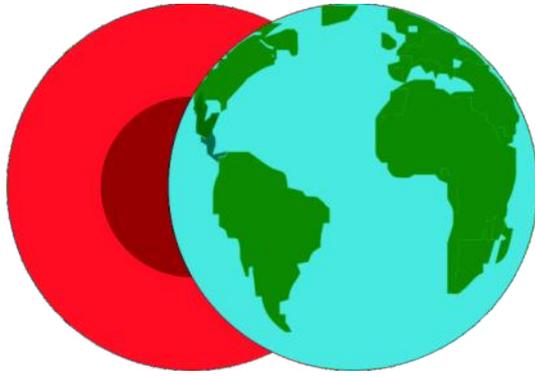


# ESTAS NEWS



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June 2010

Earth Science Teachers' Association  
[www.esta-uk.net](http://www.esta-uk.net)  
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## Welcome to ESTA News 2010

Welcome to our first issue of ESTA News for 2010 and thank you for your comments about the last newsletter and suggestions for news and items for this issue. The photos included in this edition feature Iceland and the recent eruptions in the Eyjafjallajokull area. These relatively minor eruptions of a 200-year-dormant volcano covered homes with ash and caused flooding, which destroyed farmland and roads in Iceland. The subsequent ash cloud covered most of Europe and part of the World to a standstill as flights were disrupted. The economic knock-on effects gave a clear indication of the important role geology can play in the global economy.



Do send photographs for the next newsletter to the Editor at [hiatus@liv.ac.uk](mailto:hiatus@liv.ac.uk)

## What's new in the field



**Cyprus - Classic Geology in Europe** by Stephen Edwards.

Published by Terra Publishing in 2010, this excellent book describing the geology of Cyprus is packed with information, photographs and illustrations. (ISBN 9781903544140) Price £17.95.

**Northeast Scotland** by Jon Marritt and Graham Leslie.

The latest title in the Scottish Natural Heritage's 'Landscape Fashioned by Geology' series, published in 2009, is generously illustrated with photographs and diagrams. (ISBN 9781853975219) Price £7.95.

**Rocks and Landscapes of the Anglesey Coastal Footpath** by John Conway (ISBN 0954696638)

This recently published bilingual, full colour book includes many high-quality photographs and takes a close look at the geology on the circular route of the 200 km coastal path on the island. (ISBN 0954696638) Available from Dr M. Wood, College, Llansadwrn, Menai Bridge, Anglesey, LL59 5SN. Price £11.95 (including P&P).

### Styal Desert

Do you fancy a day of geological fun, frolics and fossils with Manchester Geological Association at Quarry Bank Mill, Styal on 4th July? For times and bookings contact: Jane Gudgeon (Tel: 01625 445845)

### Threkeld Quarry & Mining Museum

Why not visit this museum and also take in an underground tour of the mine? The museum is in a disused microgranite quarry, which is itself a RIGS site showing contacts between the 'Skiddaw Slate' and the granitic intrusion. For further details contact: 01768 779202.

### Fossil Hunting at Bracklesham & Selsey

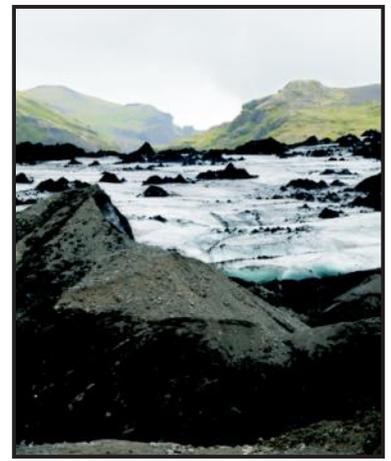
 by David Bone

This guide includes maps, photographs and text to help you get the most out of your visit to the 'Bracklesham Beds'. (ISBN 9780956201805) Price: £4.50.

# BGS 175th Year Celebration

Founded in 1835, the British Geological Society (BGS) is the world's oldest national geological survey. This year, as part of its 175th anniversary celebrations, the BGS will be offering more Nuffield Science Bursaries than ever before. BGS will also be holding its 175th anniversary symposium in London during September 2010.

For further information visit: <http://www.bgs.ac.uk/home.html>



## Do you know?

- ❏ You can support the GEOTREX project by contributing your ideas, worksheets, schemes of work and other teaching resources? Please submit items by email to: [webmaster@esta-uk.net](mailto:webmaster@esta-uk.net) with the subject GEOTREX.
- ❏ The Editor of TES is keen to showcase material that can be used to illustrate excellent student work. The supervising teacher/tutor should be responsible for the student's article and ensure that it is of sufficiently high standard for publication. Please send articles to Hazel Clark at [esta@gmail.com](mailto:esta@gmail.com) (P.S. The guide for authors can be found on the inside front cover of TES)
- ❏ How to pronounce Eyjafjallajokull? To find out visit: <http://news.bbc.co.uk/1/hi/world/europe/8637673.stm>
- ❏ BGS occasionally distributes free material to teaching establishments. Email David Bailey at: [deba@bgs.ac.uk](mailto:deba@bgs.ac.uk) to be added to the mailing list.



