

TFV_OUTL meeting

Date:	11 th to 12 th June 2025
Venue:	ENEA Frascati (in presence), Aula Pieroni
Files (IDM):	TBD
External Link	None
Version	1.0

Objective

The meeting aims at illustrating the current status of the DEMO OUTL design, the ultimate modifications and the progress of the running activities.

Participants

ASI	Alessia Santucci (ENEA)	DCO	Damiano Capobianco (RINA)
VNI	Vincenzo Narcisi (ENEA)	MDO	Matteo D'Onorio (Sapienza)
LSI	Linda Sansosti (ENEA)	TGR	Tommaso Glingler (Sapienza)
GGW	Gabriele Grapow (ENEA-Sapienza)	MMI	Martina Molinari (Sapienza)
ABI	Andrea Bufalini (RINA)	FHB	Federico Hattab (Sapienza)
DRI	Davide Ressegotti (RINA)	TGH	Thomas Giegerich (KIT)
RRI	Rodolfo Ricci (RINA)	CTS	Christos Tantos (KIT)

n/a	Chair	TFV_OUTL meeting
n/a	Meeting Secretary	page 1 of (3)

Agenda

No	Items	Day	Start	End	Participants
1	Welcome	11/6 (Wen)	09:30	09:45	ASI
2	Activity status in OUTL		09:45	10:45	VNI
	<i>Coffee break</i>		10:45	11:15	
3	System level simulation analysis of the EU DEMO LAR OUTL • Status of Fuel Cycle modeler • Focus on OUTL • Open points		11:15	11:55	FHB
4	Initial development of a control strategy for fuel cycle OUTL		11:55	12:15	GGW
	Discussion		12:15	13:00	All
	<i>Lunch break</i>		13:00	14:00	
5	EPS-IRS double stage permeator • HyPe characterization • MeSMer characterization • Double stage experiment		14:00	14:40	GGW, LSI
6	RAMI data collection for OUTL		14:40	15:00	TGR
7	Gas flow simulations through permeators modules using DIVGAS: • HyPe experiments • SAETTA calculations • DIVGAS overview		15:00	15:50	FHB, CTS
	<i>Coffee break</i>		15:50	16:20	
8	Welding of Pd-Ag tubes		16:20	16:40	DCO
9	Assessment of palladium membrane degradation due to mercury contamination		16:40	16:50	LSI
	Discussion		16:50	17:30	All
	<i>Dinner</i>		19:30	22:00	

No	Items	Day	Start	End	Participants
10	High temperature Sieverts-type apparatus	12/6 (Thu)	09:30	10:00	VNI
11	Assessment of a WDS based on WD & LPCE and impact on the ISS 2025 design update: EDS and CPS 2025 design update: WDS and ISS		10:00	11:00	VNI, DRI
	<i>Coffee break</i>		11:00	11:30	
12	Improved laboratory scale LPCE modelling and design		11:30	12:00	RRI
13	General updates on fuel cycle (F4E, DEMO LAR, VNS, Start-up, etc.)		12:00	12:45	ASI, TGH
	<i>Lunch break</i>		12:45	14:00	
	General discussion		14:00	15:30	All