

Caribbean Basins, Tectonics, and Hydrocarbons Phase III

Principal Investigators:
Paul Mann, University of Houston, USA & Alejandro Escalona, University of Stavanger, Norway
<http://cbth.uh.edu>

NEWSLETTER MARCH 2013 VOL. 8 NO. 1

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What's New



CBTH PhD Student Bryan Ott presents at the 2012 CBTH Sponsor Meeting.

CBTH Sponsor Meeting Date Set

The CBTH Project will hold its annual sponsors meeting on Friday, September 20, 2013 at the University of Houston. Stay tuned for more details.

Invoicing for CBTH Sponsors

The UH research office will be invoicing all CBTH sponsors for year three of Phase III in early March (payment deadline is August 15, 2013).

Newest Sponsor: Tullow Oil

CBTH would like to welcome its 18th active consortium member, Tullow Oil. Thanks for your support!

CBTH Graduate Student Wins UH Poster Competition

Congratulations to Rocio Bernal for winning the Tier 3 (Advanced Graduate Students) category for the UH poster competition held in conjunction with the annual Sheriff lecture on November 19, 2012. The title of her poster is: "Defining the geometry of the subducted Caribbean slab beneath NW Colombia and its control on the overriding Lower Magdalena forearc basin".



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What's New

Targeted Internships for Summer 2013

This summer, as part of our targeted internship program, a number of CBTH students will be working for Houston-area companies while continuing research on their theses or dissertations. CBTH undergraduate Johnathon Osmond will be interning with Mertz Energy, PhD student Javier Sanchez will be at Shell for a second summer internship, MS students Orietta Mata and Karilys Castillo will intern at Halliburton and ConocoPhillips, respectively, and PhD student Bryan Ott will intern at Hess. If your company would be interested in participating in this internship program with one of our students, feel free to contact us.

Article & Presentation on Lisa Bingham's GIS Research

CBTH Researcher Lisa Bingham is featured in an article on the Norwegian website Geoforskning.no. The article highlights Bingham's work with GIS mapping of petroleum provinces and her recent publication in November's issue of AAPG Bulletin. She will also be presenting a talk on her recently published AAPG paper to a sponsor later in March.

CBTH Graduate Student Accepts Job at Samson Resources

CBTH MS Student Alex Dale has accepted a full-time position with Samson Resources in Tulsa, Oklahoma starting this fall upon the completion of his Master's thesis. He will be presenting the final results of his MS research at the AAPG meeting in Pittsburgh.

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Graduating CBTH Students at the University of Houston



Lucia Torrado

Lucia finished her MS study with CBTH at UH in December 2012. Her thesis, titled "Non-Marine Sequence Stratigraphy and Changing Fluvial Style in the Northern Llanos Foreland Basin of Colombia" was jointly supervised by Janok Bhattacharya and Paul Mann. She used one of the largest 3D merged data sets to date in the Llanos basin and was a 2012 summer intern with the Shell Colombia group. She is presenting her results at the AAPG meeting in Pittsburgh and the AAPG ICE in Bogota. Her thesis is available on our Sponsors website.

New CBTH Students at the University of Houston

Joan Marie is a PhD student who joined the CBTH project in January 2013. She received her BS in Geophysical Engineering and her MSc in Earth Sciences from Universidad Simón Bolívar in Caracas, Venezuela. Her research focus will be on the structure and stratigraphy of the Falcón basin of Venezuela and adjacent offshore areas using a large set of 2D and 3D seismic lines tied to wells. She is presenting her MS attributes from a field in the Middle Magdalena basin at the AAPG meeting in Pittsburgh.



Joan Marie Blanco



Carolina Mejia

Carolina started her MSc Study in the foothills of the Eastern Cordillera, Colombia in the spring 2013. Her interests are structural geology, tectonic and basin petroleum analysis. Carolina received a B.S. in geology from Universidad Nacional de Colombia. She is analyzing the tectonic evolution of the Mirador Formation using 3D seismic interpretation, well log correlations, balancing of structural cross sections, and thermochronology studies. The goals of the study are to understand the structural complexity in order to clarify the deformation-exhumation story in the region which is one of the most complex petroleum areas in Colombia. She plans to graduate in December 2014.

