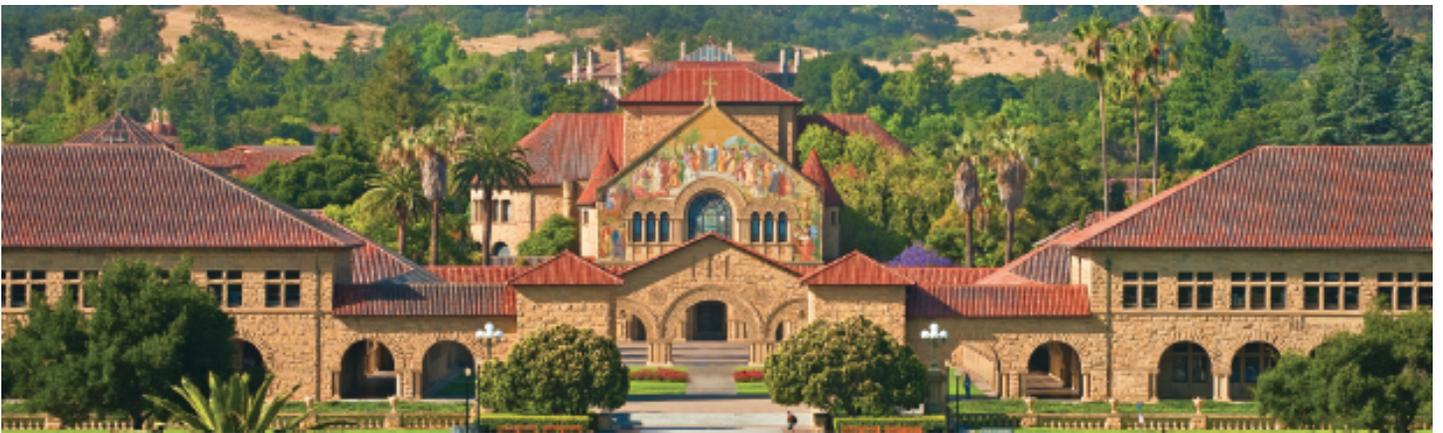


SYMPOSIUM ANNOUNCEMENT

**New Business Models and Technologies to Reduce
Energy Poverty with Natural Gas**

**a collaboration of the Stanford Global Development and Poverty Initiative
and the Stanford Natural Gas Initiative**

Spring 2017



Natural gas presents an opportunity to address energy poverty at a variety of scales. It is a globally abundant energy resource that is proven in most basic applications: electricity generation, cooking fuel, and transportation fuel. Natural gas is also a cleaner-burning fuel, with much lower greenhouse gas emissions than coal or oil and virtual elimination of mercury, particulate and other emissions that impact human health throughout the developing world. Although global gas resources are abundant, they are not distributed uniformly and the cost and complexity to produce natural gas resources is uneven from region to region. Furthermore, natural gas is difficult to store and transport, requiring capital-intensive projects to move resources to where they could be beneficial, but are lacking.

