

SDAG

Meeting Announcement

Wednesday April 27th 2022

Happy Hour - 6:30 PM

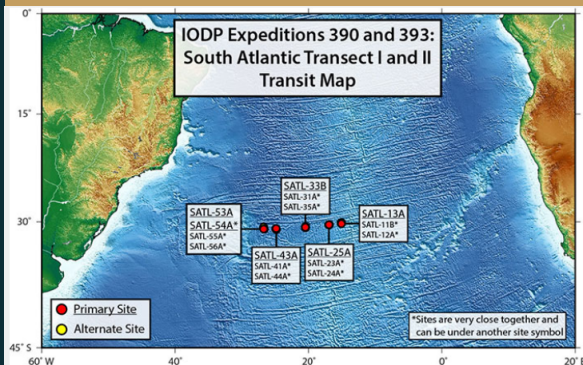
Meeting - 7:00 PM

Zoom Meeting: [CLICK HERE](#)

Meeting ID: Meeting ID: 857 9818 4239 **Passcode:** 461844

Tour of the South Atlantic Transect 1:

a combination of 2 expeditions in the South Atlantic Ocean



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Newsletter

TITLE: The Risk Atlas of Mexico City, Mexico: a tool for decision-making and disaster prevention.

Abstract

Join us for a virtual tour aboard the South Atlantic Transect 1. The South Atlantic Transect is a combination of two expeditions of the JOIDES Resolution: Expedition 390 (this one, 7 April to 7 June, 2022) and Expedition 393 (7 June to 7 August, 2022). The goals of this joint scientific ocean drilling project is to recover a complete sedimentary record and ~250 m of oceanic crust at 31°S across a transect perpendicular to the Mid-Atlantic Ridge in the South Atlantic Ocean and to target six primary sites on ocean crust aged between 7 and 61 million years old

Brought To You By *CO-CHIEF SCIENTISTS*: Rosalind M. Coggon, Jason B. Sylvan, *STAFF SCIENTIST*: Emily R. Estes, and *ONBOARD OUTREACH OFFICER(S)*: Marlo Garnsworthy, Laura Guertin



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Newsletter

PRESIDENT's CORNER

Hello SDAG Members!

Many thanks to everybody that attended last month's meeting! A very special thank you to our speakers last month, Dr. Novelo-Casanova and Dr. Suarez. It was such a joy to have another international geology talk and gain some insight into Mexico's geology. For the meeting this month we are continuing the loose theme of geology from outside the US. We are very excited to bring everyone aboard ship in the middle of the South Atlantic Ocean during IODP Expedition 390! We will take a virtual tour of the vessel and get a glimpse into the various efforts and projects that take place every day. As a USN Veteran, I am excited to visit the intersection of two things I am so familiar with. I hope you all can attend the talk (tour) this month and are as excited as I am. Please join us! And, as always, don't forget to fill out and send in your membership forms (and sponsorship forms, too)!

Cheers,
Luke Weidman

SDAG 2022 OFFICERS

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Next Meeting Wednesday, MAY 18th

***Meetings are usually held on the 3rd Wednesday of the month. This may change to accommodate the speaker and meeting place schedules. Please check the SDAG website for updates.

CALL FOR JOB POSTINGS

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athena@sandiegogeologicalsociety.org

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JOB ANNOUNCEMENT

Leighton and Associates is looking for an Engineering Technician/Staff Geologist. Please refer to the attachment for motr details or [CLICK HERE](#) and "Sort By" Title for the posting shows up on the front page.

CALL FOR PHOTOS

We would love to see what you Are Up to! Please send photos to:

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CALL FOR ARTICLES

SDAG invites members to submit articles on their current research or an interesting project they are working on for publication in the monthly newsletter. The article should be no more than 1 page in length. Photos are welcomed; too. Please submit articles to the SDAG secretary via email.

SDAG RESEARCH TOOL

A comprehensive listing of all papers published by SDAG, whether as annual field trip guidebooks or special publications, is available on our website. Entries are sorted by primary author, or chronologically by date of publication, starting with our first guidebook in 1972, out to Calico and the Mojave Desert in 2018, and finally up to the Temecula wine country for a return visit in 2020. These can be accessed or downloaded as .pdf files. They are fully searchable in Adobe Reader or Acrobat, so if you are researching a topic, "oikocryst" for example, you can search for that keyword. This listing will be updated as new books are published. Thanks to Greg Cranham and Hargis + Associates, Inc., for making this possible. See the links below:

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Lusardi Formation exposed in a small quarry near Poway. Lower half of outcrop is weathered granitic basement.

SUBMITTED BY LARRY BUSCH

Weathered boulder conglomerates at several locations in San Diego County are mapped as Cretaceous Lusardi Formation. The type area is Rancho Santa Fe (Nordstrom, 1967; Nordstrom, 1970; Peterson and Nordstrom, 1970). Other Lusardi exposures are mapped near Carlsbad (Kennedy, and Moore, 1971; Kennedy and Tan, 2007); Poway (Peterson, 1971; Kennedy and Peterson, 1975); Ramona-Lakeside, and Alpine-Blossom Valley (Gastil, 1961; Gastil and Bushee, 1961; Todd, 2004). Gastil referred to the Alpine-Blossom Valley deposits area as "Rio Alpine" (1961). Deposits mapped as Lusardi Formation are similar in that they are all deeply weathered, locally derived, cobble-to-boulder conglomerates. 'Exotic' Poway-type clasts are not present. Most correlate the Lusardi Formation with the basal Cretaceous Trabuco Formation in the Santa Ana Mountains, Orange and Riverside Counties.



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