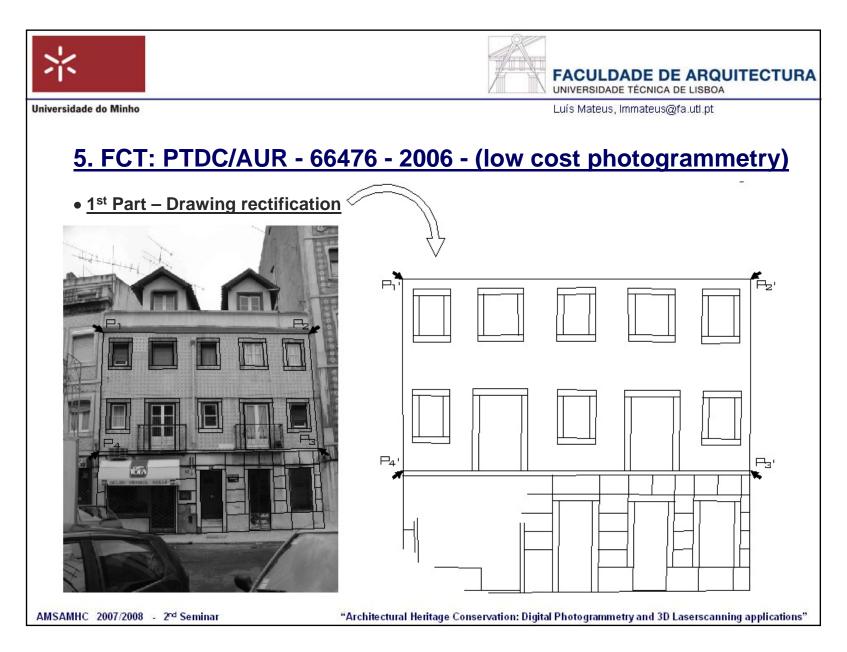


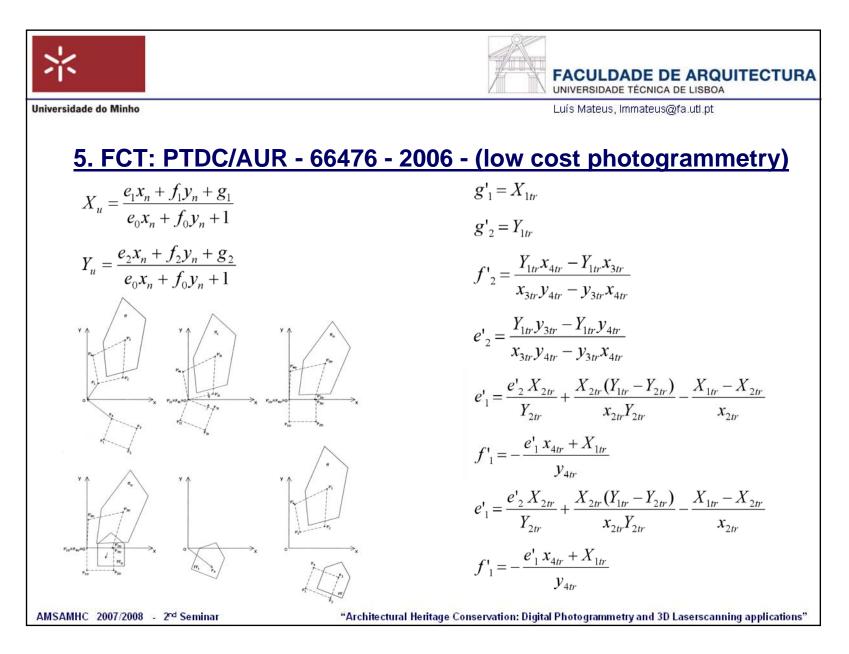
FACULDADE DE ARQUITECTURA UNIVERSIDADE TÉCNICA DE LISBOA			
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E ECT, DTDC/AUD 66476 2006, "Contributions to Anabitastural			
5. FCT: PTDC/AUR - 66476 - 2006: "Contributions to Architectural Heritage Conservation: Documentary methodology based in terrestrial			
digital photogrammetry and 3D laser scanning"			
<u>Technical addendum / objectives:</u>			
1) To create the basis for a minimum system of surveying and documentation of architectural heritage based both in low cost photogrammetry and 3d laser scanning for potential achieving to plans, sections and elevations, or 3d models, to support restoration actions whenever needed.			
2) To explore the possibilities of joint between digital photogrammetry and 3d laser scanning in order to investigate methodological implications both in analysis and diagnosis processes and architectural design process.			
3) To implement an Information System that allows the management of qualitative a geometric data (2D and 3D) about Architectural Heritage. This should serve as base to the implementation of conservative measures, as base to the widespread and study of architectural heritage, and complement other existing Information Systems.			
4) To explore research opportunities that come up in the boundaries of traditional scientific areas.			
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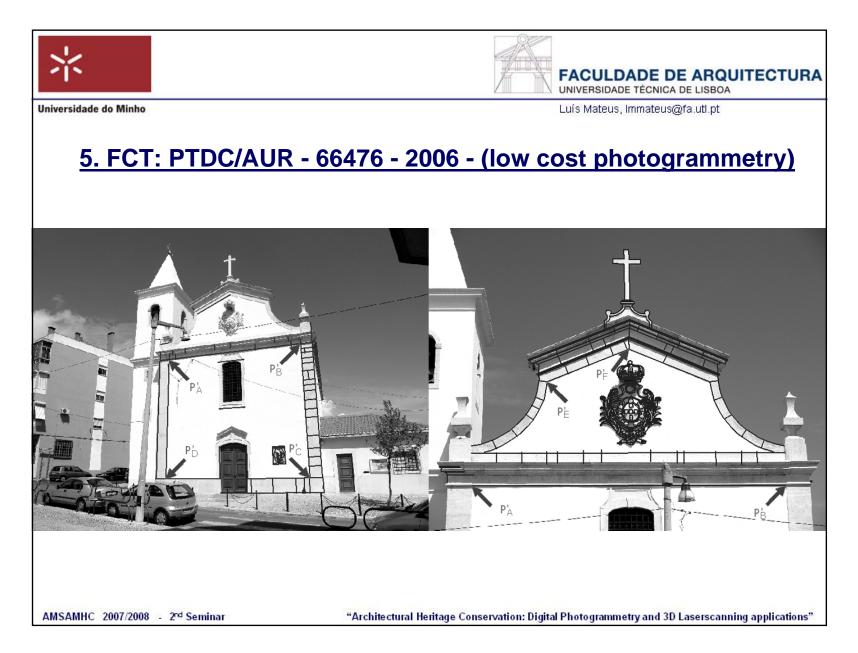


