

# BGS 175th Anniversary Science Symposium

## EXHIBITION\* AND POSTER PROGRAMME

### ANTE ROOM

- 1 Pages from our past\*
- 2 Geology of Britain  
Discovering Geology website\*
- 3 OneGeology, making geological map data for the earth accessible\*

### LECTURERS' CORRIDOR

- 4 Battlegrounds of environmental change: *FutureThames* — applied geoscience in the cities, catchments and coasts.  
*Jon Ford, Geologist*
- 5 A world of information: National Geoscience Data Centre  
*Leilani Smith, Records manager*
- 6 From iron to aggregates: sustainable use of UK minerals using geological data to define resource areas  
*Tom Bide, Minerals geoscientist*
- 7 Groundwater — so what's normal?  
*Andrew McKenzie, Hydrogeologist*
- 8 Vital coastal barriers: beach volume and coastal system sediment dynamics — an example from Great Yarmouth, Norfolk  
*Hannah Evans, Geologist*
- 9 Engineering geology maps of the UK  
*Marcus Dobbs, Engineering geologist*
- 10 Mapping UK hazards: understanding and coping with our changing geological hazards  
*Anthony Cooper, Geologist*

### LIBRARY

- 11 Metals in earthworm casts are more mobile but earthworm mucus reduces mobility †  
*Tom Sizmur, University of Reading*
- 12 Probing the interior of an active volcano: 3D seismic tomography at Montserrat †  
*Emma Kiddle, University of Southampton*

13 Polythermal ice in north-west Scotland: new cosmogenic data from the Assynt mountains †  
*Hannah Mathers, University of Glasgow*

14 Can calcium carbonate help sequester carbon in soils? †  
*Audrey Versteegen, Cranfield University*

15 Reconstruction of the East Asian monsoon over the past 6500 years using organic geochemical proxies †  
*David Strong, University of Bristol*

16 The UK School Seismology Project\*

### GEORGIAN ROOM

17 Life in the sun and the deep-freeze: climate change from a Quaternary perspective  
*Jonathan Lee, Geologist*

18 Unravelling the past: modelling the future of Britain's landscape  
*Michael Ellis, Head of Climate Change*

19 Anglesey (Ynys Mon): a landscape carved by ice — the launch of a new web-based glacial landform product\*

20 Geoforensics\*

### WRITING ROOM

21 Age really is an issue: correlating the Mesozoic of Europe and Australia  
*James Riding, Biostratigrapher*

22 Earthtime: a community-driven initiative for the improved quantification of geological time  
*Daniel Condon, Isotope geoscientist*

23 Exceptional fossil biotas: revealing the diversity of life\*

### ROUNDEL ROOM

24 A volcano's pulse: forecasting hazardous events during long-lived, pulsatory volcanic eruptions  
*Sue Loughlin, Volcanologist*

25 Extracting information from noise  
*Brian Baptie, Seismologist*

26 Space weather and power grids: the 'Halloween' magnetic storm of 2003 — assessing the geomagnetic hazard to technology  
*Alan Thomson, Geomagnetist*

27 Chemical elements in our environment: a flexible observational framework  
*Dee Flight, Geochemist*

28 In bloom: landscape-scale controls on organic and mineral storage of phosphorus in fine stream-bed sediments  
*Barbara Rawlins, Geochemist*

29 Zinc: the invisible threat — the legacy of metal mining in the UK and its remediation challenges  
*Barbara Palumbo-Roe, Geochemist*

### GRAND ENTRANCE

BGS artist in residence\*  
*Jeanine Breaker,  
Leverhulme Trust Research Fellow*

### SUNLEY ROOM

GeoVisionary — virtual fieldwork for real geologists\*  
*Timed tickets for the morning shows available on registration. Drop in shows during the afternoon*

† Posters by BGS University Funding Initiative (BUFI) students.

\* Denotes an exhibition stand.

# Royal Institution of Great Britain floor plan

## GUIDE TO SCIENCE SYMPOSIUM EXHIBITS AND POSTERS

