



Dr Dan Kelley leads....

# Galapagos Islands & Ecuador Andes Mountains

**7-15 July 2018**

This nine-day (8 night) field trip to Ecuador and the Galapagos Islands will expand your knowledge of plate tectonics, volcanic activity, and volcanic hazards by visiting two textbook settings. We will explore a classic continental arc setting in the Andes Mountains as well as an oceanic hotspot, allowing for study of the deposits and features of andesitic composite volcanoes and basaltic shield volcanoes. In addition to the fundamentals of the tectonic and volcanic processes, in the Andes we will discuss the hazards of living amongst so many active volcanoes and in the Islands we will investigate how the volcanic and tectonic history has shaped the evolution of species that inspired Darwin.



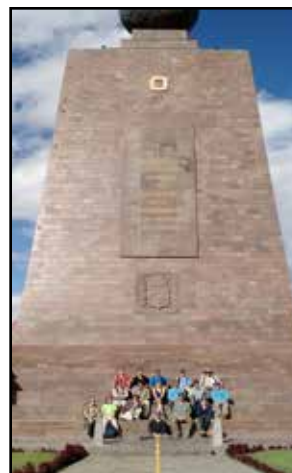
We will use our observations and new-found knowledge to discuss best methods to effectively communicate geologic concepts. We will hone mapping skills while examining volcanic deposits including lahars, pyroclastic flows, and lava tunnels.

**GEO** *etc*  
Geoscience Education & Outreach

**Trip Cost : US\$2,685\***

(Not including airfares to/from Quito, Ecuador)

**\* Members of national geological societies/associations get a US\$100 discount**



# Trip ITINERARY\*

**Saturday, July 7** – Participants arrive in Quito on late flights (most flights from US arriving between 11pm and 12am). Transfer via van to accommodation in Quito.

**Sunday, July 8** – Morning: Opening meeting, overview discussion of Ecuador geology, visit to Geophysical Institute. Lunch at Escuela Politecnica Nacional. Afternoon: Visit Pululahua Crater and the Equator.

**Monday July 9** – Visit Cotopaxi Volcano, mapping lahar flow deposits, debris avalanche deposits, and pyroclastic flow deposits. (hiking off-trail ~2 miles)

**Tuesday, July 10** – Transfer by van to airport; morning flight to San Cristobal Island, Galapagos. Check into hotel, lunch. Visit Galapagos Science Center for overview lecture on Galapagos Islands. Interpretation Center. Frigatebird Hill (snorkeling).

**Wednesday, July 11** – Boat tour to Cerro Brujo tuff cone and Leon Dormido.

**Thursday, July 12** – Morning: Punta Pucuna cinder cones and lava flows. Afternoon transfer to Santa Cruz Island.

**Friday, July 13** – Los Gemelos, Hueco Grande, Lava Tunnels, tortoise reserve

**Saturday, July 14** – Lava Tunnel Mapping. Charles Darwin Foundation. Free afternoon

**Sunday, July 15** – Fly out to Quito. Return flights to US and beyond.

**Price includes all breakfasts, lunches and dinners. Price includes all ground transportation, boats, snorkeling equipment, and shared hotel rooms.**

**US\$2,685**

US\$500 Deposit is required with registration. See the refund policy details.

*If you are a member of a national geological society or association, we can give you a US\$100 discount. You need to provide the name and membership number at time of registration.*

## Trip Details (the fine print)

- Price does not include flights to/from Quito airport.
- Please do not book any flights or make any travel arrangement until the trip and your place on it has been confirmed. We will send you details of arrive and departure dates and time as early as possible.
- Transport is in airconditioned vans. Accommodation is in shared rooms.
- You MUST obtain and provide details of international travel/medical insurance.
- The trip is open to all. Use of private or hired vehicles by participants during trip is not allowed.
- Be aware that this trip involves some hiking (as noted in the Trip Plan) you should be moderately fit and have no medical condition that precludes you from participating. Be aware that at times we will be in areas with high sulfur content which can trigger asthmatic and other responses.



## Accommodation

We will stay in delightful locally owned hotels both in continental Ecuador and in the Galapagos Islands. Participants will be 2 or 3 to a room. We will always be near to stores and dining options.



## Transportation

We will commute to our field sites in small busses while in the Andes. When in Galapagos, we will hire a variety of boats for both commuting to field sites during the day and transferring between islands.



## Trip Leader

Dan Kelley specializes in the study of volcanoes, their deposits, and teaching volcanic geology in the field. Dan has led many field courses of different lengths and types all over continental Ecuador, the Galapagos Islands, Iceland, and throughout the western US. Dan was inspired in his geology education by studying in the field and now works to use his expertise to provide this experience to as many people as possible.

## What do past participants say.....

“Visiting volcanoes in mainland Ecuador and the Galápagos Islands allowed me to learn about a range of different volcanic processes and environments within one breathtaking trip.” **-Marie McBride, PhD candidate, Purdue**

“This trip to Ecuador is a once in a life time opportunity and I highly recommend it. This program is for anyone interested in visiting one of the most beautiful places in the world in order to gain a greater understanding of tectonics, volcanology, and how they fit within a modern global context.” **-Kaitlan Angel, AP Physics 1 teacher in Dallas, TX**



### Refund & Insurance policy – 2018 Trip

Trip payment (including deposit) is fully refundable minus a US\$50 administration fee up till COB on February 28, 2018. Cancellations between March 1, 2018, and April 15, 2018, will forfeit deposit (US\$500). Full payment is due before April 30, 2018. There are no refunds after April 30, 2018. All participants must provide evidence for health & travel insurance for the trip period when full payment is made.

### Want more information or make a reservation?



Contact Gary Lewis on:  
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