



The
Geological
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Lyell Meeting 2018:

Mass Extinctions: understanding the world's worst crises

7 March 2018

Programme

Wednesday 7 March 2018	
09.00	Registration & tea & coffee (Main foyer and Lower Library)
09.30	Biosedimentology of Mass Extinctions David Bottjer (University of Southern California, USA)
09.45	Searching for mass extinction drivers: common cause or lost cause? Mark Puttick (University of Bath, UK)
10.00	The functional consequences of extinctions: from giant sharks to small mollusks Catalina Pimiento (Museum fur Naturkunde and Smithsonian Tropical Research Institute)
10.15	The Devonian mass extinction: new geochemical and geochronological insights Lawrence Percival (University of Lausanne, Switzerland)
10.30	The Terrestrial Record of the End Devonian Mass Extinction Event John Marshall (University of Southampton, UK)
10.45	Tea, coffee and refreshments and posters (Lower Library and Arthur Holmes room)
11.15	The Carnian Pluvial Episode: Carbon-cycle disruption, extinction, and LIP volcanism in the early Late Triassic Jacopo Dal Corso (University of Leeds, UK)
11.30	Using mercury to link Large Igneous Province volcanism to environmental perturbations during the End-Triassic extinction and Early Toarcian Oceanic Anoxic Event Tamsin Mather (University of Oxford, UK)
11.45	Boron isotope data show ocean acidification in the aftermath of the end-Triassic mass extinction James Rae (University of St Andrews, UK)
12.00	Strong seasonality in the shallow Tethys across the end-Triassic mass extinction Sarah Greene (University of Birmingham, UK)
12.15	Lunch and Posters (Lower Library and Arthur Holmes room)

13.30	KEYNOTE: 'Under the Volcano' – environmental and biotic responses to massive volcanism during the end-Triassic mass extinction Sofie Lindstrom (Geological Survey of Denmark and Greenland)
13.50	Considering the impact of SO₂ on plants across the Triassic-Jurassic boundary Karen Bacon (University of Leeds, UK)
14.05	Testing biotic recovery from the early Toarcian (Lower Jurassic) extinction event Jed Atkinson (University of Leeds, UK)
14.20	The early Toarcian mass extinction in the eastern epicontinental Tethys (NW Bulgaria) Autumn Pugh (University of Leeds, UK)
14.35	Modelling the ecological determinants of extinction across Mesozoic hyperthermal events Alexander Dunhill (University of Leeds, UK)
14.50	Strong avian ecological selectivity across the K-Pg: Evidence from lifestyle and body size Daniel Field (University of Bath, UK)
15.05	Tea, coffee and refreshments and posters (Lower Library and Arthur Holmes room)
15.35	Near coincidence of maximum Deccan volcanism with the Cretaceous-Paleogene boundary: evidences from U-Pb geochronology and mercury anomalies Thierry Adatte (University of Lausanne, Switzerland)
15.50	The role of ocean acidification in the marine extinctions at the Cretaceous/Paleogene boundary Malcolm Hart (Plymouth University, UK)
16.05	The recovery of marine phytoplankton cell size and biovolume in the aftermath of the Cretaceous-Paleogene mass extinction Hojung Kim (University College London, UK)
16.20	Re-building the ocean ecosystem after the K/Pg mass extinction event Sarah Alvarez (University of Bristol, UK)
16.35	KEYNOTE: Recovery of life from the greatest mass extinction of all time Mike Benton (University of Bristol, UK)
16.55	Concluding remarks Paul Wignall (University of Leeds) and Dave Bond (University of Hull)
17.00-18.00	Drinks reception (Lower Library)