



**Progress Meeting  
TUD, Delft, Netherlands**

**Tuesday 2 October 2018**

09:00	Welcome (Rohde)
09:10	Brief coordinator message (Roelofs)
<b>Plenary session - Mariano</b>	
09:15	Backward Facing Step experiments (Jäger, KIT) [WP1]
09:35	Confined Backward Facing Step DNS (Oder, JSI) [WP1]
09:55	Low Prandtl Wind Tunnel BFS and free jet experiments (Buckingham, VKI) [MYRTE]
10:15	Rod Bundle 7-pin Mock-up for Hydraulic Validation (Bertocchi, TUD) [WP2]
10:35	Break
11:00	Flow Blockage Formation Experiments (Litfin, KIT) [MYRTE]
11:20	Fretting Experiments (Weisenburger, KIT) [MYRTE]
11:40	Inter-wrapper flow LBE experiment (Pacio, KIT) [WP2]
12:00	NACIE Fuel Assembly experiments (Marinari, ENEA) [WP2]
12:30	Lunch
14:00	ESCAPE Experiments (Van Tichelen, SCK) [MYRTE]
14:30	CIRCE-HERO Experiments (Tarantino, ENEA) [WP4, MYRTE]
15:00	Meliloo Solidification Experiments (Melichar, CVR) [WP3]
15:30	Break
16:00	TALL Experiments for Solidification and Pool (Grishchenko, KTH) [WP3,4]
<b>System Thermal Hydraulics - Antoine</b>	
16:30	Multiscale modelling at CEA for Phenix (Gerschenfeld, CEA)
16:50	Multiscale modelling at NRG for Phenix (Uitslag-Doolaard, NRG)
17:10	Multiscale modelling at ANL for a complete core and Phenix (Kraus, ANL)
17:30	Adjourn

## Wednesday 3 October 2018

Parallel	System Thermal Hydraulics (SESAME WP5 / MYRTE) - Antoine
09:00	CIRCE-HERO Benchmark (Lorusso, URom) [MYRTE, WP5]
09:20	Multiscale modelling at NRG for CIRCE (Zwijssen, NRG) [WP5]
09:40	Multiscale modelling at UniPi for CIRCE and NACIE-UP (Marinari, UniPi) [MYRTE, WP5]
10:00	Multiscale and STH modelling at SCK for CIRCE (Hamidouche, SCK) [MYRTE]
10:20	Multi-physics modelling fuel assembly (Diaz-Chiron, CIEMAT) [MYRTE]
10:40	Break
11:05	Multiscale modelling at KTH for TALL (Grishchenko, KTH) [WP5]
11:30	Multiscale modelling and UQ of TALL using ATHLET-ANSYS CFX (Papukchiev, Liu GRS/TUM) [WP5]
12:00	STH modelling and UQ of NACIE using ATHLET (Hollands, GRS) [WP5]
12:30	Lunch

Parallel	Pool Thermal Hydraulics (SESAME WP3 / MYRTE) – Vincent
09:00	POD-ROM modelling for TALL (Yanez, KIT) [WP3]
09:15	Pool modelling for TALL (Grishchenko, KTH) [WP3]
09:35	Solidification modelling at CVR (Frybort, CVR) [WP3]
09:55	Solidification modelling at KTH (Grishchenko, KTH) [WP3]
10:15	Pool modelling for ALFRED (Moreau, CRS4) [WP3]
10:35	Break
11:05	Pool modelling for CIRCE (Dovizio, NRG) [MYRTE]
11:25	Pool modelling for ESCAPE (Keijers, SCK) [MYRTE]
11:45	Pool modelling for ESCAPE & ALFRED (Visser, NRG) [SESAME & MYRTE]
12:05	Pool modelling for CIRCE and MYRRHA (Moreau, CRS4) [SESAME & MYRTE]
12:30	
	<b>Pool Thermal Hydraulics Plenary (MYRTE) – Ferry</b>
13:30	Comparison of MYRRHA Pool models (Keijers, SCK) [MYRTE]
	<b>Core Thermal Hydraulics [SESAME WP2 / MYRTE] - Abdalla</b>
14:00	61-pin bundle wire wrapped fuel assembly LES (Kraus o.b.o. Obabko, ANL)
14:20	Fuel assembly modelling wire wraps (Dovizio, NRG)
14:40	UQ for wire wrapped fuel assemblies (Kraus o.b.o. Pointer, ORNL)
15:00	Bare bundle DNS (Stalio, UMR)
15:30	Break
16:00	Fuel assembly modeling for grid spacers applied to NACIE and ALFRED (Mathur, NRG)
16:30	Complete core modeling (Geffray, CEA)
17:00	Complete core modeling (Kraus, ANL)
17:30	Adjourn

## Thursday 4 October 2018

Turbulent Heat Transport & Vibrations [SESAME WP1 / MYRTE] - Afaque	
09:00	Confined Backward Facing Step LES (Otic, KIT)
09:20	Mixed Convection (Niceno, PSI)
09:40	Free Jet (Cascioli, SCK) [MYRTE]
10:00	Mixing jets (Stalio/Angeli, UMR)
10:30	Break
11:00	Turbulence heat flux modelling (Shams, NRG) [SESAME & MYRTE]
11:15	Turbulence heat flux modelling (Cascioli, SCK) [MYRTE]
11:30	Turbulence heat flux modelling (Villa, VKI) [SESAME & MYRTE]
11:45	Turbulence heat flux modelling (Narajaran, ASCOMP)
12:00	Vibration Modelling for 7-pin experiment (Degroote, UGent)
12:15	Vibration Modelling for 7-pin experiment (De Santis, NRG)
12:30	Lunch
SESAME Plenary Session - Mariano	
14:00	Education Training, and Dissemination (Planquart, VKI) [SESAME & MYRTE]
14:15	SESAME Coordination Messages (Roelofs, NRG)
14:45	SESAME Project Office (Kampata, LGI)
15:15	Adjourn/Break

## Thursday 4 October 2018

15:30 – 17:30 SESAME PMB