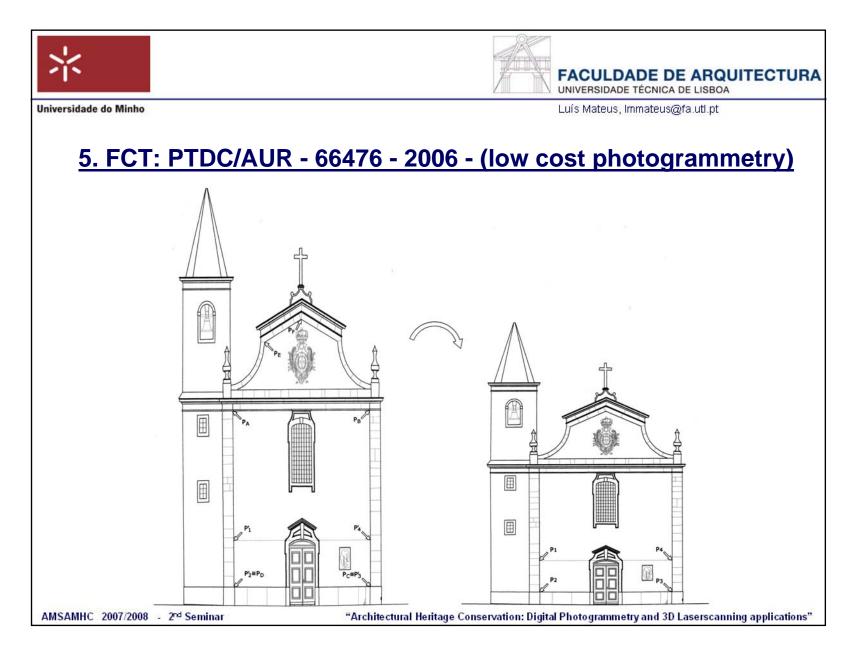


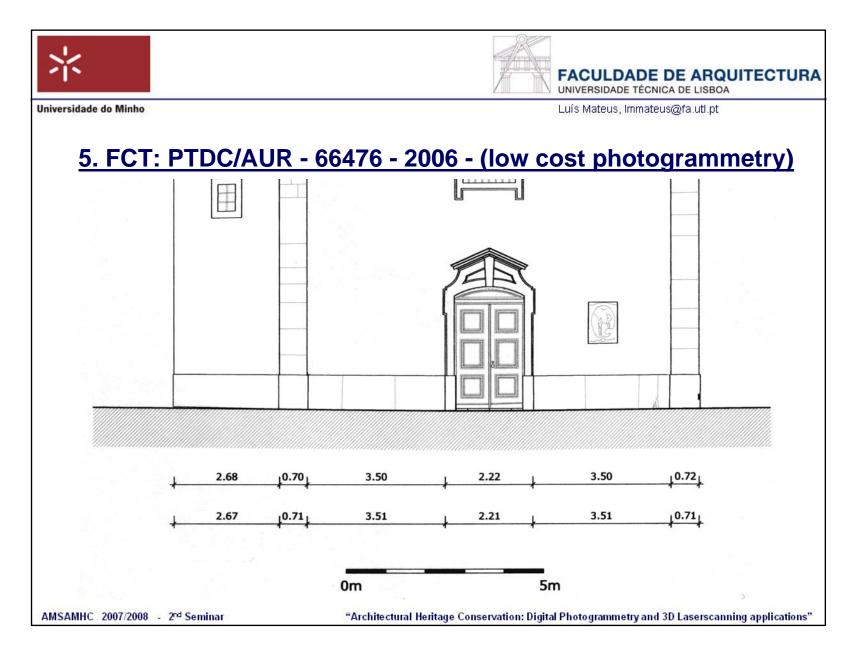


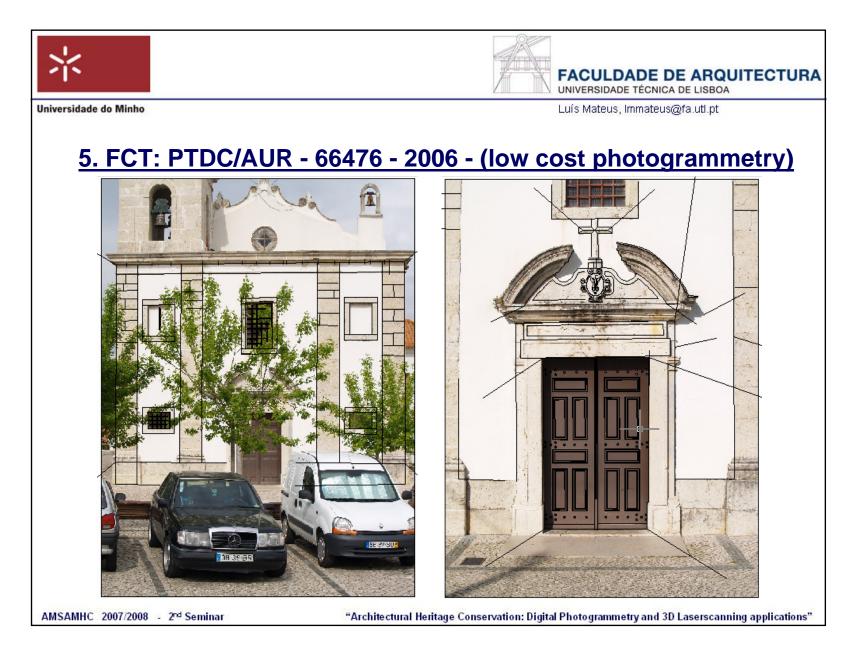


