

It's complicated: How can an oil & gas company strengthen its relationship with society in a time of energy transition?

Tuesday, February 6, 2018 at 6:00 p.m.

**International House Auditorium at the University of California Berkeley,
2299 Piedmont Avenue**

A conversation on energy, corporate social responsibility, and climate change with Harry Brekelmans, Projects & Technology Director, Royal Dutch Shell plc

Moderated by UC Berkeley Haas alumna Diane Dwyer; introduction by EBI Director John D. Coates

The world needs more energy to provide economic and social benefits to a growing population. Yet according to the Paris Agreement, it must also limit the carbon dioxide concentration in the atmosphere to avoid the worst effects of climate change.

- Are there ways to reconcile those imperatives?
- If so, what are their implications for transportation, building construction, electric-power utilities and heavy industry—and the government agencies that regulate them?
- Can scientific research and technology development come to the rescue?
- And what role does big oil have in all this?

Those questions have to be definitively answered—well within the lifetime of “Generation Z” university students. But the answers are not simple. They will only emerge after thoughtful debate and discussion—more than can be fit in a Twitter post or a Facebook video.

The Energy Biosciences Institute's partnership with Shell is supporting fundamental research in the areas of global energy transition and new energy technology, particularly in the area of advanced energy generation, storage, and transformation. The goal of the EBI, in collaboration with its industry partners, is to develop technically feasible, economically viable, and socially acceptable energy solutions using modern science to drive technological innovation. EBI is a collaborative, multidisciplinary, multi-site interactive research environment involving multiple research institutions and industry partners.

Registration is required for this free event. Please complete the Google form to register - <https://goo.gl/forms/VzmLeDwFoGOAfwyF3>.

This event is open to UC Berkeley and LBNL students, faculty, and staff only.

Please plan to show your ID at the door.

Speaker Bios



Harry Brekelmans is Projects & Technology (P&T) Director and a member of the Executive Committee of Royal Dutch Shell plc.

As P&T Director, Harry oversees an organization that delivers Shell's major oil and gas projects, provides support to operating assets and drives technological and commercial innovation. P&T also provides functional leadership in areas such as engineering, contracts and procurement, IT as well as safety and environment. P&T works with some of the world's leading engineering, procurement and constructions companies and integrated

services contractors. It also collaborates with public and private research institutes, start-ups, incubators and entrepreneurs on technology developments.

Harry began his career at Shell after graduating from Delft Technical University with a degree in petroleum engineering. A stint in the R&D department of Shell's Exploration & Production business in the Netherlands was followed by various roles in Egypt and the UK. From 2007 to 2009, he was CEO of Salym Petroleum Development, a Shell joint venture in Russia. In 2009, he became Executive Vice President (EVP) for Shell Group Strategy and Planning, before returning to Russia in 2011 as Country Chairman and EVP for Russia and the Caspian region. He moved back to his native city, The Hague, in 2013 to take up a new role as EVP for Upstream International Operated. Harry moved to his current role as P&T Director in 2014.

Harry is also a member of the executive committee of the World Business Council for Sustainable Development and a board member of the Global Leadership and Technology Exchange. Both organizations seek to connect business, government and civil society in seeking more efficient, low-carbon growth.



Diane Dwyer is a graduate of the UC Berkeley Haas School of Business. She is an award winning journalist, lecturer at the Haas School of Business, and owner of Dwyer Media Consulting. As a communications expert she works with a wide range of clients and serves as a board member for several Bay Area non-profit organizations.



John D. Coates is a Professor of Microbiology at University of California, Berkeley and Director of the Energy Biosciences Institute. He is also the Chair of the Department of Plant and Microbial Biology and holds a joint appointment as a Senior Scientist in the Environmental Genomics and System Biology Division at the Lawrence Berkeley National Laboratories. Dr. Coates' research seeks to balance society's need to provide sustainable ecological protection while maintaining stable economic growth and development. He achieves this through the application of a disparate range of technologies. His research interests include renewable clean energies and manufacturing processes, and remediation of diverse toxic compounds (metals, radionuclides, and organics).