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Research Interests

General Petroleum
 Geochemistry and Basin
 Modelling

Surface Geochemistry / Remote
 Sensing

Petroleum Biomarkers

Gas Generation and Typing

Interaction of Organic
 Geochemistry with other
 Disciplines

Effects of Drilling Fluids on Data
 Quality

Frontier Exploration

Unconventional Hydrocarbon
 Resources, in particular Shale/
 Tight Oil & Gas

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Ger Van Graas, PhD

AFFILIATE SCIENTIST

Dr. Ger Van Graas has more than 30 years of experience in the petroleum industry. After completing a Ph.D. on 'Organic Geochemistry of Cretaceous Black Shale Deposits' at Delft University of Technology in 1982, Ger worked at the Continental Shelf Institute in Trondheim, Norway, and at Shell's E&P Research Centre near The Hague, The Netherlands, before joining Statoil in Norway in 1991. He has held a variety of positions, most recently as a senior specialist in geology/ petroleum systems analysis and advisor for the VP of new exploration access. Since his retirement from Statoil in March 2016, Ger has been working as an independent consultant.

During the first part of his career, Ger mainly worked with providing organic geochemical support to exploration and production activities, but after 2000 he became more involved in general frontier exploration, particularly in the Caspian region and in North Africa. Since 2008, much of his time has been spent on assessment of new unconventional resources all over the world with a focus on China, Russia and Australia.

In his role as senior specialist/advisor, Ger has been involved in QA/QC activities, establishment of steering documents and best practices, and in providing advice to exploration management on strategy and specific projects.

Ger has been a board member of the European Association of Organic Geochemists (EAOG) between 1999 and 2011, the last four years as chairman. He is a member of the American Association of Petroleum Geologists (AAPG) & Energy and Mineral Division (EMD).

Selected Publications Since 2000:

Tan J., Horsfield B., Fink R., Krooss B., Schultz H.M., Rybacki E., Zhang J. Boreham C.J., **Van Graas G.** and Tocher B.A. (2014) Shale gas potential of the major marine shale formations in the Upper Yangtze Platform, South China, Part III: Mineralogical, lithofacial, petrophysical and rock mechanical properties. *Energy Fuels* 28, 2322-2342.

Van Graas G., Mørk G., Scotchman I., Murray J., Atterton L. and Forslund T. (2011) Night-time hunting for furtive animals: data availability challenges in international exploration for partially understood shale resource plays. *Search and Discovery* #90122 (Abstract).

Van Graas G., Abrams M., Bilbo M., Narimanov A., Crisp and Piggott N. (2004) The use of integrated seepage detection tools in the South Caspian. *Search and Discovery* #90024 (Abstract).

Van Graas G., Scotchmer J., Rornes A.E. and Husmo T. (2003) Multiple petroleum systems in the Caspian region: implications for prospectivity evaluation and oil quality prediction. AAPG Annual Conference, Salt Lake City 2003. *Search and Discovery* #90013 (Abstract).

Crossley R., Essiane Essone J.Y., Wubben T. and **Van Graas G.** (2001) Filtrate invasion, barite "sag" and grain crushing by cutter impact - experimental wellbore damage. SPE Europe Formation Damage Conference, The Hague 2001. SPE 68966.