“Volcanic Deposits, Landscape and Geoarchaeology of Santorini, Greece 2015”
Liverpool Geological Society

General Information:
Dates: Monday 15th June to Saturday 20th June 2015
Flights: from Manchester to Santorini probably with Easy Jet (other flight options available)
Staying at: Hotel Holiday Beach Resort in Perissa, Santorini.
Visits to field sites: by rental car, foot and boat
Size of Party Limit: 20 participants
Minimum Number: 12 participants.
Non-returnable Deposit: £40 to be payed by the 24th February 2015.

Estimated Costs:
a) Hotel: 20 euros per person per day, includes breakfast (£77)
b) Flights: ~£300 (You need to book your own flights)
c) Car Hire: Depends on the number of people attending. Price per car per day with full insurance: 35 euros (£27). There is a need to enlist at least 4-5 willing drivers to drive the rental cars?
d) Boat trip to Kameni Islands: 15 euros per person (£11.60)
e) Lunch and dinner are not included, you will need to pay for them. Price of a Greek dinner ~ 15-20 euros. Lunch 5-8 euros.

Total Price: ~ £390 pounds + car hire + lunches and dinners.
Leader: Silvia Gonzalez, Liverpool John Moores University.
Email: S.Gonzalez@ljmu.ac.uk for any questions regarding the fieldtrip details.
LGS Excursions secretary: John Iley, Email: wjohn.iley@gmail.com
Santorini General Information:

View of Fira Port, Santorini showing the caldera wall with the Bronze Age Minoan Ash (pink layer) at the top of the volcanic sequence.

Santorini, associated with the Hellenic Volcanic Arc produced by the subduction zone between the African plate and the Eurasian plate.
Santorini: Partly collapsed sea water filled caldera, part of the Hellenic Volcanic Arc. With 12 major volcanic eruptions since 200,000 years ago. There have been 4 major caldera collapses. Latest at ~ 3,500 years ago: => Produced the catastrophic Bronze Age Minoan Eruption that buried the ancient city of Akrotiri in the SW of Thera Island and affected the eastern Mediterranean region.

Santorini Volcano exhibits two distinct eruptive styles: small, basaltic, effusive eruptions occur relatively frequently and build shields and domes of lava, whereas large dacitic very explosive eruptions occur rarely, associated with major caldera collapse, at intervals of 10,000–30,000 years.

### Santorini Proposed Fieldwork Itinerary June 2015

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<tr>
<th>Day/ June 2015</th>
<th>Activities</th>
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<tr>
<td><strong>1) Monday 15th</strong></td>
<td>Departure from Manchester (7:45 am) and arrival to Santorini at 13:50 pm. Easy Jet Flight but other travel options available. Arrival to Hotel in Santorini (<strong>Holiday Beach Resort</strong>) at ~ 3 pm. Departure to</td>
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<td>Day</td>
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<td>Fira at 4:00 pm for a general view of the Caldera Rim and general introduction to the geology of Santorini. Dinner in Fira.</td>
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<td>2) Tuesday 16th</td>
<td>Visit Fira Prehistoric Museum to understand the Minoan Culture and to see archaeological finds from the Akrotiri Archaeological Site. Visit to Fira Quarry to study in detail the volcanic sequences at the Caldera Rim, especially the 3,500 years old Bronze Age Minoan Eruption that devastated the Eastern Mediterranean. Dinner in Fira.</td>
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<td>3) Wednesday 17th</td>
<td>Visit to Nea Kameni Island by boat and walk to the double funnel crater to observe different types of volcanic activity. Visit Palea Kameni Island by boat: Swimming in the hot springs. Visit to Oia for the sunset and dinner.</td>
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<td>4) Thursday 18th</td>
<td>Visit Akrotiri Archaeological site (UNESCO Heritage Site) to study the volcanic sequence that covered the 3,500 years old site and to understand past and future volcanic hazards. Study the pyroclastic flow deposits at Akrotiri beach and visit the Red beach Monogenetic volcano. Swimming on the beach. Dinner in Perissa.</td>
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<td>5) Friday 19th</td>
<td>Visit the Mavromatis Quarry to study the Minoan Volcanic Deposits sequence here and to compare them with the Fira Quarry Deposits. Visit the Vlychada Port to study the Pyroclastic Fan Deposits and their beautiful weathering effects.</td>
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<td>6) Saturday 20th</td>
<td>Limestone cliffs, volcanic ash sequence, walk to ancient city of Fira at Perissa and the Gavrillos ridge volcanic sequence. Return to the UK. Easy Jet Flight Departure at 20:20 pm. Arrival to Manchester at 22:35 pm</td>
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**Important:** The itinerary – content and sequence - may vary depending on local conditions and the nature of the group.

**Hotel:** Holiday Beach Resort, Santorini  
Perissa, Perivolos, 84700, Santorini, GREECE  
Phone: +30 22860 81659, +30 22860 81803
Email: vholiday@otenet.gr
Website: www.holiday-beachresort.com

**Santorini Suggested References:**


**Some of the sites to be visited during the Fieldtrip:**

a) **Volcanic sequence at Fira Quarry associated with the catastrophic Minoan Bronze Age Plinian Eruption** that devastated the Eastern Mediterranean region.
b) Red Beach Monogenetic Cinder Volcano.

c) Swimming in the Palea Kameni Island hot springs
d) Nea Kameni Island Volcanic Landscape with Santorini Caldera Wall in the background.

Important information:
- Participants will need appropriate field clothing, boots, walking sticks, sun protection, hand lens and most importantly of all a camera.
- Hammers must not be used nor should specimens be collected. This rule is enforced by the Greek authorities.
- Participants will need to make their own way to and from Manchester airport.
- Participants will need to provide their own travel insurance and obtain an EHIC card.
- There will be a preparatory session to brief participants about the geology of the islands and trip details (Sometime in Late May 2015).
- There will be costs associated with the car hire depending on the number of vehicles required (35 euros per car/per day).
- Additional costs payable locally are cable car, any parking, lunches and dinners.

What to do next?
Contact Silvia Gonzalez (leader) on S.Gonzalez@ljmu.ac.uk, (0151-231-2213) or John Iley (LGS Excursions Secretary) on wjohn.iley@gmail.com for further information and to register an interest.

If you are ready to commit to a place ....Complete the booking form (it is a separate word document) and email to Silvia Gonzalez or John Iley by February 24th 2015.
It is important that responses are rapid to secure the prices and it appears from initial survey that there could be a high demand. Maximum numbers 20. Minimum number 12.