



National Engineering  
Laboratory

# Produced Water Club Meeting

30 November 2023

Online Meeting

## AGENDA

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|--------------|--|---|
| <b>11:30</b> | <b>Welcome</b>   |   |
| <b>11:35</b> | <b>Chairman's Introduction</b>   | <b>Ming Yang</b> , TÜV SÜD National Engineering Laboratory (NEL), UK  |
| <b>11:40</b> | <b>Technical Presentations</b>   |   |
|              | <b>Re-purposing Produced Water for Re-Injection Applications</b>   | <b>Yaser Alduailej</b> , <b>Basil Alfakher &amp; Kern Smith</b> , Aramco, Saudi Arabia; <b>Saketh Mahalingam</b> , Aramco Overseas Company, UK  |
|              | <b>Model Predictive Control for Slug Flow Suppression and Water Treatment in Daily Operation of Oil Field Facilities</b> | <b>Zhanhao Zhang</b> <sup>1</sup> , <b>Steen Hørsholt</b> <sup>1</sup> , <b>Zhenyu Yang</b> <sup>2</sup> , <b>John Bagterp Jørgensen</b> <sup>1</sup> , <sup>1</sup> Technical University of Denmark (DTU), Denmark; <sup>2</sup> Aalborg University, Denmark |
|              | <b>Innovative Management of the Wastewater Produced in the H<sub>2</sub>S Scavenging of Natural Gas</b>                  | <b>Marco Maschiatti</b> , Aalborg University, Denmark   |
| <b>13:10</b> | <b>Lunch Break</b>   |   |
| <b>13:50</b> | <b>Technical Presentations</b>   |   |
|              | <b>Multifunctional Biomass Based Chemicals: H<sub>2</sub>S Scavenging</b>  | <b>Asger Munk Koue</b> , University of Copenhagen, Denmark  |
|              | <b>Produced Water and Chemicals in a Value Chain Perspective</b>   | <b>Anneli Bohne-Kjersem</b> , Equinor, Norway   |
|              | <b>Research into Links between Produced Water Characteristics and Oil Sheen Formation</b>                                | <b>Giovanni Bressiani Pedroso</b> , SENAI, Brazil, <b>Rogério Mesquit de Carvalho</b> , Petrobras, Brazil   |
|              | <b>Upcoming Produced Water Treatment Challenges Related to Carbon Capture &amp; Storage (CCS) and Geothermal</b>         | <b>Steven Tulloch</b> , Shell Global Solutions International B.V., the Netherlands  |
| <b>15:50</b> | <b>Discussion</b>  |   |
| <b>16:10</b> | <b>Meeting Close</b>   |   |