Environmental Catastrophes and Recoveries in the Holocene


Organised by the Department of Geography & Earth Sciences at Brunel University, this meeting brought together 150 participants from 27 countries representing a startling range of disciplines and a myriad of topics. The majority of the delegates were geographers, geologists, archaeologists and anthropologists, but amongst them mingled historians, astrophysicists, ecologists and health experts. Five key themes of the conference were geological, ecological, climatic, and health catastrophes and civilisation collapse. Specific topics included linkages between major volcanic eruptions recorded in the Greenland ice core with a plague in Ancient Rome, civilisation collapse in the Middle East and rainforest retraction in equatorial Africa 4000 years ago, and recent climatic downturns and the incidence of modern droughts such as that of Dustbowl America in the 1920s. Such topics ensured great media interest, with Nature, Science and New Scientist being amongst those picking up on conference highlights, such as the controversial reappraisal of the 1908 Tunguska cometary impact in Siberia, new ideas on a cometary mega-tsunami that devastated eastern Australia several thousand years ago, and the politics of an earthquake fault that lies below Salt Lake City’s recently constructed Olympic Stadium.

Bringing together such a rich diversity of researchers was one of the main objectives of the convenors, Professor Suzanne Leroy and Dr Iain Stewart. Breaking down the usual barriers between scientific communities to forge a new mix of people was a real challenge, but one that seems to have been at the heart of the meeting’s success. The broad sweep of the conference was about abrupt environmental changes that had affected the planet in the last 10,000 years, whether on an otherwise balanced and passive Earth, attendees at the Brunel conference instead discussed a naturally variable and frequently harmful environment in which humans were often incidental.

So what of the future? The conference will spawn a number of publications and a follow-up session is planned at the INQUA congress in Reno, USA in July, 2003. However the main legacy of the Brunel meeting will be a new INQUA-sponsored research initiative that will build on the energies and synergies generated by the London meeting. That initiative aims to galvanise a new interdisciplinary research community to engage more closely with policy makers in disentangling the natural and human influences on environmental change, and in acknowledging the ‘dark side of nature’.

The meetings sponsors included PAGES, INQUA, The British Academy, IUGS-Geoindicators, and IUGS-SOTSPI.

More on our web site: http://www.brunel.ac.uk/deptsgeo/Catastrophes/. Abstracts are available on the website: http://atlas-conferences.com/c/a/i/q/01.htm

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