

Production and Processing

Agenda

Opening Presentations (40 minutes)

- Introductions & Moderator comments
- Panelist
 - main business cases and related gaps
 - overall technology challenges, drivers & barriers in terms of available technology, policy, etc.

Q&A (15 minutes)

Wrap-up & Summary (5 minutes)

Moderator	Art J. Schroeder, Jr.	Energy Valley, Inc.	USA	CEO
Government representative	Fabio Filocamo	Ministry of Universities and Industrial Research	Italy	Director of Industrial Research
Operator Representative	Dr. Kjetil Skaugset	Statoil	Norway	
University/NGO/Other	Dr. Jon Steinar Gudmundsson	Norwegian University of Science and Technology	Norway	Professor at the Department of Petroleum Engineering and Applied Geophysics

Production and Processing

Business Cases

Safe, environmentally compatible, and more efficient oil and gas developments and operations

- Enable deepwater, remote, arctic,
- Explore options for gas to market, transport options, supply routes
- Enhance field development / profitability via more efficient operations
 - Accelerate recover
 - Increase overall recovery
- 'Right to operate'
 - Unconventional (shale, tight)
 - Severing of mineral and surface rights
 - Infrastructure impact / reduced footprint
- Extend field life with longer step-outs and tiebacks

Production and Processing

Business Cases

Safe, environmentally compatible, and more efficient oil and gas developments and operations

- Enable deepwater, remote, arctic

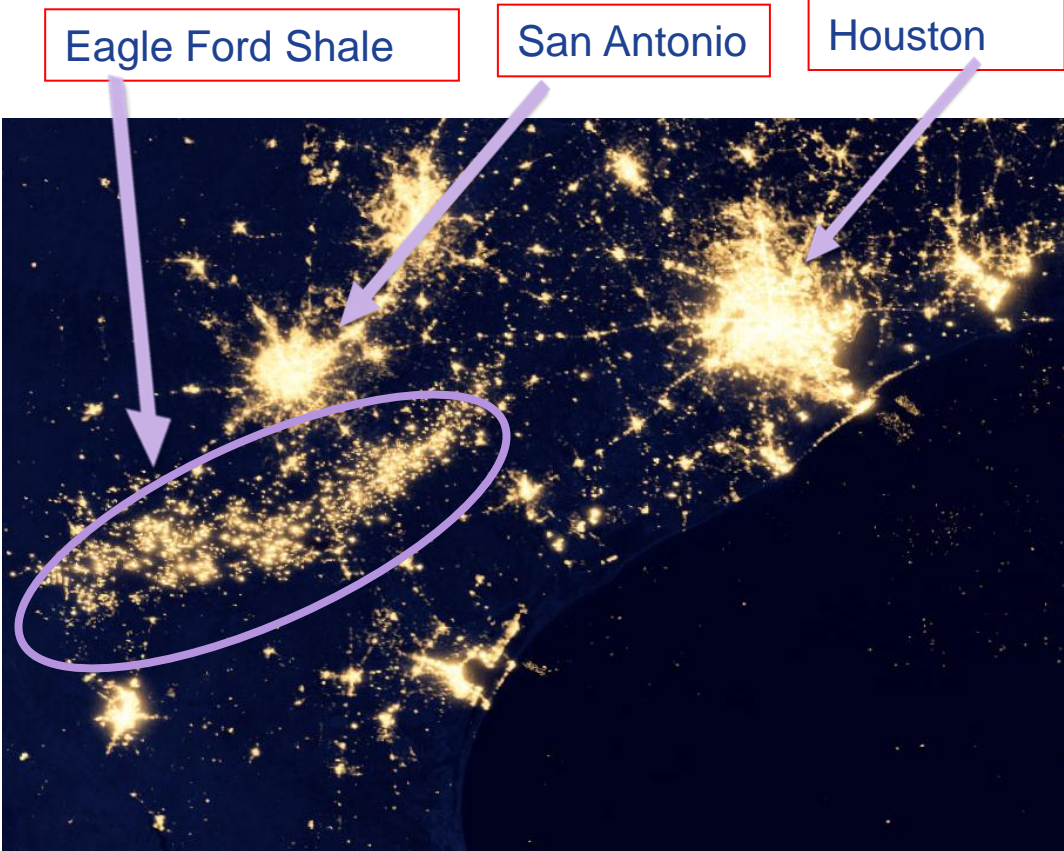
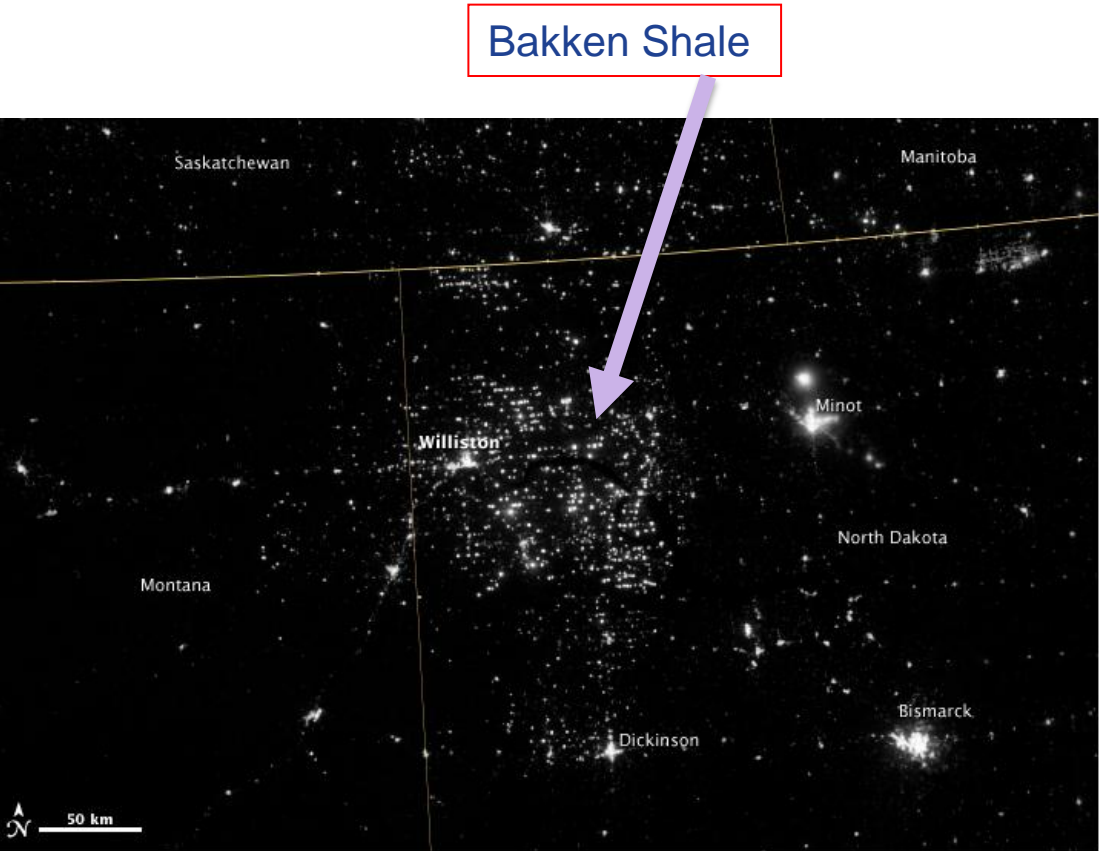


