

# Sustainable Gas Systems

## Track G- Session 1

### Public Policies

Devinder Mahajan  
Session Chair

Professor, Stony Brook University  
Director, I-GIT/AERTC

March 27, 2018



**ADVANCED ENERGY™**  
Research and Technology Center  

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**Institute of  
Gas Innovation  
and Technology**  

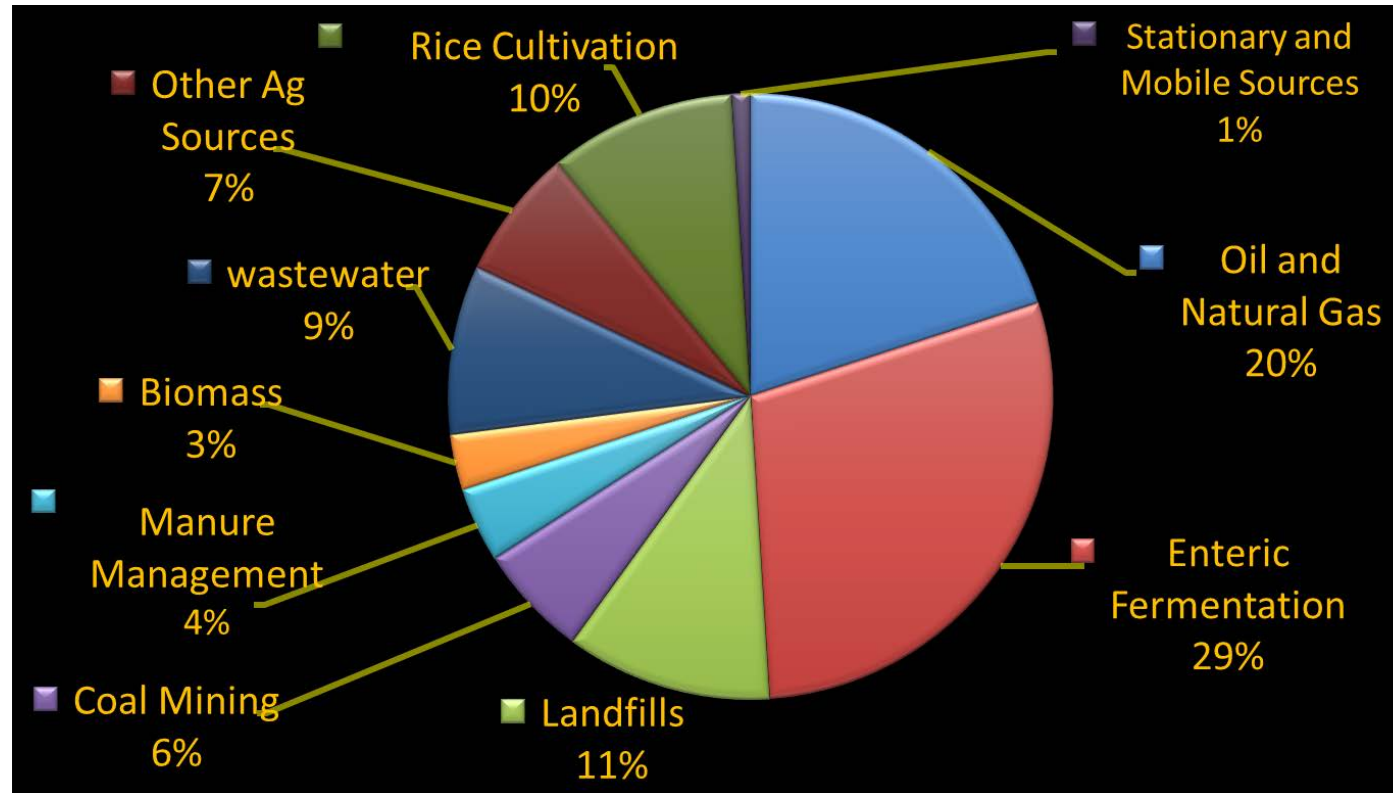
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# Organizing Committee

- Christopher A. Cavanagh, National Grid-USA and Liaison to the I-GIT Advisory Board
- Rick Zimmerman, New York Cow Power Coalition
- Kevin Neumaier, Sustainable Dairy Technologies
- David Miller, Sustainable Dairy Technologies
- Professor Devinder Mahajan, Institute of Gas Innovation and Technology (I-GIT)  
Stony Brook University
- Gregory Stevens, Sustainable Dairy Technologies
- Curt Andrews Gooch, Cornell University, PRO-DAIRY

# Estimated Global Anthropogenic Methane Emissions (by Source)



U.S. EPA (2006) *EPA 430-R-06-003*, revised 2012

# I-GIT Events

1. *Anaerobic Digesters- Renewable Bio-Gas Symposium*

October 23, 2017

National Grid Auditorium, Syracuse, NY

Sponsors: AERTC/SyracuseCoE/National Grid

2. Institute of Gas Innovation and Technology (I-GIT)

*Ribbon Cutting Ceremony*

February 16, 2018

SUNY Chancellor Kristina Johnson

Robert Catell, AERTC Board Chairman

Ken Daly, National Grid, President

3. *Sustainable Gas Systems*

AEC2018, March 26-28, 2018



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# I-GIT



## Institute of Gas Innovation and Technology

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### INSTITUTE OF GAS INNOVATION AND TECHNOLOGY

An Integrated Gas Energy Institute

**A collaboration between Stony Brook University's Advanced Energy Research and Technology Center (AERTC) and National Grid, I-GIT is a consortium composed of academic and industry leaders working together to find clean and affordable solutions to meet the nation's growing energy demands and challenges.**

I-GIT is administered within AERTC, where it is housed with offices and state-of-the-art laboratories. Its expert team of researchers, educators and investigators are working closely with the clean-tech community to bring together business and government leaders, policymakers and researchers in developing innovative programs to deploy advanced energy technologies.

#### THERE ARE FIVE PILLARS THAT DEFINE I-GIT:

**1. A transition to low-carbon technologies**

I-GIT will focus on hybrid fuel technologies through the introduction of various renewable sources, such as gas, hydrogen, fuel cell, geothermal and thermal heat.

**2. Gas technology gap analysis**

Preparing and maintaining a gap analysis will provide I-GIT opportunities to support environmental, societal and economic development goals.

**3. Workforce training**

To meet future needs, I-GIT will use AERTC's corporate training program and develop graduate certificate programs with member input.

**4. Becoming an international consortium**

I-GIT will build upon AERTC's existing relationships with other countries, including China, Japan, Korea and the United Kingdom, to increase membership and establish a global advanced technologies exchange mechanism.

**5. Leveraging industry funding**

To help expand its funding base, I-GIT will work with state and federal agencies.

For more information about I-GIT, visit  
[stonybrook.edu/gas-innovation](http://stonybrook.edu/gas-innovation)





# Session Panelists

**Johannes D. Escudero**, CEO & Executive Director  
Coalition for Renewable Natural Gas

**Donald Chahbazpour**  
Director of Climate Change Compliance  
National Grid

**Dr. Ilissa Ocko**, Climate Scientist  
Environmental Defense Fund

**Chris Voell**, Lead, Agricultural & Household Biogas  
Co-Chair, GMI Biogas Subcommittee/  
EPA- Global Methane Initiative

**Kevin Neumaier**  
Sustainable Dairy Technologies, LLC

**Dan Dessanti**, Director, Operations Services  
Northeast Gas Association

