

# CONTENTS

Greeting by <i>Habiba Sarabi</i> , Governor of Bamiyan. . . . .	.11
Preface ( <i>Michael Petzet</i> ) . . . . .	.13
<b>I THE GIANT BUDDHA STATUES IN BAMIIYAN. . . . .</b>	<b>.17</b>
<i>Catharina Blaensdorf, Michael Petzet</i> Description, History and State of Conservation before the Destruction in 2001. . . . .	.17
<b>II AFGHANISTAN – HERITAGE AT RISK . . . . .</b>	<b>.36</b>
<i>Christian Manhart</i> The Destruction of the Buddha Statues in March 2001 and the First UNESCO Activities. . . . .	.37
<b>III ICOMOS ACTIVITIES 2002–2009 . . . . .</b>	<b>.41</b>
Report 2002 . . . . .	.41
<i>Michael Petzet</i> The first ICOMOS mission to Kabul and Bamiyan (12–21 July 2002) . . . . .	.43
<i>Michael Petzet</i> Anastylosis or Reconstruction – Considerations on a Conservation Concept for the Remains of the Buddhas of Bamiyan (2002) . . . . .	.46
<i>Yazhou Zou, Florian Unold</i> First Considerations on the Stability of the Buddha Niches and their Stone Material . . . . .	.52
Recommendations of the First Expert Working Group on the Preservation of the Bamiyan Site, Munich, 21–22 November 2002 . . . . .	.54
Report 2003 . . . . .	.55
<i>Pierre Smars, Ulrich J. Dahlhaus</i> Mission to Bamiyan, October to December 2003 . . . . .	.60
Recommendations of the Second UNESCO/ICOMOS Expert Working Group on the Preservation of the Bamiyan Site, Munich, 18–20 December 2003. . . . .	.64
Report 2004 . . . . .	.65
<i>Bert Praxenthaler</i> Report on Salvaging Rock Fragments, 2004 . . . . .	.66
Recommendations of the Third Expert Working Group on the Preservation of the Bamiyan Site, Tokyo, 18–20 December 2004. . . . .	.74

Report 2005 . . . . .	.75
<i>Bert Praxenthaler</i> Report on Salvaging Rock Fragments, 2005 . . . . .	.77
<i>Fritz Wenzel</i> Options for an Anastylosis of the Buddha Statues in Bamiyan, 2005 . . . . .	.81
Recommendations of the Fourth Expert Working Group on the Preservation of the Bamiyan Site, Kabul, 7–10 December 2005 . . . . .	.82
Report 2006 . . . . .	.84
<i>Bert Praxenthaler</i> Report on Salvaging Rock Fragments, 2006 . . . . .	.86
<i>Michael Urvat, Jens Aubel</i> A Combined Geological and Paleomagnetic Approach towards the Repositioning of Fragments from the Buddha Statues, 2006 . . . . .	.89
<i>Edwin Fecker</i> Report on Rock Mechanical Aspects Concerning the Eastern Buddha Niche, 2006 . . . . .	103
<i>Georgios Toubekis</i> 3D Laser Scanning and Post-Processing of the Niche of the Eastern Buddha, 2006 . . . . .	117
<i>Michael Jansen</i> Presentation of the Cultural Master Plan Bamiyan (Kabul, 31 July / Bamiyan, 2 August 2006) . . . . .	123
Recommendations of the Fifth Expert Working Group on the Preservation of the Bamiyan Site, Aachen, 14–16 December 2006. . . . .	125
Report 2007 . . . . .	126
<i>Bert Praxenthaler</i> Report on Salvaging Rock Fragments, 2007 . . . . .	127
<i>Michael Urvat</i> Combined Geological and Paleomagnetic Analyses of the Back Plane of the Eastern Buddha Niche, 2007. . . . .	130
Report 2008 . . . . .	134
Recommendations of the Sixth Expert Working Group on the Preservation of the Cultural Landscape and Archaeological Remains of the Bamiyan Valley, NRICPT, Tokyo, 20–21 January 2008. . . . .	134
Recommendations of the Seventh Expert Working Group on the Preservation of the Cultural Landscape and Archaeological Remains of the Bamiyan Valley, Munich, 12–13 June 2008 . . . . .	135
<i>Bert Praxenthaler</i> Report on Safeguarding the Remains of the Buddha Statues, 2008 . . . . .	137
<i>Edwin Fecker</i> Report on Preservation Measures in the Eastern Buddha Niche, 2008 . . . . .	145

Report 2009 . . . . .	159
<i>Erwin Emmerling</i>	
Conservation Concept for the Relief of the Eastern Giant Buddha and the Back Wall . . . . .	160
<i>Michael Petzet</i>	
Six Additional Tasks for 2009/2010. . . . .	160
<i>Bert Praxenthaler</i>	
Report on Safeguarding the Remains of the Buddha Statues, 2009 . . . . .	163
<i>Edwin Fecker</i>	
Report on Stabilisation Measures in the Eastern Buddha Niche, 2009 . . . . .	170
<i>Claudio Margottini</i>	
<b>IV THE CONSOLIDATION AND STABILIZATION OF THE BUDDHA NICHE AND THE CLIFF IN BAMİYAN (2003/04; 2006) . . . . .</b>	<b>175</b>
<b>V THE MUNICH RESEARCH PROJECT ON FRAGMENTS OF THE GIANT BUDDHAS OF BAMİYAN (2007-2009) . . . . .</b>	
<b>197</b>	
Introduction ( <i>Catharina Blänsdorf</i> ) . . . . .	197
<i>Catharina Blänsdorf, Edmund Melzl</i>	
Technique of Modelling the Buddha Statues . . . . .	201
<i>Catharina Blänsdorf, Stephanie Pfeffer, Edmund Melzl</i>	
Identification of Wood Species . . . . .	215
<i>Stephanie Pfeffer, Catharina Blänsdorf</i>	
Materials Made of Plant Fibres: Ropes and Textile Fragment. . . . .	217
<i>H. Albert Gilg, Catharina Blänsdorf, Eva Höfle, Laura Thiemann</i>	
Mineralogical Investigations on Loam Plaster Fragments of the Destroyed Buddha Statues at Bāmiyān, Afghanistan . . . . .	219
<i>Stephanie Pfeffer, Catharina Blänsdorf</i>	
Organic Additives of the Clay Layers: Plant Materials . . . . .	227
<i>Jan-Eric Grunwald</i>	
Organic Additives of the Clay Layers: Hair Identification . . . . .	229
<i>Catharina Blänsdorf, Marie-Josée Nadeau, Pieter. M. Grootes, C. Matthias Hüls, Stephanie Pfeffer, Laura Thiemann</i>	
Dating of the Buddha Statues – AMS 14C Dating of Organic Materials . . . . .	231
<i>Catharina Blänsdorf, Stephanie Pfeffer, Edmund Melzl</i>	
The Polychromy of the Giant Buddha Statues in Bāmiyān. . . . .	237
<i>Ilaria Bonaduce, Marcello Cito, Maria Perla Colombini, Anna Lluveras</i>	
The Characterisation of the Organic Binders . . . . .	265