

Value of Integrated Geophysics (VIG) 2017 Committee Report

The VIG Committee was created in 2013 with the mission of developing strong connections among geophysicists, geologists, engineers, managers, and the finance community, in order to increase success in the oil industry.

As one of our main efforts in 2017, VIG was asked to coordinate a VIG themed focus for the RECORDER (September 2017). Jessica Galbraith, Paul Hausmanis, Louis Chabot, Craig Christensen, David Gray, Elwyn Galloway, Ruth Peach and others contacted several authors and reviewed abstracts before selecting the following four articles for publication:

- Fernando Alvarado Blohm – “Geoscientific Data Adds Value in Unconventional Reservoirs: Statistically Quantified”
- Kathleen Dorey – “Creating Economic Independence in Southeast Asia”
- Jean Legault et al. – “Assessing Risk to the Ermelo Ring Road from Historical Coal Undermining Using Helicopter TDEM and Ground Geophysics”
- Jennifer Miskimins – “Hydraulic Fracturing Data Integration – What Should I Be Asking My Engineer and What Are They Trying to Tell Me?”

VIG organized fewer presentations and courses than in 2016, due to the demands of coordinating the RECORDER issue. Mike Hall helped organize Vince Rodych’s CSEG Lunchbox Geophysics talk, “Formulating a Seismic Value Proposition for Oil Sands SAGD: A review of the continually evolving understanding and acceptance of the return on investment of seismic information”. John Duhault gave a one-day VIG Doodletrain course, “Maximizing Success Through Integrated Geophysical Applications”. David Gray and his colleague, Dragana Todorovic, prepared a talk in 2017 for the January 2018 CSEG Luncheon, “Forecasting Bitumen State and Production from 3C-4D Seismic”. David Gray was invited to participate in “The Modern Geoscientist” panel at GeoConvention.

Some of us attended the March 2017 Chief Geophysicists’ Forum. Ruth Peach provided them with a summary of VIG’s activities, and noted from the meeting some of the challenges facing oil and gas producers.

We started building the “VIG Library”, a short list of carefully selected papers (links to publications) to assist geophysicists and demonstrate how geoscience can lower costs, lower risks, and increase profits.

Craig Christensen interviewed geophysicists working at companies outside of the oil industry (environmental, hydrogeology, mining) who gave him several examples of the value of integrated geophysics.

Paul Hausmanis stepped down as Chair of the VIG Committee and Ruth Peach accepted the Chair position for 2018.

Ideas and Plans for 2018:

- Finish the VIG Library and put it on the CSEG website
- Present talks to SPE
- Publish article in SPE magazine
- Investigate using the DOB and BOE to increase awareness
- Recruit more volunteers to VIG

Members as of March 1, 2018: Louis Chabot, David Gray, Ken Gray, Paul Hausmanis (Past Chair), Mike Hall, Darren Kondrat, Ruth Peach (Chair).