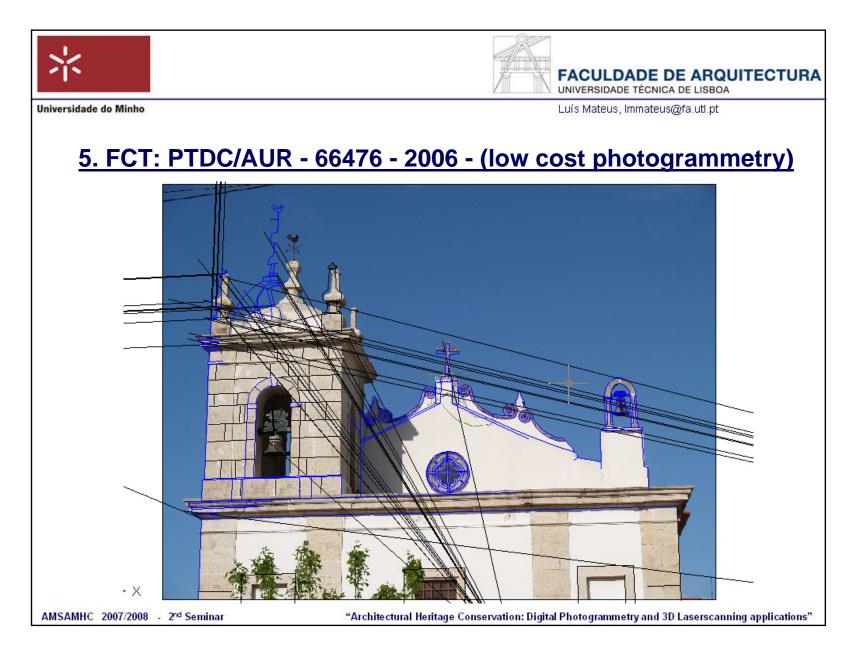
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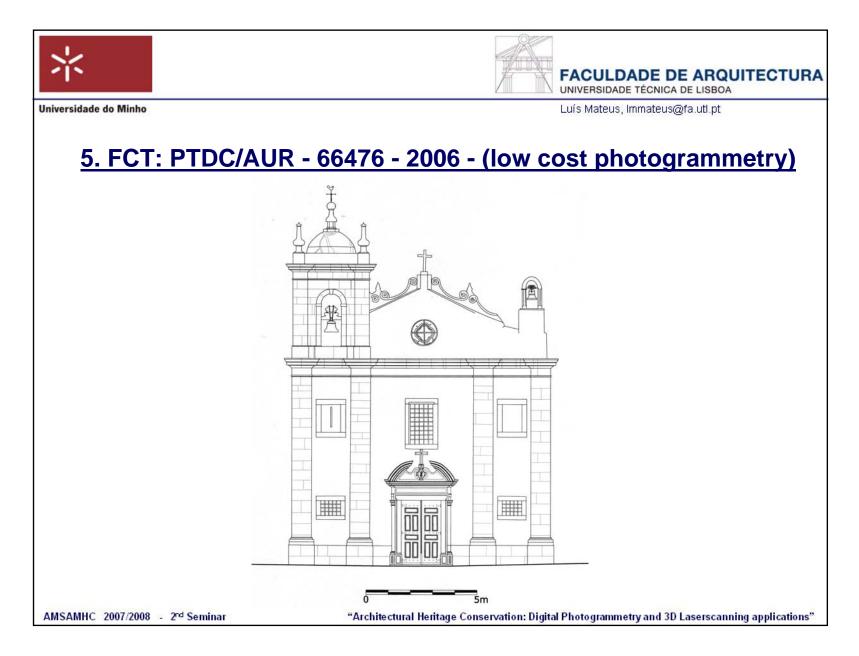


