Geological Society of London Higher Education Network Annual Meeting 2015: Sharing Educational Practice in the Geosciences

Programme: 21st January 2015

09:25	Welcome and introduction *Pauline Kneale (Pro-Vice Chancellor, Plymouth University)*
09:40	KEYNOTE: How people learn: Using research-based instructional strategies in the geosciences *Brett Gilley (University of British Columbia, Vancouver)*
10:30	Coffee
11:00	SESSION 1: Pedagogy and practice
12:00	Lunch (to include AGM and optional discussion group)
13:00	KEYNOTE: Building geoscience technology for the touchscreen generation – new ideas and applications for higher education *Roddy Muir (Midland Valley Exploration)*
13:40	SESSION 2: Technology in the Lab and Field
14:40	Coffee
15:00	SESSION 3: Professional skills and employability
16:00	Plenary and thanks
16:15	Close

SESSION 1: Pedagogy and practice (11:00 – 12:00)

Student perceptions of "feedback" during fieldwork: a case study from first year undergraduate teaching
Emma Passmore, Philippa Mason & Lorraine Craig (Imperial College)

"Least necessary, least impact": dealing with pre-conceptions during field-based exercises
Mark Holton, Plymouth University

Peer-teaching of Climate Change Science
Chris Satow, Kingston University

Delivering accessible fieldwork: preliminary findings from a collaborative international study
Alison Stokes (Plymouth University), Chris Atchison (University of Cincinnati), Anthony Feig (Central Michigan University) & Brett Gilley (UBC, Vancouver)

LUNCHTIME DISCUSSION:

What might a specially developed first year undergraduate geoscience module, specifically geared to those who have successfully passed A-level geology, look like?
Chaired by Chris King (Keele University)

SESSION 2: Technology in the Lab and Field (13:40 – 14:40)

Virtual Reality Geological Studio (VRGS): A software tool for teaching with digital outcrop imaging in the geosciences
David Hodgetts (University of Manchester)

Going Digital: Using EDINA's Geospatial Services & Resources in Teaching
Tom Armitage (EDINA, University of Edinburgh)

Virtual Demonstrator: a sustainable way of teaching laboratory and field techniques
Katherine Ficken (Swansea University)

The role of Google Earth in developing terrain evaluation and mapping skills
Anne Mather, Martin Stokes & Stephanie Mills (Plymouth University)

SESSION 3: Professional Skills and Employability (15:00 – 16:00)

What is 'geology'? A word association study and its implications for geoscience communication
Hazel Gibson (Plymouth University)

The value of a mentoring program in Higher Education
Mike Streule (Imperial College), Kaisa Freeman (Rio Tinto, Western Australia) & Lorraine Craig (Imperial College)

Knowing what your graduates do: Tracking geoscience graduate employment using LinkedIn
Martin Stokes (Plymouth University)

Essentials for GEES graduates in the 22nd Century?
Brian Whalley (University of Sheffield)

INTERACTIVE WORKSHOP: E-games and virtual worlds: golden egg or wild GEES chase?

Programme: 22nd January 2015 *(provisional – final schedule TBC)*

09:00   Educational e-gaming: effective and consistent virtual learning environments for geoscience students
Jamie Pringle (Keele University)

A virtual view of the Sherwood Sandstone from Alderley Edge, Cheshire, using Virtual Reality Geological Studio (VRGS)
David Hodgetts (University of Manchester)

10:45   Coffee

11:15   Geological Mapping in a Virtual World
Jacqui Houghton (University of Leeds), Annabeth Robinson (Leeds College of Arts), Claire Gordon, Geoff Lloyd & Daniel Morgan (University of Leeds)

Improved volcanic hazard communication through educational video games: an example from St. Vincent, West Indies
Lara Mani, Paul Cole, Iain Stewart, Stephanie Lavau, Mike Phillips & Luke Christison (Plymouth University)

13:00   Lunch

13:45   Exploring the affordances of virtual fieldwork in a multi-user, 3-D digital environment
Tom Argles, Shailey Minocha (Open University)& David Burden (Daden Ltd., Birmingham)

14:45   Demonstration and discussion: Plymouth University Immersive Vision Theatre

16:00   Close