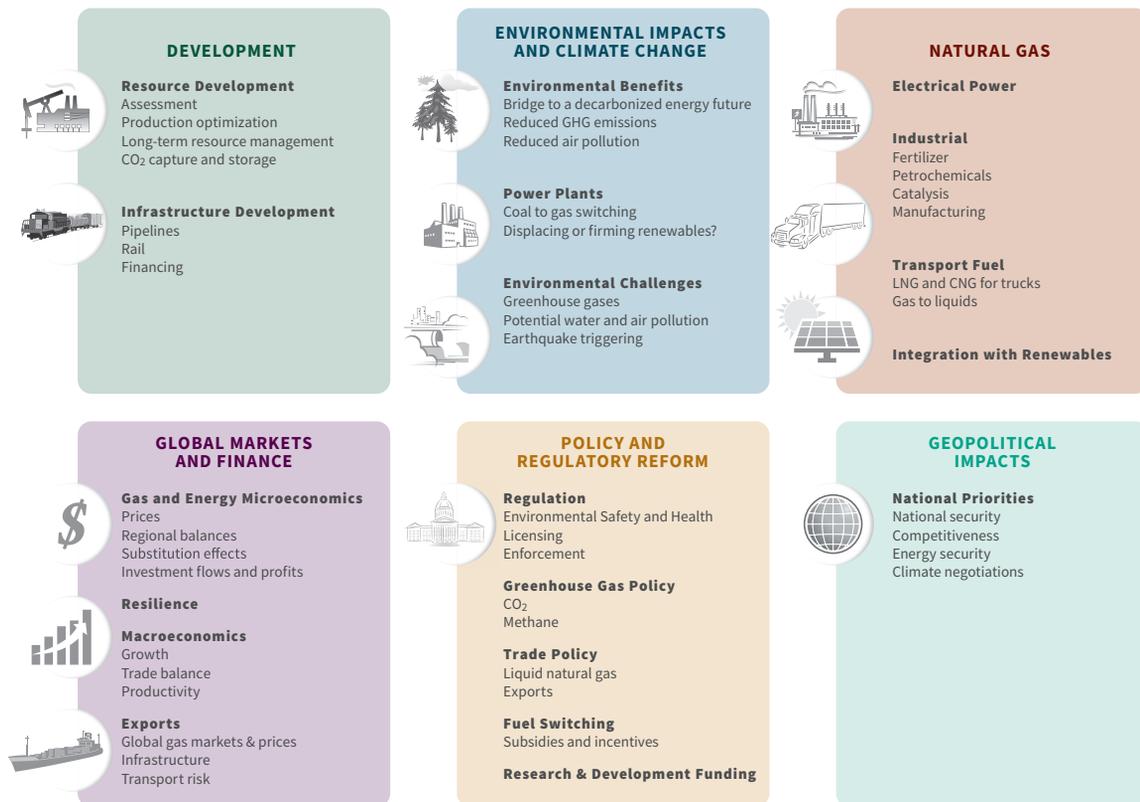
New business models or linked regulatory-business frameworks that could facilitate the paired development of local gas sources and dependent industries could provide an opportunity to alleviate energy poverty at a large scale by allowing new gas resources to provide significant economic growth. At smaller scales, gas supplied from lower-cost, local sources, such as associated gas or unconventional gas, could impact domestic, transportation, or light industrial uses; these uses would be enabled by scalable technologies that allow gas to be converted into transportable, useful, or storable fuels and products at the source, removing the need for transportation infrastructure or major upstream developments.

The goals of the workshop are to identify: (1) new business models for bringing natural gas resources to bear on energy poverty; (2) new technological developments that could enable use of natural gas in energy-poor regions at a variety of scales; (3) to identify regions in the developing world that would benefit most from new use of natural gas resources.

For more information or to learn about Stanford industrial affiliates programs please contact NGI Managing Director Brad Ritts (ritt@stanford.edu).

**ngi.stanford.edu
suncat.stanford.edu**

The Stanford Natural Gas Initiative examines the dynamic, multifaceted questions raised by the tremendous growth in natural gas production by focusing the efforts of Stanford's faculty, researchers, and students in six key areas: Resource Development, Environmental Impacts and Climate Change, Uses of Natural Gas, Global Markets and Finance, Policy and Regulatory Reform, and Geopolitical Impacts.



THE NGI CORPORATE AFFILIATE PROGRAM

The corporate affiliate program of the **Natural Gas Initiative** (NGI) engages leading companies and institutions in the work of the outstanding team of faculty and researchers from across Stanford University.

The **NGI affiliate program** offers a three-tier membership structure with annual fees ranging from \$35,000 to \$250,000 and a variety of benefits of membership, depending on membership level.

Upcoming NGI Events:

September 2016 -- NGI Workshop: From methane to liquid fuels and beyond

Autumn 2016 -- NGI Workshop: Stopping methane leakage at a global scale

Spring 2017 -- NGI Symposium: New business models and technologies to reduce energy poverty with natural gas

March 2017 -- NGI Annual Affiliates Meeting and Research Review

Summer 2017 -- NGI Workshop: The role of natural gas in enabling renewable energy