



CSPG

Canada's Energy Geoscientists



Geology and Culture of Beer Tasting

Instructor: Jürgen Kraus, *Franconia Geoscience Ltd.*

Date: June 20, 2019 - 5:00pm - 6:30pm

Location: **geoLOGIC Classroom, Aquitaine Tower**
540-5 ave SW, 2nd Floor Conference room, Calgary AB T2P 0M2

CPD Credit: 1.5

CSPG Member Rate: \$35.00 +gst

Non-Member Rate: \$50.00 +gst

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Course Outline

This 90-minute class will be both informative (enough to claim professional credit hours) and entertaining (but not as light as Bud). It focuses on the geological, geographical, and cultural factors that define traditional beers in particular regions of the old world. Water chemistry, which relies heavily on bedrock chemistry, historically limited the kinds of beer to be brewed. We sample six regional beers from the Carboniferous shelf of the Old Red Continent and adjacent terranes, from Dublin to Plzen while exploring the local geology in the context of cations/anions contained naturally in the brewing water. This is wrapped around a brief history of beer from ancient Egypt to the latest tax hikes.

This course is the result of over 54 years of cumulative research through cultural responsibility by the instructor. It is recommended to technical people, managers, CEOs, and anybody, who appreciates an after-work beer in exchange of 1.5 professional development credit hours and a good laugh. And yes, you will have to write a test at the end and take public transport home.

Join us in drinking for your professional development and in support of the CSPG. The sample size per person will not exceed ½ litre/18 oz.

Abstract

Being safer than water, beer has been an important staple of health since the middle ages. For the producers, it has been recession proof as sales are inversely correlated to the oil price.

Two of the main historical factors of beer, water and natural refrigeration, are geological in that they rely on bedrock and faulting. Four anions are particularly responsible for a beer's characteristic taste: Ca, Mg, Na, and K.

It is concluded that there are presently no after work alternatives to beer.

Biography

Jürgen Kraus was born into the former Benedictine brewery "St. Michaelsberg" in Bamberg, Franconia (Northern Bavaria). Bamberg offered 65 breweries in the 1800s of which 10 still exist. It is widely considered to be the world's beer capital, offering the unique "Rauchbier".

Jürgen is a structural geologist and international exploration geologist with his own consulting company, Franconia Geoscience Ltd. He is also a director of the Canadian Global Exploration Forum (CGEF) and co-chair of CSPG's International Division. Jürgen held his first petroleum-related position in 1987. He received an M.Sc in Structural Geology and Geophysics from Göttingen University in 1991 and a Ph.D. in Structural Geology from the University of New Brunswick in 1998.

After assignments with the Geological Survey of Canada in Ottawa, Aachen Technical University, and the Saskatchewan Geological Survey, he joined Shell Canada in 2001 and created drillable prospects in the Foothills at Waterton and Pincher Creek. After establishing his consultancy in 2003, Jürgen has created prospects and developed new play concepts in deformed basins in China, Mongolia, North Africa, and Europe.

Today, Jürgen specializes in structural modeling of complexly deformed basins as well as, more generally, in helping small companies with establishing their technical foundations.

Cancellation Policy:

Cancellation policy: No refunds available. Substitutes acceptable.

Please email emma.macpherson@cspg.org

CPD Credits 1 hour of technical training is 1 APEGA CPD

Credit

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