

## **The Minoan eruption of Santorini: Scale and Impact**

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The Bronze-Age 'Minoan' eruption of Santorini was a large magnitude natural event with the potential for a widespread impact. Over the past decade, understanding of both the scale and impact of this eruption have advanced. Ash fallout from the eruption have now been recognised in the Black Sea, implying a broader tephra distribution than previously recognised. Examination of proxy records from Turkey (tree-rings) and Greenland (glass shards in ice cores) have advanced the debate over the precise age and wider significance of the event. In addition, improved knowledge of the past volcanic history of Santorini, and continuing work on the statistics of rare events present an improved perspective from which to understand this eruption and its context.

This presentation will review critically the implications of this new work for our current understanding of the Minoan eruption, and of the potential impacts of future eruptions of this scale.