Abstract Form : OLYMPUS Field Development Optimization Challenge

Participants are requested to the following information in the format below to be considered for the EAGE/TNO OLYMPUS workshop.

1. **Participants Name and affiliation**

2. **Exercise information**

   Please indicate which of the three OLYMPUS Challenge's exercises have been/will be solved

   - Well Control (WC), and/or
   - Field Development (FD), and/or
   - Joint FD + WC

   Indicate as well the specific optimization method(s) applied.

   Please note that it is not mandatory to have all three exercises completed. However, a higher chance of acceptance for oral presentation may be expected when two or all three of the exercises are being covered.

3. **Control parameterization used**

   Describe control parameterization and unique features in less than 100 words

4. **Distinguishing characteristics of workflow/technologies used**

   Describe unique characteristics For e.g. use of reduced order models/clustering/proxies etc.

5. **Objective function values**

Challenge exercise	Objective function values
Well Control (WC)	
Field Development (FD)	
Joint FD + WC	

   Provide mean objective function values of optimal control strategy evaluated over the full ensemble of models provided.

6. **Computational complexity to obtain results**

Challenge exercise	Total number of simulations*	Total no. of equivalent sims+
Well Control (WC)		
Field Development (FD)		
Joint FD + WC		

**- high fidelity simulations*

+ : Number of equivalent simulations in case of cloud/cluster computing.