

# IHRDC

International Human Resources Development Corporation

2012 REGIONAL OFFERING

## Offshore E&P Project Development Workshop



# Houston

MARCH 26 – 30, 2012



## PROGRAM OBJECTIVES

The objective of this workshop is to teach the technical, economic and project management processes that are followed by specialists as they explore for and develop a challenging, deepwater offshore West African field. It covers all aspects of petroleum upstream project management, including seismic program design and analysis, exploration drilling, well and reservoir performance, field development planning, uncertainty management, and project economics within the confines of the classical upstream project decision process. This offering is an ideal “capstone” workshop for younger technologists who have completed their basic E&P development program.

## WHO SHOULD ATTEND

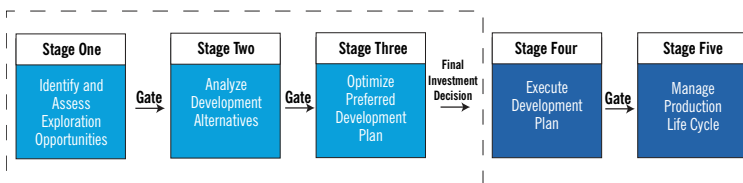
This timely program is ideal for technology specialists who seek a practical understanding of the processes required to explore for and develop an exploration prospect through the development planning stage.

## INSTRUCTIONAL FORMAT

In this program, learning takes place in a mentor-facilitated workshop environment where teams of participants methodically manage the exploration and development decisions on a deepwater offshore prospect in West Africa. During the business game, teams of participants make sequential decisions to move the prospect along a simulated timeline from the execution of the exploration agreement to the kick-off of a FEED study in support of Final Investment Decision (FID). However, the material presented will also look forward to future project phases through to the end of the production. Presentations are made by the participants to the IHRDC course mentors at key decision points during the week, and a comprehensive team presentation is made on their overall workflow, recommendations and expectations for field performance on the final day. The major focus of the workshop is the Atlantica Business Game. Lectures are limited and are meant to provide overview, guidance, and subject reference materials for discussion as teams of participants make decisions in the various workshop sessions.

## LECTURE SESSIONS

- Oil and Gas Value Chains
- Project Formulation and Development Process
- Exploration Overview
- Offshore Drilling Overview
- Practical Reservoir Modeling Issues
- Managing Uncertainty in Field Development
- Offshore Well Completions

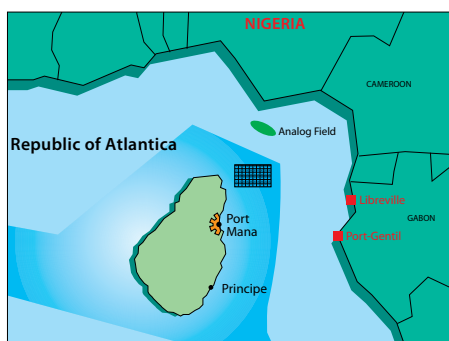


*The five-step stage-gate management process as applied to E&P projects. This workshop focuses on Stages 1 to 3.*

## WORKSHOP

### Atlantica: West Africa Deepwater E&P Project Business Game

IHRDC's highly regarded all-digital project management workshop simulates a realistic E&P workflow as teams evaluate an exploration and development opportunity. Participants explore an offshore license area in the deepwater of the Republic of Atlantica, West Africa. A production-sharing contract has been negotiated with the Ministry, and your team has just been informed that it is to explore and develop viable prospects. As a team member, you have two seismic lines across the license area which indicate the presence of two possible structures at the target formation. The Analog Field, just across the border in Nigeria, came on stream last year, and you have substantial information on its reservoir properties, well performance, development plan, production levels and both capital and operating costs. You are provided with financial models and other technical tools to perform the necessary analysis on both deterministic and probabilistic bases. Now it is up to your team to use available capital, technology, and analysis tools, following the best practices of E&P project management. The team will perform high level analysis to help make the sequential decisions necessary to reach an optimal development plan for their deepwater play.



Republic of Atlantica

The sessions include:

- Review Atlantica exploration agreement.
- Tactical seismic acquisition decisions.
- Evaluate seismic results, select exploration well locations and data acquisition strategy.
- Design, plan and specify appraisal wells.
- Identify and evaluate field development alternatives.
- Study gas utilization options.
- Analyze and optimize development well design options.
- Study field development plan under primary depletion.
- Study the impact of improved recovery on field development plans, costs and economics.
- Specify the preferred integrated field development plan.
- Prepare optimal sub-surface field development plan for management approval.
- Review the economic indicators and delineation results and prepare team presentations.

# Instructor

## DR. Y. SERDAR DOGULU



Dr. Y. Serdar Dogulu is Director of Innovative Learning Solutions at IHRDC. He is currently involved in the content development of interactive learning and training products, especially the IPIMS e-learning system. Dr. Dogulu has been very active in the building of company-specific competency models for IHRDC clients and is the principal developer and instructor for IHRDC's highly regarded new E&P Project Development Workshop. For the Arlington Group, an IHRDC affiliate, he is also actively involved in technical and financial modeling studies of underground gas storage projects. After earning his Ph.D. degree in Petroleum and Natural Gas Engineering from Pennsylvania State University, Dr. Dogulu held a post-doctoral researcher position with the Energy and Geo-Environmental Engineering Department at Penn State. His areas of interest include numerical simulation and reservoir characterization. During his graduate studies Dr. Dogulu spent a summer as a Research Technologist at the Chevron Petroleum Technology Company developing reservoir simulation and management tools, including stream-tube techniques for modeling large oil reservoirs.