### Ash plume from Eyjafjallajokull, Iceland

Nasa images. Visit:

<http://rapidfire.sci.gsfc.nasa.gov/gallery/>

<http://www.nasa.gov/topics/earth/features/iceland-volcano-plume.html>

## Useful websites

<http://www.millomrockpark.org.uk/>

Information about Millom Rock Park, which overlooks Bardon Aggregate's Ghyll Scour Quarry and has been developed to explain the geological history of the Lake District.

[http://www.bgs.ac.uk/research/highlights/icelandic\\_ash.html?src=sfb](http://www.bgs.ac.uk/research/highlights/icelandic_ash.html?src=sfb)

Information about the eruption at Eyjafjallajokull and links to other resources on the web.

<http://www.bgs.ac.uk/research/highlights/iceland/3dVolcanicModel.html>

This site gives you the 3D cut out model of the Eyjafjallajokull volcano (as featured on Blue Peter's Make it!).

<https://vocal-external.liv.ac.uk/sites/deosadmin/Chile2010/default.aspx>

Some members of the School of Environmental Sciences at Liverpool University are currently in Chile to deploy instruments to measure continued seismic activity following the February 27th 2010 earthquake. One of the team, Dr Isabelle Ryder has set up a blog to provide details on how the trip progresses with photos and video footage of the team's travel around the earthquake zone.

<http://www.bgs.ac.uk/opengeoscience/>

Here there is a free service where you can view geological maps, download photographs and other information. This excellent service is free of charge for non-commercial private study, research and educational activities.



BGS Online  
data



BGS Geoscientific  
photo archive



BGS Free  
downloads



BGS Geology of  
Britain viewer

## ESTA Annual Secondary Workshop

We will be running another ESTA Workshop this year on Saturday July 3rd in the Science Learning Centre at Keele University. We hope you will be able to make it. Travelling expenses will be paid by ESTA. Previous events have been fun and an excellent way to meet other like-minded geology teachers from across the geological education spectrum.

The workshop may include some of the following:

- ❏ Development of teaching materials on palaeontology and mineralogy - following interest in teaching shown from the Palaeontological Association and the Mineralogical Society
  - ❏ Development of teaching material on mineralogy
  - ❏ Updating ESTA's handbooks (on the GEOTREX website) on setting up a GCSE or A-level geology department.
- Other ideas and suggestions are welcome!

If you are interested in participating, please email Chris King by 1st July at: [chris@cjhking.plus.com](mailto:chris@cjhking.plus.com)

# Dairy dates

## June 1st until 18th July

Event: 'Bioblitz' -people with biodiversity  
Various locations around the UK  
Further details from: [www.bnhc.org.uk/home/bioblitz/](http://www.bnhc.org.uk/home/bioblitz/)

## June until 5<sup>th</sup> September

Exhibition: The Deep  
Natural History Museum, Cromwell Road,  
London, SW7 5BD  
Further details from: [www.nhm.ac.uk](http://www.nhm.ac.uk)

## 9<sup>th</sup> June

Lecture: The Chemistry of the Oceans: Past, Present & Future  
The Geological Society, Burlington House,  
Piccadilly, London, W1J 0BG  
Further details from: [www.geolsoc.org/](http://www.geolsoc.org/)

## 25th June-4th July

Exhibition: Royal Society Summer Science Exhibition  
Royal Festival Hall, London  
Further details from: <http://royalsociety.org/>

## 30<sup>th</sup> June

Conference - Lyell Meeting 2010: Comparing the geological and fossil records: implications for biodiversity studies  
Flett Lecture Theatre,  
Natural History Museum, Cromwell Road  
London, SW7 5BD  
Further details from: [www.nhm.ac.uk](http://www.nhm.ac.uk)

## 3<sup>rd</sup> July

Guided geology walk: Huntley, Longhope and Hobb's Ridge  
Further details from: [info@glosgeotrust.org.uk](mailto:info@glosgeotrust.org.uk)

## 6-9th July

GEES Conference: 'Learning and Teaching to 2020'  
University of Plymouth  
Further details from: [info@gees.ac.uk](mailto:info@gees.ac.uk)

## 8<sup>th</sup> September

Lecture: A Lot of Hot Air: Degassing and Volcanic Eruptions  
The Geological Society, Burlington House,  
Piccadilly, London, W1J 0BG  
Further details from: [www.geolsoc.org/](http://www.geolsoc.org/)

## 13th October

Lecture: Impacts  
The Geological Society, Burlington House,  
Piccadilly, London, W1J 0BG  
Further details from: [www.geolsoc.org/](http://www.geolsoc.org/)

## 10th November

Lecture: Half empty or half full: How much oil and gas can we recover from our fields?  
The Geological Society, Burlington House,  
Piccadilly, London, W1J 0BG  
Further details from: [www.geolsoc.org.uk/](http://www.geolsoc.org.uk/)

## 8th December

Lecture: Geological hazards: How safe is Britain?  
The Geological Society, Burlington House,  
Piccadilly, London, W1J 0BG  
Further details from: [www.geolsoc.org.uk/](http://www.geolsoc.org.uk/)

