

What's happening in the

BASIN & RESERVOIR LAB



Basin & Reservoir Lab

Professor Grant Wach & Dr. Ricardo Silva

May 2015



Congratulations Grads!

Congratulations to Basin & Reservoir Lab team member Connor Wentzell, who received his Bachelor of Science (Earth Science) on Wednesday, May 27th. Connor will travel to Madrid, Spain on May 30th, to compete in the EAGE FIELD Challenge on June 1st.

Dalhousie AAPG Student Chapter receives honourable mention

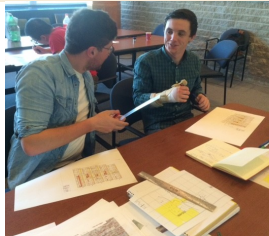


Under the presidential leadership of M.Sc. candidate Natasha Morrison, Dalhousie University's Student Chapter of the AAPG, the Sable Petroleum Club, was named runner up for the best student chapter in the country. Up against ten other student chapters throughout Canada, placing second is no small feat. Congratulations to all Dalhousie AAPG student chapter members. Watch the Sable Petroleum's Youtube video here: <https://youtu.be/Wx9GctlekCc>



Prof. Wach leads hands-on Deepwater Processes and Reservoir Characterization workshop

In preparation for the 2015 EAGE FIELD Challenge in Madrid next month, Prof. Wach led a "Deepwater Processes and Reservoir Characterization" workshop for team members on May 6th. The workshop allowed students to work through several exercises, mapping and identifying features of different depositional environments, and will help them complete their presentation and report for the EAGE FIELD Challenge on June 1st.



Research News

- Dr. Ricardo Silva's paper, "Organic matter production and preservation in the Lusitanian Basin (Portugal) and Pliensbachian climatic hot snaps", was accepted for publication in the peer-reviewed journal, *Global and Planetary Change*.
- Congratulations to Prof. Grant Wach who successfully completed the requirements to become a registered Professional Geologist in Nova Scotia!
- On May 4th lab member Kenneth Martyns-Yellowe presented his poster on "Reservoir characterization of eolian deposits in Mesozoic rift settings: Examples from the Minas Subbasin, Nova Scotia" (Martyns-Yellowe, O'Connor, Wach), at the 2015 GeoConvention in Calgary, Alberta.
- Prof. Wach presented his and Adjunct Prof. Hasley Vincent's research on "Reservoir characterization in deltaic depositional systems—proximal & distal incised valleys—outcrop and core Trinidad", at the Geological Society of London's Paralic Reservoirs Meeting, May 18th-21st.
- The Source Rock and Geochemistry of the Central Atlantic Margins Consortia Field Seminar of the Wessex Basin of Southern England begins early this June and will be followed by field work in Morocco.

B&R Lab Member Profile

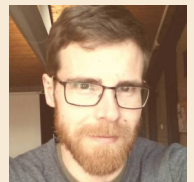


Get to know

Dr. Ricardo L. Silva

Ph.D. Geology (Coimbra University)

B.Sc. Geology (Coimbra University)



This month, we are highlighting postdoctoral fellow, Dr. Ricardo L. Silva, who joined the Basin & Reservoir Lab in 2013 after completing his Ph.D. in Geology from Coimbra University, Portugal. Dr. Silva has been a researcher at the University of Lisbon (Technician Fellowship, Geology Center), the Federal University of Rio de Janeiro (Invited Researcher, Petroleum and Environmental Geochemistry Group, Environmental Organic Geochemistry research line), and Coimbra University (Researcher and Project member, IMAR-CMA).

Over the past several years, Dr. Silva has continued to investigate several aspects of the Lusitanian Basin's (Portugal) organic-rich Jurassic carbonate series, integrating several different techniques that consider sedimentology, geochemistry, and palynofacies. His research is especially focused on Mesozoic carbonate related sequence stratigraphy, palaeoenvironmental/palaeogeographical interpretation, as well as source rock characterization in organic-rich marine and non-marine carbonate/shale series, including multi-parameter unconventional petroleum systems characterization.

Here in the Basin & Reservoir Lab, Dr. Silva is co-leader of the **Source Rock and Geochemistry of the Central Atlantic Margins Project** along side Prof. Grant Wach, studying Triassic-Lower Jurassic continental and marine series along the Central Atlantic Conjugate Margins, accessing its potential as petroleum source rock. Dr. Silva will co-lead the Source Rock project's upcoming Field Seminar in the Wessex Basin, England, as well as travel throughout Morocco after the seminar, conducting field work for the project.

GeoConvention 2015

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Two teams represented Dalhousie Earth Sciences in the CSEP Challenge Bowl at GeoConvention in Calgary this year. At the undergraduate level, lab members Maya Soukup and Kenneth Martyns-Yellowe placed 6th, and at the graduate level, Natasha Morrison and Carla Dickson placed 7th.

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