http://www.bp.com/en/global/corporate/press/media-library-preview.html?assetpath=/content/dam/bp/media-library/image/021_thunder_horse_platform_gulf_of_mexico.jpg&assettype=null&category=all

Production and Processing

Business Cases

- Explore options for gas to market, transport options, supply routes



Production and Processing

Business Cases

- Explore options for gas to market, transport options, supply routes
- 'Right to operate'



As fire crews continued to cool overturned oil tankers Monday, searchers in Lac-Mégantic, Quebec, looked for remains of victims of the inferno from a train derailment early Saturday. (Photo: Ryan Remiorz, The Canadian Press/AP)



President Obama at the TransCanada Stillwater Pipe Yard in Cushing, Okla., last year. (Photo: Pablo Martinez Monsivais, AP)

Production and Processing

Gaps

- New field development concepts (lower costs)
- Increased production efficiency
- Subsea 'factory' and in-well processing
- Subsea power supply and distribution
- Multiphase technology and flow assurance
- Unmanned facilities (AUVs)
- Condition monitoring and sensing
- Integrity management and infrastructure life extension
- Arctic maritime operations
- Water management, hydrate and sand production

Production and Processing

Solutions

- Sharply defining the gap
- Roadmap development
- Collaborative R&D
 - Private sector
 - Public (government) – private sector partnerships
 - University collaborative
- Tech transfer

OTC 2014, Wednesday May 7th Technical session

036 Funding New E&P Technologies

At the end of the day, new technology is only valuable if it can be successfully deployed, and this of course requires operator up-take or "pull." While established service and manufacturing companies supply the bulk of new E&P technology, a number of different organizations provide alternative funding mechanisms. This panel session will examine six existing organizations. The presentations and following moderated discussion will cover:

- Present current funding solicitation and evaluation process
- Future technology needs expect to fund over the next 3 years, with funding levels.
- How these have changed from the past
- The good, bad, and ugly of past solicitations—what do prospective awardees need to do well in the solicitation process to be in the best position to secure funding.
- Lessons learned from previously funded and executed R&D projects—with examples of projects or seed funding that resulted in commercial success and failure.

Session Moderators:

Art J. Schroeder, Energy Valley Inc.; **Brad Burke**, Rice University



Greg Kusinski
Chevron



Richard G. Erskine
Statoil ASA



Patrick O'Brien
ITF Energy Partners LLC



Glenn Janes
RDC (Canada)



James Pappas
RPSEA



Art J. Schroeder
Energy Valley Inc.



Jim Sledzik
Energy Ventures Inc.