

# BGS 175th Anniversary Science Symposium

## APPLIED GEOSCIENCE FOR OUR CHANGING EARTH

28 September 2010, Royal Institution, Albemarle Street, London

### Oral presentation programme

08.45–9.30 Registration and coffee

#### 9.30 Morning session A — The evolving role of the BGS

Welcome

*Chair: Andy Howard, Director Science Programmes, BGS*

Opening address

*John Ludden, Executive Director, BGS*

*Short documentary film*

Twenty-first century survey

*Denis Peach, Chief Scientist, BGS*

Responding to a world of change: from systematic geological mapping to responsive 3D surveys

*Martin Smith, Head Geology & Landscape, BGS*

From watercolour to web

*Keith Westhead, Head Knowledge Exchange, BGS*

#### 11.00 Coffee, posters and exhibitions

#### 11.30 Keynote

Facing tomorrow's challenges with integrated science

*Marcia McNutt, Director, USGS*

#### 11.55 Morning session B — Frontiers in geoscience

*Chair: Melanie Leng, Isotope geochemist, NIGL*

OneGeology: improving access to geoscience globally

*Ian Jackson, Chief of Operations, BGS*

North American liaisons

*Garth Earls, Director, GSNI*

Arabian adventures: geological mapping and climate change in Arabia

*Andrew Farrant, Geologist, BGS*

Groundwater animals: extending our understanding of biodiversity in the UK

*Louise Maurice, Groundwater ecologist, BGS*

Life just got complicated: new insights into Earth's oldest fossil communities

*Philip Wilby, Geologist, BGS*

From Stonehenge to the Gherkin: 5000 years of human movement and mobility in Britain

*Jane Evans, Isotope geochemist, NIGL*

### 13.10 — Buffet lunch, posters and exhibition

#### 14.25 Afternoon session A — Challenges, solutions and future approaches

*Chair: Julie West, Microbiologist, BGS*

Predict or prepare: natural hazards and human disasters

*David Kerridge, Head Earth Hazards & Systems, BGS*

Groundwater, health and livelihoods in Africa

*Alan MacDonald, Hydrogeologist, BGS*

Marine exploration

*Robert Gatliff, Head Marine Geoscience, BGS*

Carbon capture and storage (CCS): demonstrating the concept

*Andy Chadwick, Head CO<sub>2</sub> Storage Research, BGS*

Future energy: renewable energy dividends from our coal mining legacy

*Diarmad Campbell, Chief Geologist, Scotland, BGS*

#### 15.50 Afternoon tea, posters and exhibitions

#### 16.25 Keynote

The human planet

*Iain Stewart, Professor of Geosciences*

*Communication, University of Plymouth*

#### 16.50 Afternoon session B — Challenges, solutions and future approaches

*Chair: Daren Goody, Hydrogeochemist, BGS*

Malthus revisited? Population growth, environmental change and resource limits

*Andrew Bloodworth, Head Minerals & Waste, BGS*

Looking forward to making predictions: BGS's role in the next decade and beyond.

*Andrew Hughes, Hydrogeologist, BGS*

Panel session

*Sir David Attenborough, Marcia McNutt,*

*Iain Stewart (Chair), Randy Parrish,*

*Kathryn Goodenough, Mike Ellis.*

*Closing remarks by Jon Gluyas, BGS Board Chair, and BUFI poster prize presentation.*

18.30 – 20.00

Drinks reception, posters and exhibition