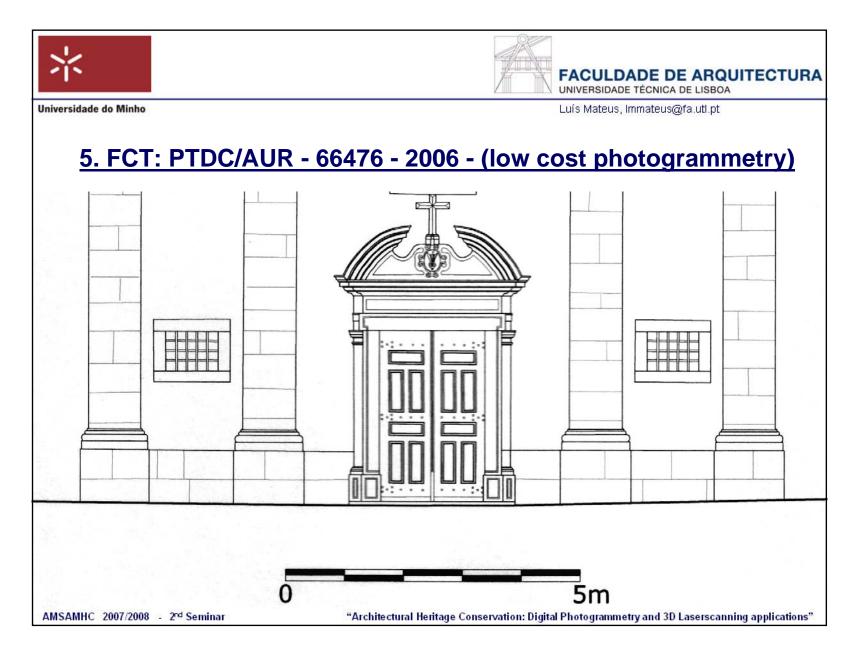


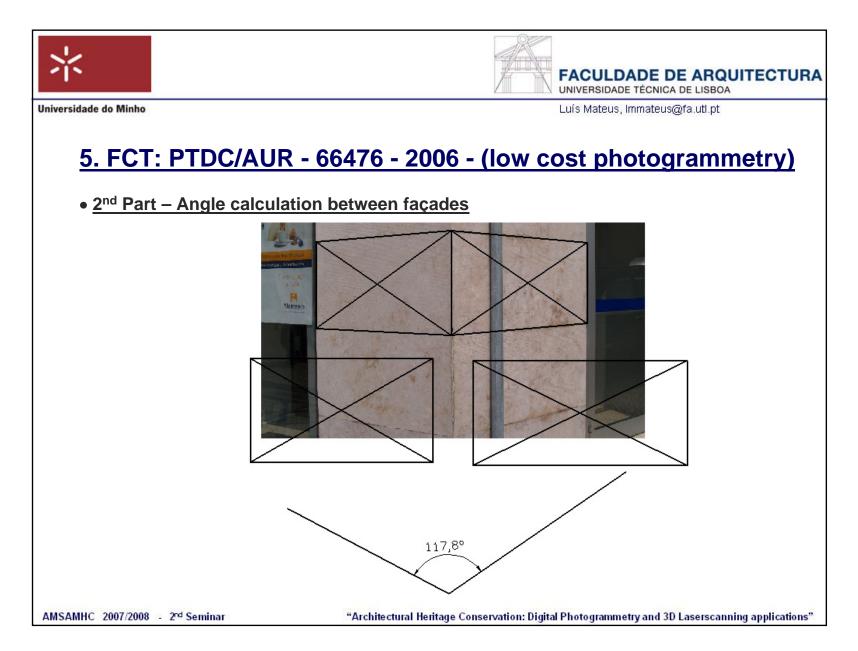


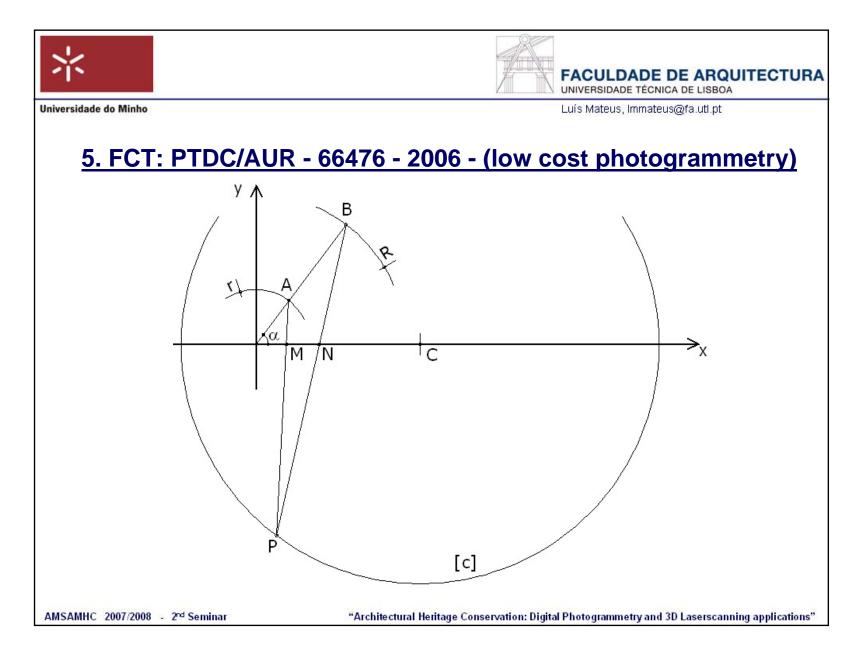


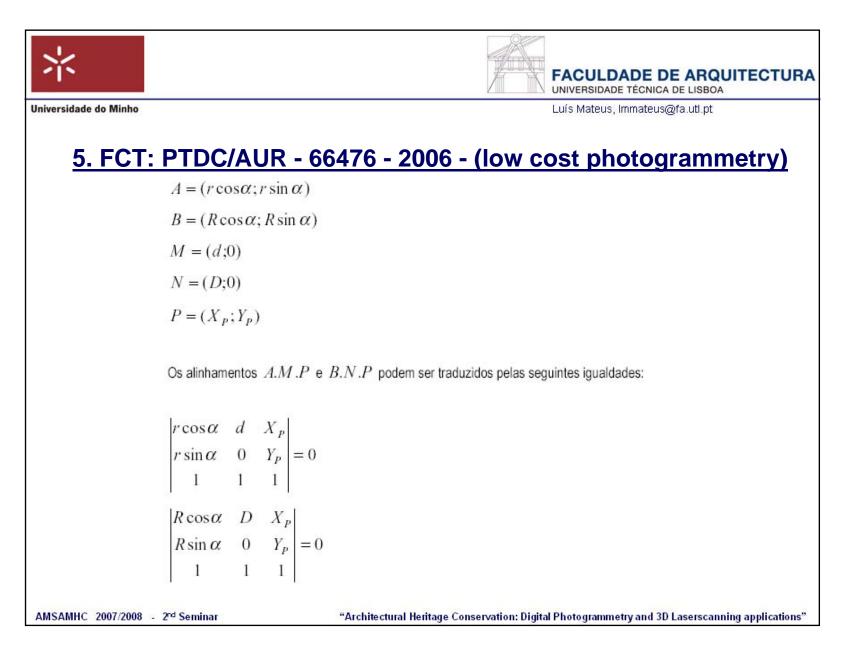


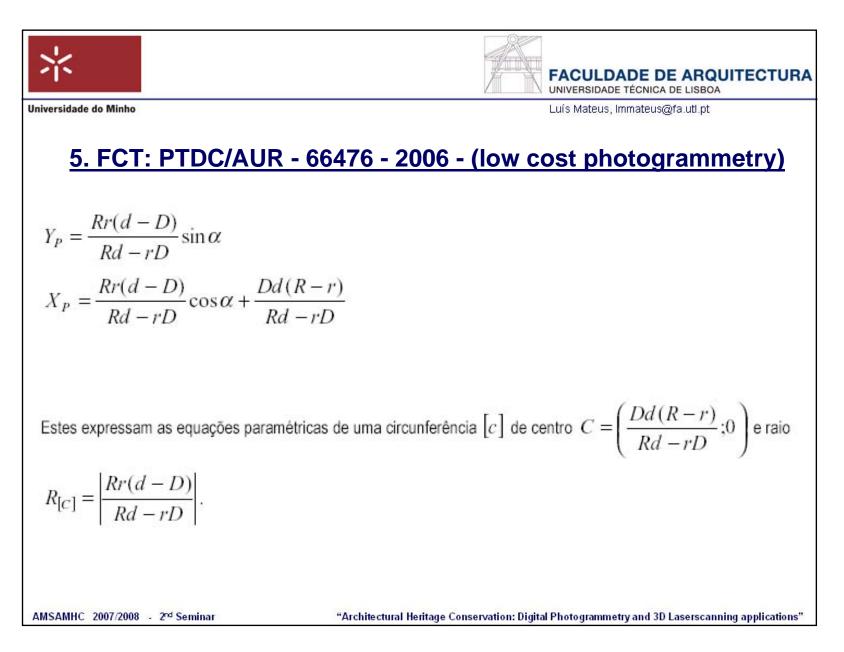


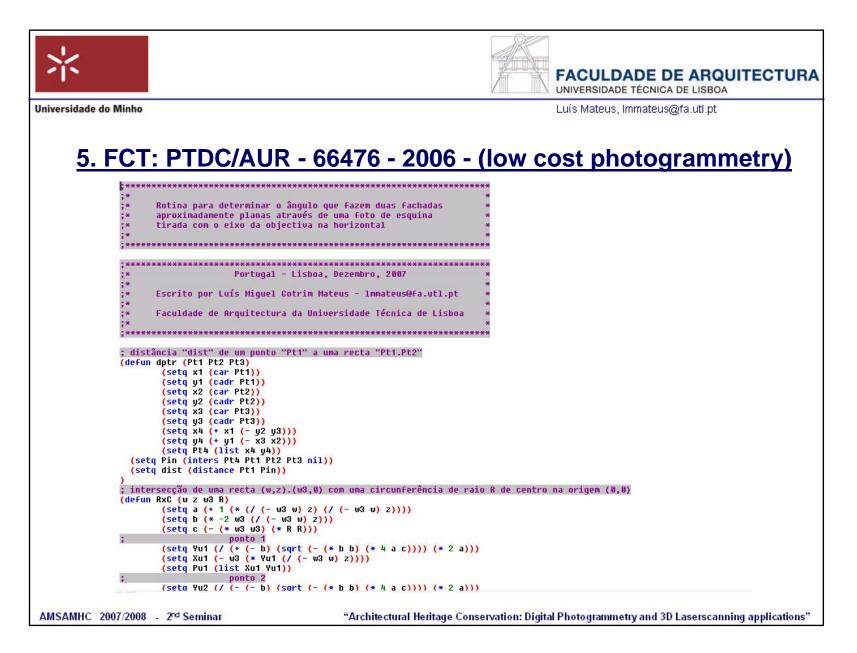