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Recent & Upcoming Meetings

AGU Fall 2012 Meeting

Paul Mann, Bryan Ott, Naila Dowla, and Murad Hasan attended the American Geophysical Union (AGU) Fall Meeting in San Francisco. In addition, Dr. Paul Mann co-convened 2 sessions: Session T002 - Active Caribbean Plate Margins: Integrating studies for earthquake and tsunami hazard; and Session T040 - Tectonic mechanisms for extension along convergent margins.



AAPG Spring 2013 Meeting

The American Association of Petroleum Geologists will host 2013 AAPG Annual Convention in Pittsburgh, Pennsylvania on May 19-22. A list of abstracts being presented by CBTH researchers this year is available on our website at <http://cbth.uh.edu/AAPG2013.php>



AAPG ICE Fall 2013 Meeting

The American Association of Petroleum Geologist and its Latin America Region will host the AAPG International Conference and Exhibition in Cartagena on September 8-11, 2013. Five CBTH students have submitted abstracts. Please visit <http://www.aapg.org/ice/> for more information.



EAGE Summer 2013 Meeting

The European Association of Geoscientists and Engineers will hold its annual convention this summer, June 10-13, in London, England. CBTH graduate student at UIS Elizabeth Johansen will present her MSc thesis research on 2D and 3D flexural modelling of the southern Caribbean and northern South America.

GSA South-Central Section Meeting

The Geological Society of America will be hosting its South-Central Section meeting on April 4-5 in Austin, Texas. CBTH students and research staff, including undergraduates Kherlen Batbayar, Naila Dowla, Luan Nguyen, graduate students Kyle Reuber and Alex Dale, former graduate student Zachary Wolfe, and CBTH researchers Paul Mann and Murad Hasan, will be presenting 6 presentations at the meeting. For a complete list of presentations and times, visit <http://eas.uh.edu/news-events/assoc-meetings/SouthCentral--2013/index.php>



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Recent Publications

Escalona, A. and W. Yang, 2013, Subsidence controls on foreland basin development of northwestern offshore Cuba, southeastern Gulf of Mexico: AAPG Bulletin, January 2013, v. 97, p. 1-25, doi:10.1306/06111212002

Mann, Paul, 2013, Comparison of structural styles and giant hydrocarbon occurrences within four active strike-slip regions: California, Southern Caribbean, Sumatra, and East China, in D. Gao, ed., Tectonics and sedimentation: Implications for petroleum systems: AAPG Memoir 100, p. 43-93.

In Press Publications

Escalona, A. and W. Yang, in press, Impact of low-angle subduction in petroleum systems along the Leeward Antilles island arc emergent gas trend, northern South America: First Break. To be published in May 2013

Koehler, R., Mann, P., Prentice, C., Brown, L., Benford, B., and Grandison-Wiggins, M., in press, Enriquillo-Plantain Garden fault zone in Jamaica: Paleoseismology and seismic hazard: Bulletin of the Seismological Society of America, in press.

Prentice, C., Mann, P. and Pena, L., in press, Comment on "Historical perspective on seismic hazard to Hispaniola and the northeast Caribbean region": Journal of Geophysical Research, in press.

Vargas, C., and Mann, P., in press, Tearing and Breaking Off of Subducted Slabs as the Result of Collision of the Panama Arc-Indenter with Northwestern South America: Bulletin of the Seismological Society of America, Vol. 103, No. 3, in press.

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Thanks to our current sponsors!

As we continue into Phase III of the CBTH project, we would like to thank our company sponsors for their ongoing support in providing data, software, funding, and knowledge to further student research in Caribbean geology. Your support has provided many opportunities for CBTH students to pursue research projects in the region and your efforts are truly appreciated.

