

PRD-LMD End-of-year/Kick-off meeting

Introduction

Thomas Morgan

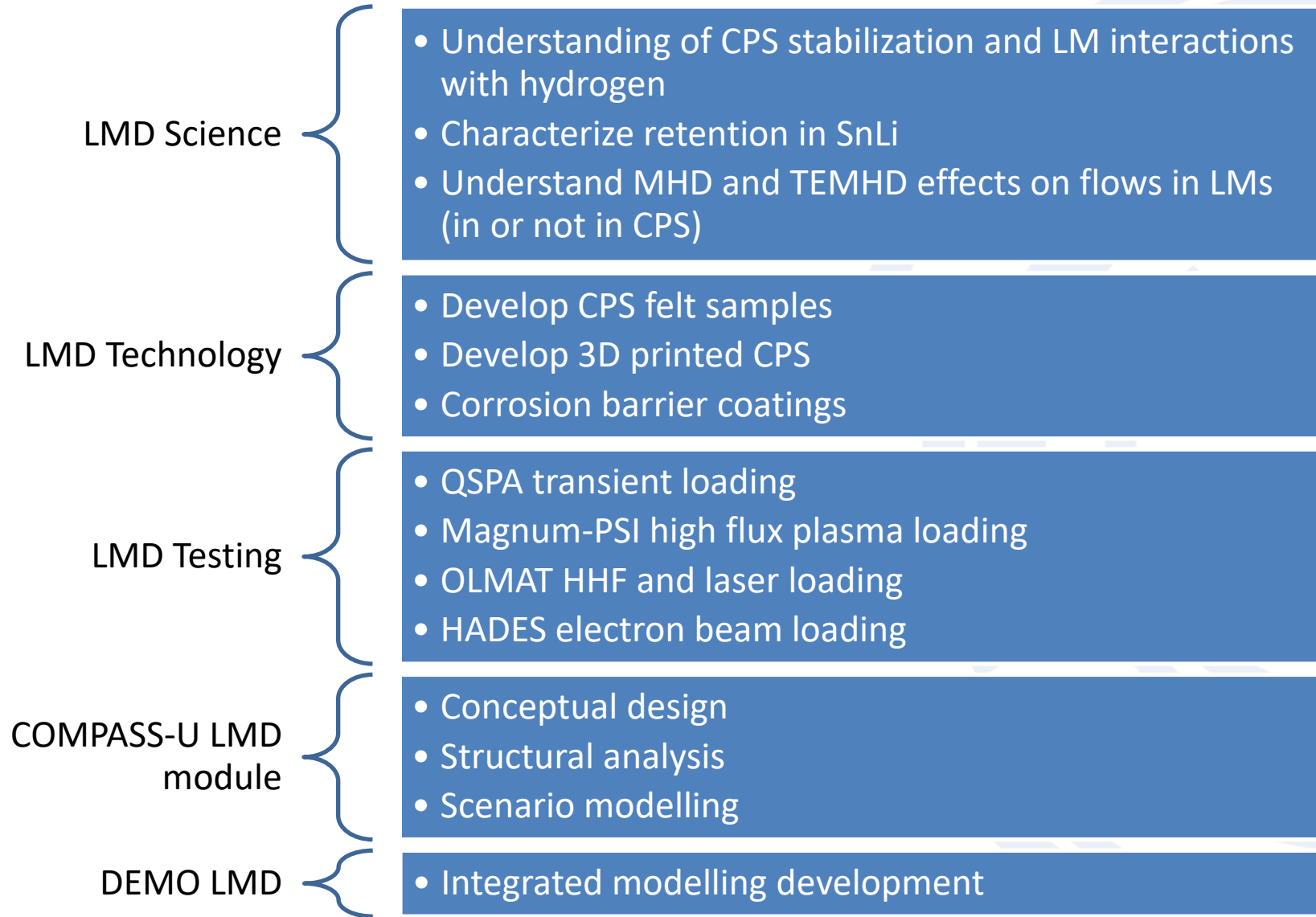


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Overview of PRD-LMD in 2024





Tasks and deliverables 2024

Research Unit	Deliverable 2024
KIPT	Evaluation of damage mechanisms of CPS structure under transient plasma loads and characterization of ejected droplets and solid particles
PoliTo	Integrated model of AUG with Sn LMD Refined SOLPS-ITER model of DEMO with Sn LMD
IPUL	Evaluation of influence of thermoelectric phenomena on LM flow Assessment of MHD flow in CPS
IPPLM	COREDIV and TECXY analysis of LM-CPS performance in COMPASS-U high-performance discharges
ENEA	Characterization of corrosion barrier properties and production of compressed Felt CPS samples
CIEMAT	Evaluation of CPS target designs under NBI and laser pulsed loading
UKAEA	Conceptual design of the COMPASS-U LM-CPS test module
DIFFER	Evaluation of droplet production and suppression conditions in LMs
IPP.CR	Integrated LMD divertor assembly design for COMPASS-U, and coupled modelling of COMPASS-U discharges
CEA	Evaluation of LMD target performance under electron-beam loading
IST	D retained amount in SnLi COMPASS module



Financial outlook PRD-LMD 2024 (not finalized)

Research Unit	PM's (50%)	PM's Ops (40%)	Machine cost (70%)	EGS (40%)
KIPT	2	5	0	25
PoliTo	6	0	0	0
IPUL	4	0	0	0
IPPLM	3	0	0	0
ENEA	7	0	0	18.75
CIEMAT	6	6	0	0
UKAEA	3	0	0	0
DIFFER	3	0	48	0
IPP.CR	12	0	0	0
CEA	1	1.4	5	0
IST	1	0	0	4.2



Reporting 2023

- Please do not forget to complete Deliverable reports for 2023
- Deadline 31/3/2024
- Can find template at <https://idm.euro-fusion.org/default.aspx?uid=2N3JCD>
- Email to: gaetano.bongiovi@unipa.it and t.w.morgan@diffen.nl
- Upload to IDM: <https://idm.euro-fusion.org/?uid=2QEFUT>



Agenda Today's meeting

Title	Speaker	Time
Introduction	Thomas Morgan	9:30 ('5)
Update and Plans Polito	Giuseppe Nallo	9:35 ('12+'3)
Update and Plans IFPILM	Irena Ivanova-Stanik	9:50 ('12+'3)
Update and Plans UL	Imants Kaldre	10:05 ('12+'3)
Break		10:20 ('10)
Update and Plans IPP.CR/IST	Renaud Dejarnac	10:30 ('12+'3)
Update and Plans UKAEA	David Horsley	10:45 ('12+'3)
Update and Plans ENEA/CEA	Matteo Iafrati	11:00 ('12+'3)
Break		11:15 ('10)
Update and Plans DIFFER	Thomas Morgan	11:25 ('12+'3)
Update and Plans CIEMAT	Eider Oyarzabal	11:40 ('12+'3)
Update and Plans KIPT	Vadym Makhelai	11:55 ('12+'3)
Conclusions and Discussion	Thomas Morgan	12:10 ('20)
End		12:30