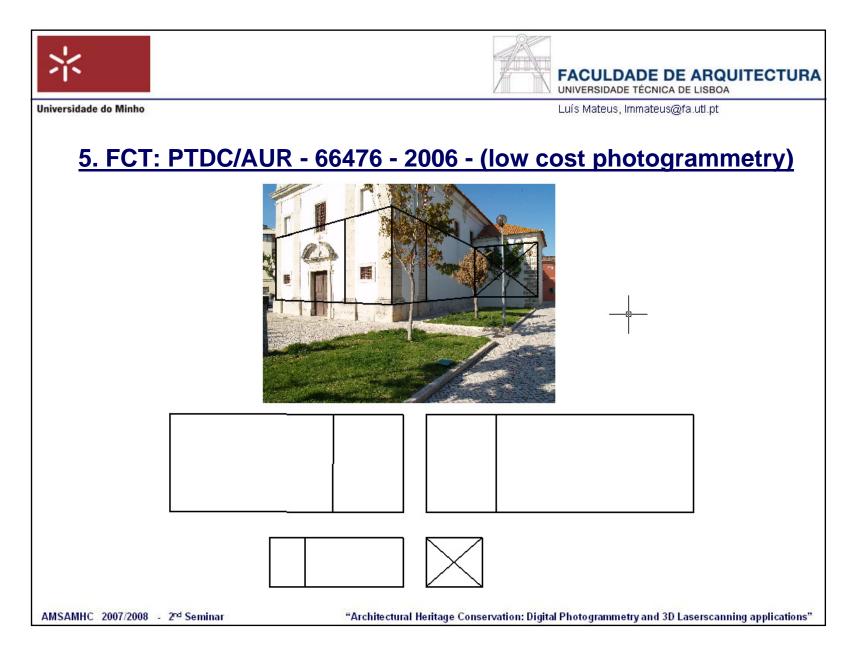


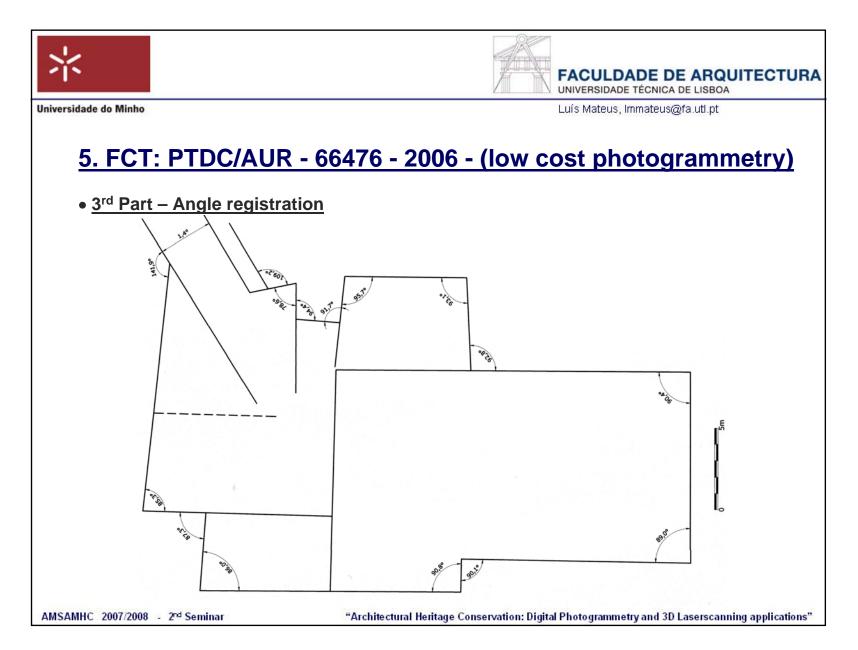


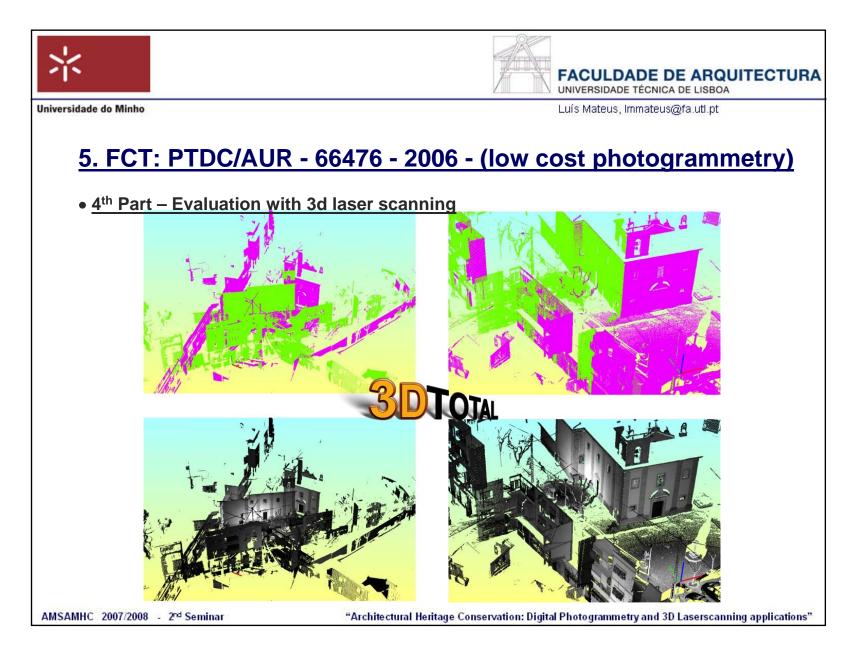


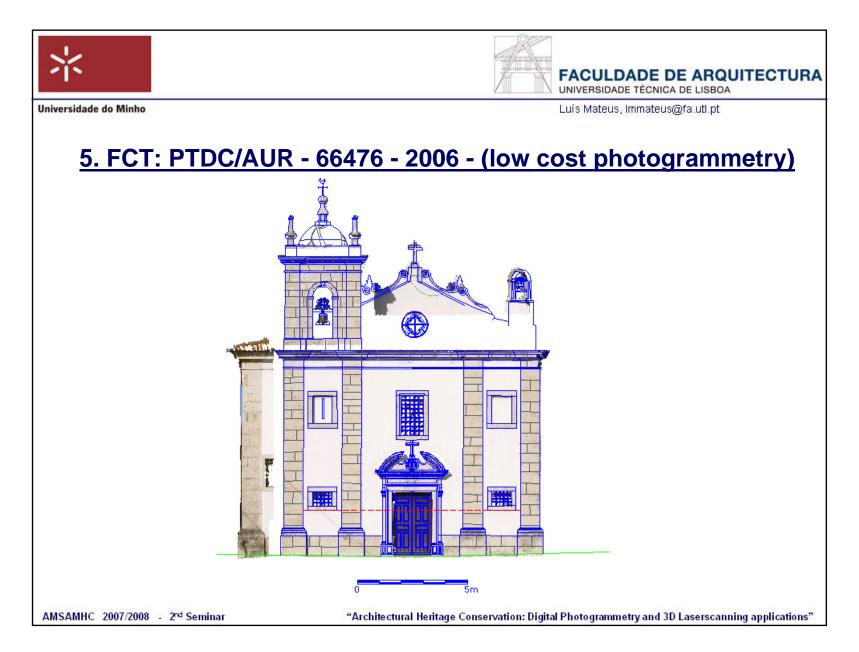


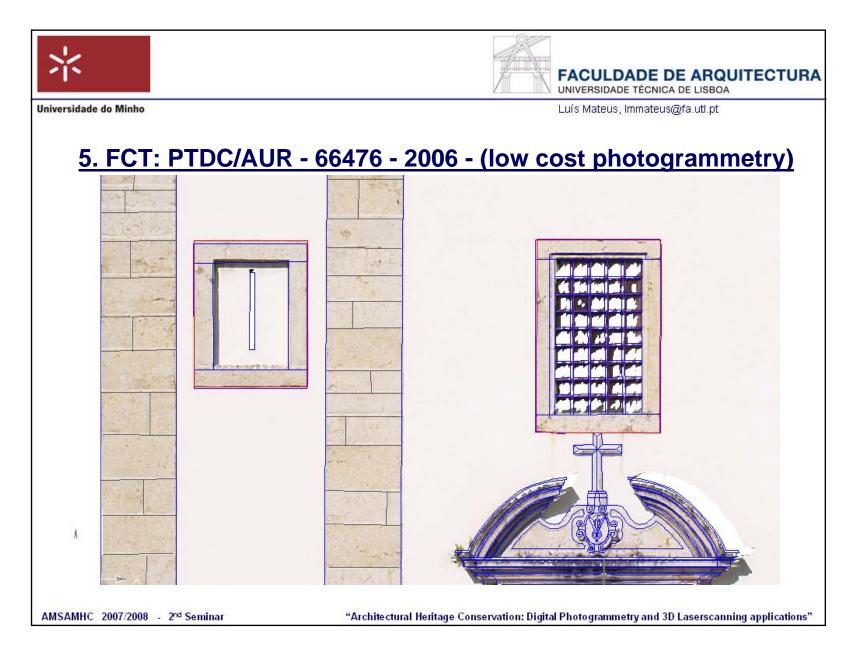


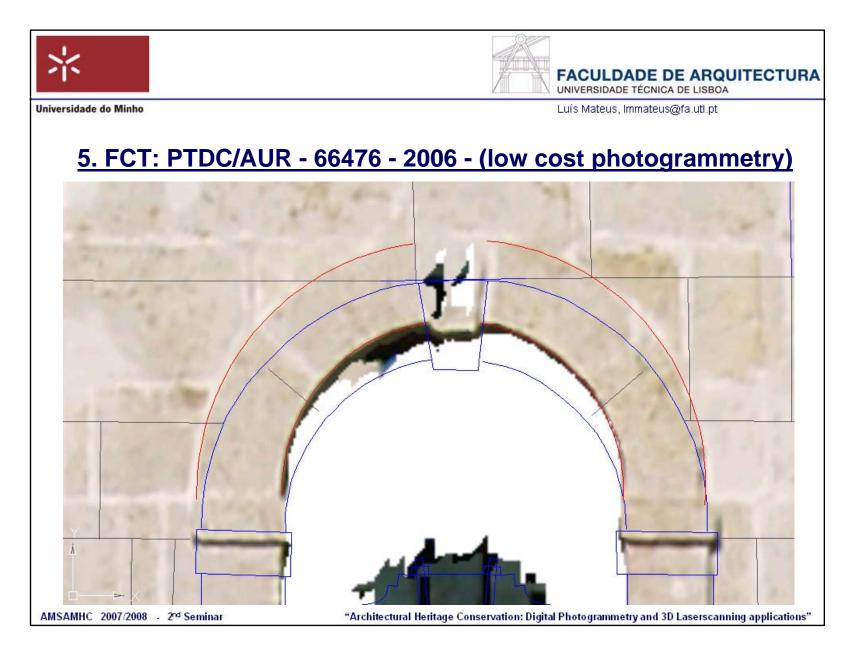


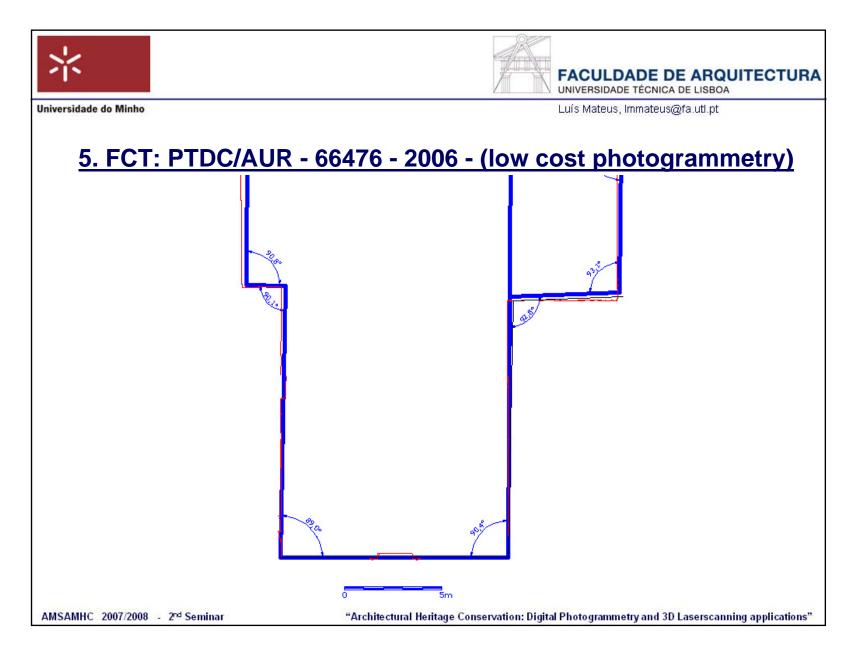


