

SAMANTHA GROSS

EDUCATION

University of California at Berkeley

- Master of Business Administration, 2002
- Emphasis on economics, energy markets, and corporate responsibility
- Named best graduate student instructor for MBA students, 2001–2002

Stanford University

- Master of Science, Environmental Engineering, 1994

University of Illinois at Urbana-Champaign

- Bachelor of Science, Chemical Engineering, 1993

CURRENT POSITION

2017–present **Brookings Institution** Washington, DC

Fellow, Energy Security and Climate, Foreign Policy Program

- Researching and writing on energy and climate geopolitics, climate change policy, and global energy markets.
- Researching book on an engineer's view of the greatest challenges of a low-carbon energy transition.
- Engaging public and policy-oriented audiences through congressional testimony, teaching engagements, speaking at conferences in the United States and abroad, and media appearances and interviews.

PREVIOUS EXPERIENCE

2015–2017 **King Abdullah Petroleum Studies and Research Center (KAPSARC)** Riyadh, Saudi Arabia

Visiting Research Fellow

- Led economics and technology study with Institute for Energy and Economics Japan on pragmatic climate policy and how to reach global goals in the bottom-up world of the Paris Agreement.
- Provided project management, technical review, and communications help with several projects, including books on energy relations between the Gulf States and the Far East and on renewable energy in the Gulf States.

2014–2015 **US Department of Energy** Washington, DC

Director, Office of International Climate and Clean Energy

- Managed 14 federal employees and fellows and a \$12 million budget in an office that served as Secretariat for the Clean Energy Ministerial and managed initiatives that promoted clean energy integration, energy efficiency, and energy access across 24 countries.
- Informed US DOE position on international climate and clean energy policy. Coordinated US government engagement with international stakeholders on clean energy and energy efficiency deployment.

2007–2014 **IHS CERA, Director, Energy and Environment** Washington, DC

- Provided clients with a practical understanding of the environmental and social issues affecting the oil and gas sectors, including their impact on corporate strategy. Managed relationships with high profile clients and stakeholders, including energy companies, government officials, and nonprofits.
- Led Climate and Clean Energy Forum, focused on business impacts of climate policy and public sentiment on the oil and gas and electricity sectors.
- Analyzed the impact of regulation and public sentiment on social license to operate and economic performance.

- Researched and wrote annual report for the World Economic Forum meeting in Davos on wide-ranging topics affecting the global energy industry. Coordinated contributions from CEOs, government officials, and other industry leaders.

2002–2007 **US Government Accountability Office, Senior Analyst** Washington, DC

- Informed congressional decision-making by managing evaluations of energy and environmental policies. Briefed congressional staff on energy markets and supply issues.
- Managed studies of the US Strategic Petroleum Reserve, gasoline prices, and electricity markets.
- Led teams of analysts, attorneys, economists, and methodologists in designing and implementing studies of energy and environmental issues.

1996–2000 **Montgomery Watson, Senior Engineer** Walnut Creek, CA

- Managed environmental projects, including remediations, site investigations, and legal work for property transfer, primarily for downstream petroleum clients.

SELECTED PUBLICATIONS AND SPEAKING ENGAGEMENTS

Energy and Environment

Working to turn ambition into reality: The politics and economics of India's turn to renewable power. Brookings Institution, September 2018.

Plenary Session: Beyond the Headlines, Panelist, BNEF Future of Energy Summit, April 2018, New York.

Towards More Pragmatic Global Climate Goals and Policies, KAPSARC/IEEJ, October 2017.

Shale Gas and the Environment, Moderator. IHS CERA Week 2014, Houston.

Securing Public Trust in a Hyper-Connected World, Moderator. IHS CERA Week 2014, Houston.

Water and Unconventional Oil and Gas, Moderator. IHS CERA Week 2013, Houston.

Climate Change, Panelist. IHS CERA Week 2013, Houston.

Life Cycle Analysis for Crude Oil, Moderator. CERA Week 2012, Houston.

Mismeasuring Methane: Greenhouse Gas Emissions from Shale Gas, IHS CERA, September 2011.

Low Carbon Fuel Standards: A New Way to Regulate the Transportation Sector, IHS CERA, March 2010.

Towards a More Energy Efficient World, World Economic Forum and IHS CERA, Energy Vision Update 2010.

The Copenhagen Process: Thinking Beyond Targets, IHS CERA, November 2009.

Thirsty Energy: Water and Energy in the 21st Century, World Economic Forum and IHS CERA, Energy Vision Update 2009.

Energy Markets and Fuels

Lower for Longer: Years of low prices rewrite foreign investment in South American oil and gas, Brookings Institution, July 2018.

Geopolitical implications of U.S. oil and gas in the global market, Congressional testimony, May 2018.

Lower for longer: The implications of low oil and gas prices for China and India, Brookings Institution, October 2017.

What's Ahead for Energy? Panelist. IHS CERA Week 2014, Houston.

Energy Transitions: Past and Future, World Economic Forum and IHS CERA, Energy Vision 2013.

Energy Transition, the Long View, Panelist. IHS CERA Week 2013, Houston.

Energy for Economic Growth, World Economic Forum and IHS CERA, Energy Vision Update 2012.

Alternative Fuels, Panelist. Society of Automotive Engineers Conference 2012, Chicago.

A New Era for Gas, World Economic Forum and IHS CERA, Energy Vision Update 2011.

Strategic Petroleum Reserve: Available Oil Can Provide Significant Benefits, but Many Factors Should Influence Future Decisions about Fill, Use, and Expansion, US GAO, GAO-06-872, August 2006.

Unconventional Oil and Gas

Public Attitudes Towards Unconventional Oil and Gas Activity, Moderator. IHS CERA Week 2014, Houston.

The Science of “Fracking”, Moderator. CERA Week 2012, Houston.

Oil Sands and EU Energy Policy, Panelist. European Voice, Comment Vision Series, June 2011, Brussels.

Life Cycle GHG Emissions from Oil Sands, Panelist. International Association of Oil and Gas Producers, Expert Workshop on the EU Fuel Quality Directive, May 2011, Brussels.

Greening the Oil Sands Symposium, Panelist. June 2010, Washington.

Friction over Fracking: Hydraulic Fracturing and Safe Drinking Water Regulation, IHS CERA, November 2009.