

# The Future of Heritage as Climates Change

Loss, Adaptation and Creativity

*Edited by*

**David C. Harvey** and **Jim Perry**



Key Issues in Cultural Heritage

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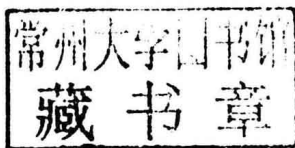
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# The Future of Heritage as Climates Change

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Climate change is a critical issue for heritage studies. Sites, objects and ways of life are all coming under threat, requiring alternative management or requiring specific climate change adaptation.

Relatively little attention has been paid to the critical intersections between heritage and climate change. *The Future of Heritage as Climates Change* frames the intellectual context within which heritage and climate change can be examined, presenting cases and sub-fields in which the heritage–climate change nexus is being examined, and provides synthetic analyses through five overarching themes:

- The heritage of change among coastal communities: liminality and the politics of engagement
- Dwelling materials: processes and possibilities
- Environmental heritage: meanings of the past and prospects for the future
- Blurring the boundaries of nature and culture: the politics of anticipation
- Climate change and heritage practice: adaptation and resilience

*The Future of Heritage as Climates Change* provides scholars, managers, policy makers and students with a much-needed examination of heritage and climate change to help make critical decisions in the next several decades.

**David C. Harvey** is Professor of Historical and Cultural Geography at the University of Exeter, UK. He has worked within the field of heritage studies for a number of years, and his research has contributed to some key heritage debates.

**Jim Perry** is HT Morse Distinguished University Professor at the University of Minnesota, USA. His current research focuses on climate change adaptation in UNESCO World Heritage Sites and on capacity development supporting an ecosystem management approach to water resources.

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# Illustrations

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## Figures

1.1 Daesung Lee photography of Ghoramara Island	8
2.1 The cliff on Monmouth Beach, Lyme Regis	25
2.2 Ammonites and Golden Cap	30
2.3 New exposures of stone revealed (and re-covered) by storms at Branscombe, East Devon	31
2.4 Ledges at Lyme Regis	32
2.5 A juvenile ichthyosaur in the personal collection of Richard Edmonds	33
2.6 Remains of the landslide, Monmouth Beach	34
2.7 Succession of the landslide on Monmouth Beach	35
2.8 Richard Edmonds out on the ledges at Lyme Regis	37
2.9 The first of the holes in the limestone ledges on Monmouth Beach	37
2.10 A fracture in one of the limestone ledges	38
2.11 Tracks on the beach	39
3.1 Friedrich Krauß, painted by Gebhard Fugel (1912)	47
3.2 The shaman of the Aimats	50
3.3 Reconstructed palafitte settlements, UNESCO heritage site in Unteruhldingen	52
3.4 "Das Stauseebecken Ravensburg" (valley reservoir) by Otto Maier	54
5.1 Traditional beach erosion control: iron wood	85
5.2 Traditional beach erosion control: beach cabbage	85
5.3 Traditional beach erosion control: goat-foot keeper	86
5.4 Engineered beach erosion control: concrete tetrapods	86
5.5 Engineering natural beach erosion control with Casuarina plantation	87
6.1 Region including approximate representation of Kuku Nyungkal country	99
7.1 Map of the National Reserve System – protected areas in Australia	115
7.2 Map of major wildlife corridor initiatives in Australia	116

8.1	"Gathering the Chestnuts"	133
8.2	Location map for Pian Brogione	136
8.3	Present Pian Brogione plateau landscape during local fire practices	136
8.4	Mid Mt Roccabruna slope chestnut grove	137
8.5	Cultural landscapes around Pian Brogione	138
8.6	Pian Brusone on the 1828 ms map	139
10.1	Theoretical frame for adaptive heritage development processes	169
11.1	Polar bear around Hudson and James Bay	180
11.2	Mortuary Poles at SGang Gwaay World Heritage Site on Anthony Island	183
11.3	Earth structure in the Wadi El-Hitan-Valley	191
12.1	The CFRPA WHS with existing sites and the proposed extension	201
12.2	CBA map for Cederberg Municipality, CFR	208
13.1	Great Kyz Kala (Merv, Turkmenistan)	221
13.2	Little Kyz Kala (Merv, Turkmenistan)	222
13.3	Hili 17 (Al Ain, Abu Dhabi), 2009	223
13.4	Conservation of Jahlili Fort	225
14.1	Fenghuang Ancient City without flooding	234
14.2	A ruined section of the Great Wall of China, 2008	235
14.3	Location map of Manchuanguan Ancient Town	236
14.4	The severely damaged Dunhuang Mogao watercolour fresco, 2007	237
14.5	Stilt house in Tai O, Lantau Island, Hong Kong	239
14.6	Location of the central market	240
14.7	The central market as Streamlined Modern architecture, Central Hong Kong	241
15.1	Wall built as a coastal defence, below historic St Andrews Castle	253
15.2	The coast at Brora, East Sutherland	255
15.3	Members of the community work on the rescue archaeology project at Sandwick in Shetland	257
15.4	A Bronze Age well containing well preserved organic deposits	260
15.5	Digital recording of the prehistoric carvings in the Wemyss Caves	263

## Table

11.1	The characteristics of a 'wicked problem' in the context of climate change and natural heritage	182
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# Contributors

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**Tom Dawson** is a Research Fellow at the University of St Andrews (UK) and Managing Director of SCAPE Trust, an educational charity. He has worked on projects around the world, including the UK, France, Italy, Sri Lanka and Japan. His research focuses on the archaeology of the coast, especially sites threatened by natural processes and climate change. He also works in the fields of public and community archaeology and on the presentation of the results of heritage projects, with an emphasis on digital technologies. He is a Commissioner on the Royal Commission on the Ancient and Historical Monuments of Scotland and a Council Member of the Society of Antiquaries of Scotland.

