

Thursday January 17th	
8.45-9.15	Registration & refreshments
9.15-9.30	Welcome – Graham Shields & Ying Zhou, University College London
Session I	
9:30-10:00	Invited Speaker: Maoyan Zhu, Nanjing Institute of Geology and Palaeontology, Chinese Academy of Sciences Deep roots of the Cambrian Explosion
10:00-10:15	Joseph O’ Reilly, University of Bristol Incorporating Fossil Occurrence Data For The Estimation Divergence Times Can Result In Impossibly Young Age Estimates
10:10-10:30	Chuan Yang, NERC Isotope Geosciences Laboratory, British Geological Survey Advances in the geochronological framework of the Ediacaran System
10:30-10:45	Zhenbing She, Chinese University of Geosciences (Wuhan) Microscopic comb jelly fossils in the Ediacaran Doushantuo Formation, South China
10:45-11:00	Tim Raub, University of St Andrews Ediacaran-Cambrian Place and Pace are Interpretably Inseparable
11:00-11:15	Alex Liu, University of Cambridge Constraining the impact of bioturbation on substrate properties across the Ediacaran–Cambrian transition
11.15 -11.45	Refreshment Break
11:45-12:15	Invited Speaker: Rachel Wood, University of Edinburgh Turnover in the early record of animal evolution
12:15-12:30	Fangchen Zhao, Nanjing Institute of Geology & Palaeontology, Chinese Academy of Sciences The distribution and paleoecology of Cambrian Burgess Shale-type faunas in South China
12:30-12:45	Meng Cheng, Chinese University of Geosciences (Wuhan) Evidence for extremely high organic export to the early Cambrian seafloor
12:45-13:00	Dominic Papineau, University College London Widespread Putrefaction After the Marinoan-Nantuo Snowball Earth
13:00-13:15	Emily Mitchell, University of Cambridge Interactions of Ediacaran organisms with their local environment
13:15-14:15	Lunch
Session II	
14:15 - 14:45	Invited Speaker: Elizabeth Petsios, Baylor University Dynamics of a “disaster”: extinction and recovery following the Permian-Triassic mass extinction in marine benthic ecosystems
14:45 - 15:05pm	Jinnan Tong, Chinese University of Geosciences (Wuhan) The Permian-Triassic sequence in North China: Implication to the Palaeozoic-Mesozoic transition on land
15:05 - 15:20	David Bond, University of Hull Textured Organic Surfaces in the Boreal Early Triassic: Microbial Life Thrived After the End Permian Extinction
15:20 - 15:35	Wenwei Guo, Chinese University of Geosciences (Wuhan) Ichnofossils from terrestrial P3-T2 succession at the Shichuanhe section in Shaanxi Province, North China
15.35 - 16.50	Satoshi Takashi, University of Tokyo Science, Japan Pelagic deep-sea records of the end-Permian mass extinction event
15:50 - 16:10	Jacapo Dal Corso, University of Leeds

	Sulphur and mercury link the end-Permian terrestrial mass extinction to Siberian traps volcanism
16.10 - 16:35	Refreshment Break
16.35 - 16:55	Zhong-Qiang Chen, Chinese University of Geosciences (Wuhan) Intrinsic engineer driving ecosystem recovery after the end-Permian mass extinction: Sponge pump and arms race in Triassic oceans
16:55 - 17:10	Tom Stubbs, University of Bristol Tetrapod body size was an important selective factor during the Permo-Triassic mass extinction
17:10 - 17:25	Matthew Kent, University of Nottingham Developments in Fourier Transform Infrared spectroscopy imaging for the determination of modern and end Permian UV-B fluxes from palynomorph wall chemistry.
17:25 - 17:40	Wenchao Shu, Chinese University of Geosciences (Wuhan) Permian-Triassic palynoflora turnover and implication for the palaeoclimatic reconstructions at Dalongkou section, northern Xinjiang
17.40-18.20	PLENARY KEYNOTE: Douglas Erwin, Smithsonian Institution Resilience and Stability in the Phanerozoic: The Role of Complex Evolutionary Time
18.20 - 19.30	Poster Session and Reception
Friday 18th January	
Session III	
9:30-10:00	Invited Speaker: Ding Lin, Institute of Tibetan Plateau Research, Chinese Academy of Sciences The uplift history of southern Tibet and related climate change
10:00-10:20	Robert Spicer, The Open University Exploring 'Shangri-La' – The Elevation and Climate of a Tibetan Paleogene Hidden Valley
10:20-10:40	Alex Farnsworth, University of Bristol Can novel techniques using climate models aid in determining the palaeoaltimetric history of the Himalayas and Tibet Plateau?
10:40-11:00	Tao Su, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences The evolution of plant diversity in the Qinghai-Tibetan Plateau: Evidence from fossil records
11:00-11:15	Zhe-Kun Zhou, Xishuangbanna Tropical Botanical Garden Chinese Academy of Sciences Cenozoic floras of Yunnan, and their response to environmental change
11:15 - 11:30	Paul Valdes, University of Bristol Linking Tibetan Uplift to Vegetation and Biodiversity change in the Cenozoic?
11.30 -11.55	Refreshment Break
Session IV	
11:55 - 12:25	Invited Speaker: Tim Lenton, University of Exeter Biosphere resilience from Precambrian to present day
12:25 - 12:45	Invited Speaker: David Harper, Durham University The end Ordovician extinction: ecosystem resilience decoupled from taxonomic loss
12:45 - 13:00	Morten Anderson, University of Cardiff Improved past ocean anoxia reconstruction from combining the uranium and molybdenum isotope redox proxies
13:00-13.15	Xi Chen, Nanjing University, China

	Dynamic marine redox conditions during the end-Ordovician mass extinction event
13.15-14.15	Lunch
14:15 - 14:55	PLENARY KEYNOTE: TYLER VOLK, NEW YORK UNIVERSITY "Life, culture, and modes of stability."
14:55 - 15:10	Alexander Dunhill, University of Leeds Community structure and ecosystem collapse across major extinction events
15:10 - 15:25	Bo Chen, Nanjing Institute of Geology and Palaeontology, Chinese University of Geosciences Did Devonian climatic variation drive the rise of terrestrial vascular plants?
15:25 - 15:40	Alex Krause, University of Leeds Stepwise oxygenation of the Paleozoic atmosphere
15:40 - 15:55	Sarah Baker, University of Exeter Transitioning into Cretaceous Oceanic Anoxic Event 2: CO ₂ induced climate forcings on the wildfire record.
15:55 - 16.15	Michael Benton, University of Bristol Drivers and driven: how to test environmental impacts on life
16.15 - 16:35	Refreshments
16:35 - 17.05	Invited Speaker: Toby Tyrell, University of Southampton Earth System Resilience: A Contest between Destabilising Factors and Stabilising Feedbacks
17.05 - 17.25	Invited Speaker: Benjamin Mills, University of Leeds A carbon cycle perspective on Earth system transitions and resilience
17.25 - 17:40	Teuntje Hollaar, University of Exeter Milankovitch forcing of Early Jurassic wildfires
17:40 - 17:55	Lee Klinger, Independent Scientist The Transition from the Holocene to the Anthropocene: Do humans make the biosphere more resilient or less resilient?
17:55 - 18.10	Junxuan Fan, Nanjing University China Big data Revolution in Geology
18:10 - 18:30	Invited Speaker: David Waltham, Royal Holloway University Is biosphere resilience an illusion? Discussion