Dear all,

The Center for Integrated Operations in the Petroleum Industry (IO Center) works with development of methods, technology and work processes for real-time reservoir management and production optimization. One of the program's objectives includes establishment of a benchmark data base, Norne benchmark case, for research and trial activities. A massive amount of real field data from the Statoil-operated Norne field has now been provided by Statoil and partners ENI and Petoro. The main objective of establishing the Norne benchmark case is using real data instead synthetic one, in the petroleum related research which includes comparative studies of alternative methods for history matching and ultimately closed loop reservoir management. In cooperation with SPE, the IO Centre will organize an SPE applied technical workshop at 25 – 27 June 2013 in Trondheim, Norway with a title: **Integrated 4D Seismic & Production Data for Reservoir Management – Application to Norne (Norway)**

This workshop is designed for academia, research centers and oil and gas companies with an opportunity to share best practices in closed-loop reservoir management using real production and seismic data. The workshop consists of five sessions with the following titles:

- The Norne field introduction session
- Norne comparative case Study, Package 2 - Full Norne data
- Similar case studies
- Integration of different data types
- Using time lapse seismic data-challenges from pre-stack data and post-stack data.

**Since you are an active researcher in this area we would like to invite you to participate in the Norne comparative case study.** The Norne dataset will be made available to interested parties. The dataset consists of a 3D geological model (in Eclipse format); well-log data; production history of the field (including measurement errors); seismic data for 2001, 2003, 2004 and 2006 as well as corresponding differences. We would like participants to come up with a history match (either a single matched “best” model or a matched ensemble) based on the available data and an optimal production strategy (with or without infill drilling) until 2016 (10 years). Participants are invited to present their results in session 2 of the ATW.

The complete description of the database and the comparative case study is available in our website (http://www.ipt.ntnu.no/~norne/) as well as attachment of this email. The corresponding data are available in “http://www.ipt.ntnu.no/~norne/Full-norne/”. To get access to the Norne database you only need to fill in the license agreement form, which is available also in the website, and send it to us. If you have already filled the license before, inform us so that we will give you the new password for the full field database.

You will be given the preliminary information regarding the ATW later.

You are also welcome to participate in the other sessions of the ATW workshop. Please inform us your interest in three weeks from the day you receive this email.
Best Regards,

Richard Rwechungura (NTNU)

On behalf of Prof. Jon Kleppe(NTNU) and Lars Høier(Statoil)

The Center for Integrated Operations in the Petroleum Industry (IO Center)

Richard Rwechungura +4797412673  
Jon Kleppe +4791897300  
Lars Høier +47 99161281