



United Kingdom
National Commission for UNESCO



**WORLD HERITAGE: SCIENCE AND TECHNOLOGY
AN EXPERT WORKSHOP WITHIN THE FRAMEWORK OF THE GLOBAL STRATEGY FOR A BALANCED
AND REPRESENTATIVE WORLD HERITAGE LIST**

**WORKING GROUP DISCUSSION
22 January 2008**

WORKING GROUP 1:

What are the conditions that allow recognition of heritage of science on the World Heritage List? What lessons can be learnt from experience so far?

This Working Group addresses questions 1 to 3 outlined in the UK Context Paper, dealing with the definition of science heritage of Outstanding Universal Value and how it can be recognised on the World Heritage List.

Specifically, the following questions will help facilitate discussion:

- How can we assess the global significance of scientific discoveries and theories?
- What type and level of physical evidence needs to survive in a place to allow recognition of science heritage on the World Heritage List?
- Are there particular considerations for the assessment of authenticity and integrity?
- Can natural criteria be applied to sites of heritage of science?
- How far can criterion (vi) be applied to cultural and natural sites to recognise scientific heritage?
- To what extent can heritage of science sites be recognised as cultural landscapes?

Room:	Franks
Chair:	Mr Thomas Moritz <i>Associate Director and Chief, Knowledge Management, Getty Research Institute</i>
Rapporteur:	Professor Alec Boksenberg , Chair, UK National Commission for UNESCO Ms Sue Cole , Senior Policy Advisor, English Heritage
Participants:	Professor Helmuth Albrecht , Chair for History of Technology and Industrial Archaeology, Institute for History of Science and Technology (IHST) Dr Christina Cameron , Chair, World Heritage Committee Professor Michel Cotte , Advisor, International Council on Monuments and Sites (ICOMOS) Professor Amareswar Galla , Convener, Pacific Asia Observatory for Cultural Diversity in Human Development & Professor of Museum Studies, The University of Queensland Mr Randal Keynes OBE FLS , Charles Darwin Foundation for the Galapagos Mr Peter Marsden , Senior Policy Advisor, Architecture & Historic Environment Division, DCMS Professor Clive Ruggles , Emeritus Professor of Archaeoastronomy, University of Leicester Dr Alexei Stoev , Astronomy and World Heritage Official Focal Point in Bulgaria

WORKING GROUP 2:**What priority should the World Heritage Committee give to heritage of science? What should be done at the international level to improve understanding of the heritage of science and World Heritage?**

This Working Group addresses questions 4 to 9 outlined in the UK Context Paper in relation to actions required at the World Heritage Committee, World Heritage Committee and Advisory Bodies.

Specifically, the following questions will help facilitate discussion:

- What priority should the World Heritage Committee, the World Heritage Centre and the Advisory Bodies apply to the heritage of science?
- What guidance is needed at all levels of the application of the Convention and should be provided on the recognition of the heritage of science on the World Heritage List?
- On what past experience of recognition of the heritage of science and other associative values can the Committee draw?

Room:	Dale
Chair:	Dr Natarajan Ishwaran , <i>Director, UNESCO Division of Ecological and Earth Sciences / Secretary, Man and the Biosphere (MAB) Programme</i>
Rapporteur:	Mr Jorge Guzman , <i>Deputy Head of Mission, Embassy of Chile to Norway</i>
Participants:	Dr Peter Bridgewater , <i>Chairman, Joint Nature Conservation Committee</i> Ms Anne Breivik , <i>UNESCO Associated Schools UK National Coordinator, UK National Commission for UNESCO</i> Dr Ian F. Corbett , <i>Assistant General Secretary, International Astronomical Union</i> Mr Guy Debonnet , <i>Programme Specialist, UNESCO World Heritage Centre</i> Dr Susan Denyer , <i>ICOMOS World Heritage Adviser; Secretary, ICOMOS-UK</i> Mr Stephen Hughes , <i>Head of Survey, Royal Commission on the Ancient and Historical Monuments of Wales</i> Ms Linda Leung , <i>Head of Secretariat, UK National Commission for UNESCO</i> Ms Ekaterina Lichtenstein , <i>Carlo-Schmid-Fellow, World Heritage Centre</i> Professor Yukio Nishimura , <i>Department of Urban Engineering, University of Tokyo</i> Mr Pekka Tätilä , <i>Chief Engineer, National Land Survey of Finland</i> Dr Gamini Wijesuriya , <i>Programme Manager (Site Unit), International Centre for the Study of the Preservation and Restoration of Cultural Property (ICCROM)</i>

WORKING GROUP 3:**What can or should States Parties be doing to improve the representation of heritage of science on the World Heritage List?**

This Working Group addresses questions 10 to 13 in the UK Context Paper in relation to providing immediate guidance to and actions to be taken by States Parties.

Specifically, the following questions will help facilitate discussion:

- What guidance is needed by States Parties, including possible amendments to the Operational Guidelines?
- What actions should States Parties be advised to take to improve recognition of the heritage of science?

Room:	Burroughs
Chair:	Professor Salah Mohamed Mahmoud , <i>Astronomy and World Heritage Official Focal Point in Egypt</i>
Rapporteur:	Ms Phyllis M. Ellin , <i>Cultural Resources Expert, US National Park Service</i>
Participants:	Mr Tim Badman , Special Advisor, World Heritage, The World Conservation Union (IUCN) Ms Mandy Barrie , Head of Policy, Strategy & Resources Unit, Architecture & Historic Environment Division, DCMS Ms Sally Case , Intern, UK National Commission for UNESCO Mr Alister Hayes , London Bromley Council Mrs Monika Minnhagen-Alvsten , National Heritage Board, Sweden Professor P.S. Ramakrishnan , UGC Emeritus Professor, Jawaharlal Nehru University, School of Environmental Sciences Dr Penka Stoev , Solar-Terrestrial Influences Laboratory, Bulgarian Academy of Sciences Dr Barrie Trinder , Writer on industrial and social history Dr Christopher Young , Head of World Heritage and International Policy, English Heritage