

Triennial Work Programme 2012-2015

Study Group 1.1: Technological Advances in the Exploration & Production of Natural Gas

Adif Zulkifli
Vice Chairman, WOC-1
SG 1.1 Leader

Update from 2nd Meeting, Rio de Janeiro



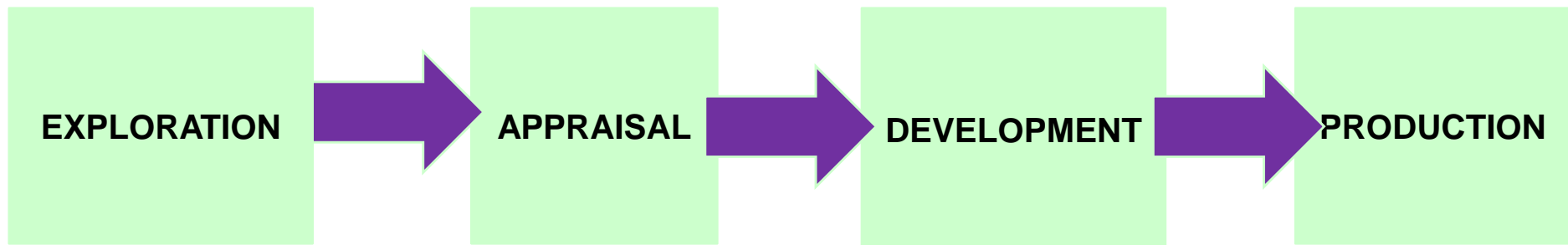
KEY SCOPE: To investigate and compile the most recent technological advances in the exploration and production of natural gas, and share with the International Gas Community, the availability and applicability of the technological advances

The technological advances will be sourced from published papers and technology providers, without being specific to certain proprietary technologies to avoid the IGU being used as a commercial platform.

Research from academia and commercial research centres towards the advancement of new technology for exploration and production of natural gas could also be highlighted

Build on list of technologies that the previous triennium has started; elaborating more on those technologies that have become widely used, and introducing newer technologies that have emerged (via R&D)

Presentation of the technologies according to the life cycle of E&P:



In each of these stages, what are the new technological advances that the industry can employ?

SG1.1 shall compile on the most pertinent technologies for use by IGU members

- **CO2 Management in gas fields**
- **Development and Production of Gas in Harsh and Remote Conditions, as seen in the base of Zapolyaroye field in Russia**
- **Showcase of the latest technologies available by service providers to promote the exploration and development of tight and shale gas**
- **Novel methods of developing stranded gas: mini-LPG, Floating LNG and others**
- **Using renewables in gas fields to increase gas available for sales**
- **Current research by gas companies that could result in new technology in the near future**

Other technologies will be introduced by team members and screened for the report prior to next meeting. Discussions will continue over email.

LEADER:

Adif Zulkifli

adif@petronas.com.my

Assisted by

Nazri Malek

nazriidzlan@petronas.com.my

+603-2331-8326