

UNIT SIG report

**Krishna Murthy Penukonda
CAPE-OPEN 2019 Annual Meeting
Amsterdam, The Netherlands
October 23, 2019**

Outline

- **Report period: October 2018 till September 2019**
- **Key responsibilities**
- **Members**
- **Update on Petroleum Fractions specification**
- **Objectives for 2019/2020**

Charter

- **Maintain and publish the standard**
- **Respond to issues raised by developers and users**
- **Prioritize registered issues and give recommendations on solutions**
- **Promote and support the use of the CAPE-OPEN interface for Unit Operations**

Unit SIG Members

- **Members:**
 - Krishna Murthy Penukonda (Aveva)
 - Michel Pons (CO-LaN)
 - Jasper van Baten (AmsterCHEM)
 - Michael Hlavinka (Bryan Research & Engineering)
 - Richard Szczepanski (KBC Advanced Technologies)
- **Join? Contact Krishna Murthy Penukonda**
- **Monthly phone meetings**
 - **Follow them on website. Subscribe to RSS feed.**

Objectives for 2018/19

- **Petro Fractions**
 - **Submit specification for Request For Comments**
 - **Publish Petroleum Fractions specification**
 - **Produce an IDL against the textual specification**
- **Continue to maintain Unit specification and E&C**
- **Prepare for COBIA**
- **Dynamic unit / Equation-oriented**
 - **on hold until business cases justify action**

Update on Petroleum Fractions specification

- **Clarifications brought to the process of modifying Petroleum Properties**
 - Use Cases / description of interfaces
- **Possibility to mention through which method a Petroleum Property is established**
- **Definition of a standard way to name method to measure Petroleum Properties**
- **Extensive review of the table listing the names of Petroleum Properties and their main methods of measurement**

Objectives for 2019/2020

- **Petro Fractions**
 - **Produce an IDL against the textual specification**
 - **Submit specification for Request For Comments**
 - **Before end of 2019**
 - **Publish Petroleum Fractions specification**
- **Continue to maintain Unit specification and E&C**
- **Prepare for COBIA**
- **Dynamic unit / Equation-oriented**
 - **on hold until business cases justify action**