## **Contents**

Preface

11	INTRODUCTION
	LAC2010: First International Landscape Archaeology Conference Sjoerd Kluiving, Erika Guttmann-Bond
	THEME 1 HOW DID LANDSCAPE CHANGE?
33	1.1 Cultural Landscapes of Seusamora in Eastern Georgia Irina Demetradze, Guram Kipiani
45	1.2 Irrigation and landscape: An interdisciplinary approach Maurits Ertsen
59	1.3 Principles of preservation and recalling of memory traces in an industrial landscape: A case study of decayed monument recreation in the brown-coal mining area of Bílina, Czech Republic Tomáš Hájek, Barbora Matáková, Kristina Langarová, Ondřej Přerovský
71	1.4 Cultural forces in the creation of landscapes of south-eastern Rhodope: Evolution of the Byzantine monastic landscape Maria Kampa, I. Ispikoudis
81	1.5 The change analysis of the green spaces of the Historical Peninsula in Istanbul, Turkey Nilüfer Kart Aktaş
97	1.6 The evolution of an agrarian landscape. Methodological proposals for the archaeological study of the alluvial plain of Medellin (Guadiana basin, Spain) Victorino Mayoral, Francisco Borja Barrera, César Borja Barrera, José Ángel Martínez del Pozo, Maite de Tena
115	1.7 Talking ruins: The legacy of baroque garden design in Manor Parks of Estonia Sulev Nurme, Nele Nutt, Mart Hiobb, Daniel Baldwin Hess
127	1.8 Configuring the landscape: Roman mining in the conventus Asturum (NW Hispania) Guillermo Reher, Lourdes López-Merino, F. Javier Sánchez-Palencia, J. Antonio López-Sáez
5	

- 1.9 English town commons and changing landscapes
  Nicky Smith
- 1.10 From feature fetish to a landscape perspective: A change of perception in the research of pingo scars in the late Pleistocene landscape in the Northern Netherlands
   Inger Woltinge

# THEME II IMPROVING TEMPORAL, CHRONOLOGICAL AND TRANSFORMATIONAL FRAMEWORKS

2.1 Pre-industrial Charcoal Production in southern Brandenburg and its impact on the environment

Horst Rösler, Eberhard Bönisch, Franz Schopper, Thomas Raab, Alexandra Raab

- 179 2.2 Landscape transformations in North Coastal Etruria Marinella Pasquinucci, Simonetta Menchelli
- 2.3 Can the period of Dolmens construction be seen in the pollen record? Pollen analytical investigations of Holocene settlement and vegetation history in the Westensee area, Schleswig-Holstein, Germany
  Mykola Sadovnik, H.-R. Bork, M.-J. Nadeau, O. Nelle
- 2.4 Geo- and Landscape archaeological investigations in south-western Lazio (Italy): An approach for the identification of man-made landscape transformation processes in the hinterland of Rome Michael Teichmann, Hans-Rudolf Bork
- 2.5 The medieval territory of Brussels: A dynamic landscape of urbanisation Bram Vannieuwenhuyze, Paulo Charruadas, Yannick Devos, Luc Vrydaghs

### THEME III LINKING LANDSCAPES OF LOWLANDS TO MOUNTAINOUS AREAS

- 3.1 A qualitative model for the effect of upstream land use on downstream water availability in a
   western Andean valley, southern Peru
   Ralf Hesse, Jussi Baade
- 249 3.2 Connecting lowlands and uplands: An ethno-archaeological approach to transhumant pastoralism in Sardinia (Italy)Antoine Mientjes

265 3.3 The prehistoric peopling process in the Holocene landscape of the Grosseto area:

How to manage uncertainty and the quest for ancient shorelines

Giovanna Pizziolo

#### THEME IV APPLYING CONCEPTS OF SCALE

- 4.1 Landscape scale and human mobility: Geoarchaeological evidence from Rutherfords Creek,
   New South Wales, Australia
   Simon Holdaway, Matthew Douglass, Patricia Fanning
- 4.2 Surface contra subsurface assemblages: Two archaeological case studies from Thesprotia,GreeceBjörn Forsén, Jeannette Forsén

#### THEME V NEW DIRECTIONS IN DIGITAL PROSPECTION AND MODELLING TECHNIQUES

- 5.1 Biting off more than we can chew? The current and future role of digital techniques in landscape archaeologyPhilip Verhagen
- 5.2 Using Google Earth and GIS to survey in the Peruvian Andes
  Laure Déodat, Patrice Lecocq
- The occupation of the Antequera Depression (Malaga, Spain) through the Ist millennium BC:
   A geographical and archaeological perspective into Romanisation
   Maria del Carmen Moreno Escobar
- 5.4 Mapping the probability of settlement location for the Malia-Lasithi region (Crete, Greece)
   during the Minoan Protopalatial period
   Ricardo Fernandes, Geert Geeven, Steven Soetens, Vera Klontza-Jaklova
- 369 5.5 Using LiDAR-derived Local Relief Models (LRM) as a new tool for archaeological prospection Ralf Hesse
- 5.6 The ue of digital devices in the research of Hungarian monastic gardens of the 18th century Mária Klagyivik
- Thinking topographically about the landscape around Besançon (Doubs, France)
   Rachel Opitz, Laure Nuninger, Catherine Fruchart

5.8 Modelling the agricultural potential of Early Iron Age settlement hinterland areas in southern
Germany
Axel Posluschny, Elske Fischer, Manfred Rösch, Kristine Schatz, Elisabeth Stephan, Astrid
Stobbe

- 5.9 Radiography of a townscape. Understanding, visualising and managing a Roman townsite Sigrid van Roode, Frank Vermeulen, Cristina Corsi, Michael Klein, Günther Weinlinger
- 5.10 New methods to analyse LiDAR-based elevation models for historical landscape studies with five time slices

  Reinoud van der Zee, Frieda Zuidhoff

## THEME VI HOW WILL LANDSCAPE ARCHAEOLOGY DEVELOP IN THE FUTURE?

- 461 6.1 The future of landscape archaeology
  Andrew Fleming
- 6.2 Look the other way from a branch of archaeology to a root of landscape studies
  Graham Fairclough
- 485 6.3 The past informs the future; landscape archaeology and historic landscape characterisation in the UK

  Peter Herring
- 503 6.4 'Landscape', 'environment' and a vision of interdisciplinarity
  Thomas Meier
- 515 6.5 Landscape studies: The future of the field Matthew Johnson