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**Rose Ferraby** is a PhD researcher in Cultural Geography at the University of Exeter (UK). Her background is in archaeology and illustration, which have shaped an approach to landscape and people that is as much about exploration as it is about communication. Her work explores narratives drawn from the ground and the different ways that these stories can be retold. Alongside her work on contemporary worlds of stone on the Jurassic Coast, she also co-directs the Aldborough Roman Town Project and has collaborated on research based around Neolithic stone working in Cumbria.



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**Paul A. Gray** works for the Climate Change Program at the Ontario Ministry of Natural Resources (Canada). He attended the University of Waterloo and York University and has worked on a variety of natural asset management projects in Ontario, Alberta, the Northwest Territories and Zimbabwe.

**David C. Harvey** is an Associate Professor of Historical and Cultural Geography at the University of Exeter (UK) who has worked within the field of heritage studies for a number of years. In particular, his research has contributed to some key heritage debates, including *processual* understandings of heritage, extending the temporal depth of heritage, the outlining of heritage–landscape relations and the opening up of hidden memories through oral history. His work has attracted funding from the AHRC, ESRC, EPSRC, Leverhulme Trust and British Academy. He has been/is on the national and international committees of several learned societies within the Arts and Humanities and is currently the Secretary of the Society for Landscape Studies.

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**Stephanie Lavau** is a Lecturer in Human Geography at Plymouth University (UK) with expertise in cultural environmental research. Her recent research contributes to the conversations within environmental and social sciences over the implications of the ‘Anthropocene’ for

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**Kirsten Maclean** is a Human Geographer with the Commonwealth Scientific and Industrial Research Organisation's Adaptive Social and Economic Systems Program (Australia). She has an MPhil from the University of Cambridge and a PhD from the Australian National University, and completed a PostDoc at the University of Queensland (Australia). She uses participatory research methodologies (including negotiated co-research agreements, photovoice) to guide collaborative research. She works with Indigenous people, government representatives, farmers and other natural resource management groups to critique and develop strategies for cross-cultural environmental governance and management. At present, her contextual focus is to do with 'shared responsibility' for plant biosecurity, water governance and the co-governance of biodiversity in Australia.

**Kerry Maree** is a Scientist at CapeNature, the provincial conservation agency of the Western Cape Province, South Africa. She has worked in the field of biodiversity planning and land use for ten years. Her roles have included project manager for the GEF-funded Fine-scale Biodiversity Planning project and biodiversity mainstreamer, facilitating the uptake (mainstreaming) of biodiversity planning products into typically non-biodiversity arenas

such as town planning, real estate and agriculture. Over the years, she has authored a number of Biodiversity Sector Plan handbooks which act as the interpretation guideline when applying biodiversity plans as well as the province's protected areas expansion strategies. She sits on a number of provincial steering committees involved in land use planning or decision making and currently chairs the Western Cape Biodiversity Planning and Implementation Forum.

**Diego Moreno** is a Full Professor in Geography, University of Genoa (Italy), and formerly a Professor of Agricultural History. He now teaches Historical Geography and Sources and Methods of Local History. He has served on the scientific board of several journals in the fields of the history and archaeology of settlement and environmental resources: *Archeologia Medievale* (1974–1980), *Archeologia Postmedievale* (since foundation), *Quaderni Storici* (since 1980), *Environmental History* (until 2000) and *Anthropozoologica* (since foundation). Alongside Professor Carlo Montanari, Professor Moreno is responsible for the Laboratory of Archaeology and Environmental History (LASA-DAFIST-DISTAV), University of Genoa.

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**Jim Perry** is HT Morse Distinguished University Professor at the University of Minnesota (USA). He has published more than 100 scientific papers and has taught more than 100 semester-long classes, including undergraduate, graduate, online and international field classes. He has worked in more than 70 different countries, including serving six years as Deputy Director of the USAID-supported Environmental Training Project, which developed the capacity of thousands of people in Central and Eastern Europe. His research and teaching centre on advancing informed decision making about natural resources in a landscape context. His 2011 book *Minnesota Water Policy: Issues, Incentives, Action* (co-edited with K. W. Easter) is being used to guide innovative approaches to policy development. His current research focuses on climate change adaptation in UNESCO World Heritage Sites and on capacity development supporting an ecosystem management approach to water resources. He leads a UNEP Ecosystem Management capacity development effort. He developed UNESCO's 2014 *Climate Change Adaptation for Natural World Heritage Sites: A Practical Guide* (World Heritage Papers 37). The UNEP Ecosystem Management materials and the UNESCO Climate Change adaptation materials are available in English, French and Spanish, and each is being used in separate global Training of Trainers capacity development efforts.

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