"The simulated game approach was a very effective way of demonstrating how an E&P project goes through the different stages."

–2010 participant

### Program Fee

5-DAY WORKSHOP: US\$3,750

IHRDC will provide a discount to companies who enroll five or more participants.

The fee for this Program includes instruction, instructional materials, breaks and lunch during session days and miscellaneous conference expenses. Fees do not include travel, hotel expenses or morning and evening meals; these are the responsibility of the enrollee. Payment should be made by wire transfer, credit card or by check in U.S. funds drawn on a U.S. Bank. Fees must be paid in full prior to the first day of the program.

# Enrollment Form

Fax this completed page to: 1.617.536.4396 or 1.617.247.6669

By mail, send to: IHRDC Management Programs

535 Boylston Street, Boston, MA 02116 U.S.A.

Questions? Call 1.617.536.0202 or E-mail us at registrar@ihrdc.com

## ENROLLMENT CODE

**IWEB12**

The Enrollment Code is required when registering for this course.

## OFFSHORE E&P PROJECT DEVELOPMENT WORKSHOP

HOUSTON, TEXAS

MARCH 26 – 30, 2012

\$3,750 (U.S.\$)

## CONTACT INFORMATION (Please type or print clearly.)

\_\_\_\_\_  
Name

\_\_\_\_\_  
Job Title/Position

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address

\_\_\_\_\_  
City/State

\_\_\_\_\_  
Country

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Fax

\_\_\_\_\_  
E-mail

## PAYMENT METHOD

Fee Enclosed

Please Invoice

Send to the attention of: \_\_\_\_\_

Mastercard

Visa

American Express

Discover

Card Number \_\_\_\_\_

Exp. Date \_\_\_\_\_

\_\_\_\_\_  
Signature of Cardholder

## 2012 Petroleum Business Workshops

### INTERNATIONAL LOCATIONS

#### HOUSTON

International Gas Business Workshop

JAN. 30 – FEB. 3, 2012

Building a World-Class Workforce: A Competency-Based Approach

FEBRUARY 13 – 17, 2012

Offshore E&P Project Development Workshop

MARCH 26 – 30, 2012

#### BALI

Petroleum Project Economics & Risk Analysis

FEBRUARY 13 – 16, 2012

International Gas Business Workshop

FEBRUARY 20 – 24, 2012

#### RIO DE JANEIRO

International Gas Business Workshop

MARCH 5 – 9, 2012

#### DUBAI

Building a World-Class Workforce: A Competency-Based Approach

MARCH 11 – 15, 2012

Overview of the International Petroleum Business

APRIL 16 – 19, 2012

#### DOHA

LNG Business Workshop

APRIL 22 – 24, 2012

#### KUALA LUMPUR

Building a World-Class Workforce: A Competency-Based Approach

JULY 9 – 13, 2012

# IHRDC

WORLDWIDE LOCATIONS

## IHRDC/CORPORATE HEADQUARTERS

535 Boylston Street, 12th Floor Boston, MA 02116 USA

Tel: 1.617.536.0202

Fax: 1.617.536.4396

Email: [corporate@ihrdc.com](mailto:corporate@ihrdc.com)

## IHRDC/HOUSTON

2500 CityWest Blvd. Suite 300 Houston, TX 77042 USA

Tel: 1.617.456.3409

Email: [houston@ihrdc.com](mailto:houston@ihrdc.com)

## IHRDC/AMSTERDAM

Coen de Koninglaan 35 1135CM Edam, The Netherlands

Tel: 31.299.373480

Email: [amsterdam@ihrdc.com](mailto:amsterdam@ihrdc.com)

## IHRDC/CAIRO

55, Road 206, Digla, Maadi, Cairo, Egypt

Tel: 20.22.519.7275

Fax: 20.22.519.7274

Email: [cairo@ihrdc.com](mailto:cairo@ihrdc.com)

## IHRDC/JAKARTA

Villa Melati Mas Block i.12a No. 12  
Serpong 13250

Tangerang, Banten, Indonesia

Tel: 62.21.68299480

Fax: 62.21.5372392

Email: [jakarta@ihrdc.com](mailto:jakarta@ihrdc.com)

## IHRDC/MALAYSIA

No: 42, Jalan 9/23A

Off Jalan Usahawan, Setapak

53200, Kuala Lumpur, Malaysia

Malaysia Mobile: 60.12.301.8297

Email: [malaysia@ihrdc.com](mailto:malaysia@ihrdc.com)

## IHRDC/LAGOS

Plot 93, Block 14, Akanbi Disu Street

Off Otunba Adedoyin Ogunbe Crescent

Lekki Phase 1, Lagos, Nigeria

Tel: 234.803.301.4101

Email: [lagos@ihrdc.com](mailto:lagos@ihrdc.com)