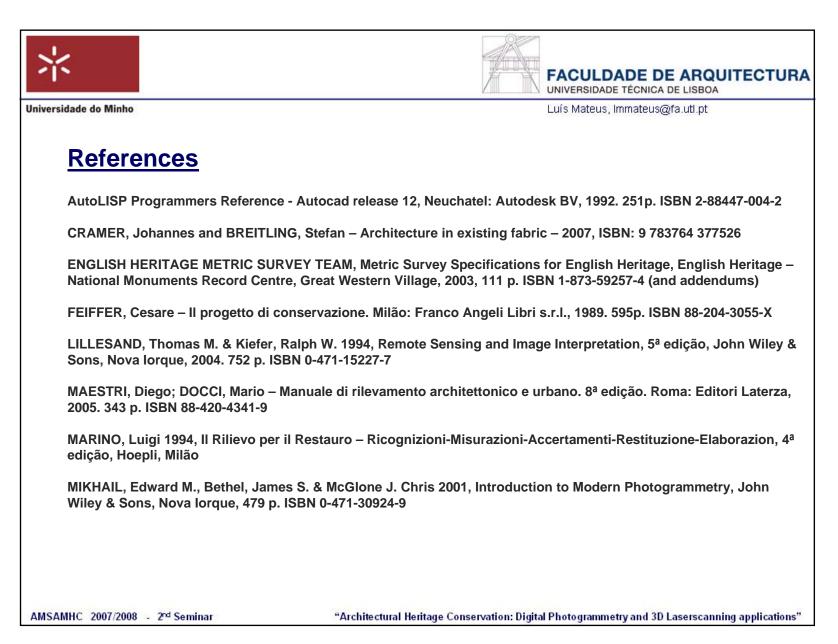












<	FACULDADE DE ARQUITECTURA
sidade do Minho	Luís Mateus, Immateus@fa.utl.pt
References (interne	<u>et)</u>
CIPA: International Committee for D http://cipa.icomos.org/	Ocumentation of Cultural Heritage
DAVAP: Documentación, Análisis y http://www3.uva.es/davap/	Visualización Avanzada del Patrimonio (Universidad de Valladolid)
ISPRS, International Society for Pho http://www.isprs.org/	otogrammetry and Remote Sensing ,2006, in:
ICOMOS, International Charters for http://www.international.icomos.org	<i>Conservation and Restoration</i> , 2006, in: g/home.htm
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Link to some documents referred:	
http://www.fa.utl.pt/~Immateus/ferr_	
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