## January 2011

## 5<sup>th</sup>-8<sup>th</sup> January

ASE Annual Conference, University of Reading  
Further details from: [www.ase.org.uk/](http://www.ase.org.uk/)



## Looking forward to future ESTA Conferences

2010 17th-19th September

Conference theme: *Geology & Society*  
Leicester University

Conference Convenor: *Gawen Jenkin*

Conference Administrator: *Linda Marshall*

Contacts: [grtj1@le.ac.uk](mailto:grtj1@le.ac.uk)

[linmarshall@btinternet.com](mailto:linmarshall@btinternet.com)

2011 1st-3rd July

Durham University

Conference Liaison Officer: *Susan Beale*

Conference Administrator: *Linda Marshall*

Contacts: [linmarshall@btinternet.com](mailto:linmarshall@btinternet.com)

[susanbeale@f2s.com](mailto:susanbeale@f2s.com)

2012 September \*\*

Birmingham University

Conference Liaison Officer: *Susan Beale*

\*\* Please note this change of date from July to September.  
This is to avoid a clash with events in the London Olympics.

## Why not become an ESTA MENTA?

Would you like to become an ESTA Mentor for someone new to the geology-teaching profession either because they are newly qualified, or because they have decided to start geology in their own school? Your mentoring role might involve:

- visiting the school (subject to permission of the Head) to carry out a review with them of facilities, resources and schemes of work;

- observing a lesson & providing feedback;

- recommending ESTA membership & introducing them to all the ESTA membership benefits;

- discussing issues likely to be of concern to new teachers, such as:

- \*carrying out effective fieldwork & practical work

- \*recruiting students to the course

- \*purchasing the most cost-effective resources

- \*maximising exam results

- \*building and maintaining rock/fossil teaching collections

- \*good field locations

You would need to be a teacher, or recently retired from teaching geology at GCSE, A-level or both, and willing to give freely of time and advice.

So - what's in it for you? - nothing, apart from the opportunity to pass on your expertise to a new generation, whilst reflecting on your own teaching.

What's in it for them? - everything an experienced mentor can offer!

If you are interested - please contact Chris King at [chris@cjhking.plus.com](mailto:chris@cjhking.plus.com)



## INSET/ Professional Development

### GEES Conference: 'Learning and Teaching to 2020'

GEES Subject Centre 10th Anniversary Conference, 6-9th July 2010, University of Plymouth, U.K..

Keynote speakers are: Professor Iain Stewart, Bob Digby and Professor Brian Chalkley

For further information contact: [info@gees.ac.uk](mailto:info@gees.ac.uk)

### IGEO Conference: 'Geoscience Education - Developing the World'

29th August - 3rd September, University of Witwatersrand, Johannesburg, South Africa.

For further information contact: Dr. Ian McKay at [witsgeoutreach@gmail.com](mailto:witsgeoutreach@gmail.com)

## What's included with Newsletter 2.1

Included with this edition of ESTA NEWS there are flyers and booking forms for this year's ESTA Annual Course and Conference which will be hosted by the University of Leicester on the 17th-19th September.

According to Gawen Jenkin: 'From the mantle to outer space, from the first fossils to the Anthropocene we hope ESTA 2010 will have something for everyone.'

We're looking forward to seeing you all there!



"We don't have many volcanoes in Europe. But the wind was blowing in the wrong direction"

David Learmount (on volcanic ash that cancelled European flights)

"I got volcanoed"

Paul Dickinson, CEO, Carbon Disclosure Project (after his flight cancellation in April 2010)

"Volcanoes are one way Earth gives birth to itself"

Robert Gross

## Quotes of the day

"I see the mind of a five year old as a volcano with two vents: destructiveness and creativeness".  
Sylvia Warner

"Last time you Poms got the Ashes you were over the moon. There's no way of pleasing some people"

Daveip1966 (on Twitter)

"Iceland has never had this much publicity. We will try to capitalize on the moment."

Jon Olafsson,

Chairman of Icelandic Glacial (bottled water)

"Don't dance on a volcano"  
French proverb



The photographs of Iceland in this edition were taken by the editor during the summer of 2009 before the eruptions at Eyjafjallajokull.

The following places are featured in the photographs:  
Vik, Frettir, Krysvic, Vestmannaeyjar, Mosfell, Soltheimajokull, Gulfoss, Kirkjufell and Thingvallavatn.

## Volunteers needed

Can you spare a couple of hours to help man the ESTA noticeboards at various conferences?

Up and coming events are: ESTA 2010 (Leicester), ASE 2011 (Reading) and The Geographical Association 2011 (Guildford).

Please email [webmaster@esta-uk.net](mailto:webmaster@esta-uk.net) with the subject BOARDS to find out the details of dates & venues.

**Urgently required:** enthusiastic person to fill the vacancy of ESTA Advertising Officer. To find out more email : [webmaster@esta-uk.net](mailto:webmaster@esta-uk.net) with the subject ADVERTOFFICER and request a job description.

ESTA NEWS is published biannually.  
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