

**"Second Training School of the PITHIA-NRF Plasmasphere Thermosphere and Ionosphere Integrated Research Environment supported by T-FORS Machine Learning models" Programme**

	Monday, 5 February 2024	Tuesday, 6 February 2024	Wednesday, 7 February 2024	Thursday, 8 February 2024	Friday, 9 February 2024	
8:30						8:30
8:45						8:45
9:00		Walk in	Walk in	Walk in	Walk in	9:00
9:15						9:15
9:30						9:30
9:45						9:45
10:00		"Fundamentals in thermosphere", Sean Bruinsma (CNES)	"LSTIDs: sources, propagation characteristics, detection techniques", David Altadill (OE)	"MSTIDs: sources, propagation characteristics, detection techniques", Sivakandan Mani (IAP-L)	Work Groups in Action	10:00
10:15						10:15
10:30						10:30
10:45		Coffee Break	Coffee Break	Coffee Break	Coffee Break	10:45
11:00						11:00
11:15						11:15
11:30		"ML-AI", Giovanni Lapenta (KU Leuven)	"Dynamic kinetic model of the plasmasphere", Viviane Pierrard (BIRA-IASB)	"TID nowcasting models - MSTIDs (focused on CDSS)", TBC (IAP-P)	Work Groups in Action	11:30
11:45						11:45
12:00						12:00
12:15			"Themospheric models", Sean Bruinsma (CNES)	"TID forecasting models - MSTIDs", Sivakandan Mani (IAP-L)	Work Groups in Action	12:15
12:30		"Instrumentation (ground and space)", Tobias Verhulst (RMI)				12:30
12:45			"Ionospheric irregularities & scintillations", Luca Spogli (INGV)	TBD		12:45
13:00	Lunch / Registration / Opening					13:00
13:15						13:15
13:30		Lunch Break			Lunch Break	13:30
13:45			Lunch Break			13:45
14:00						14:00
14:15				Lunch Break		14:15
14:30	"Solar wind - magnetosphere interactions", Stefaan Poedts (KU Leuven)	"PITHIA-NRF e-Science Centre: how to discover, access, register data collections", Tamas Kiss (UoW)	"EISCAT data collections", Anders Tjulin (EISCAT)		Work Groups Presentations	14:30
14:45						14:45
15:00		"Heliospheric data and model results", Michaela Brchnelova (KU Leuven)	"GIM maps", Manuel Hernandez-Pajares (UPC)	Work Groups Introduction & Kick-off		15:00
15:15	Coffee Break					15:15
15:30						15:30
15:45		Coffee Break	Coffee Break	Coffee Break	Evaluation of Work Groups Results	15:45
16:00	"Fundamentals in plasmasphere", Fabien Darrouzet (BIRA-IASB)					16:00
16:15		"Ionospheric predictions for large scale storms", Anna Belehaki (NOA)	"TID nowcasting models - LSTIDs", Antoni Segarra (OE)		Announcement of Work Groups Evaluation	16:15
16:30						16:30
16:45				Work Groups in Action	Farewell	16:45
17:00	"Foundametals in ionosphere", Luca Spogli (INGV)	TBD	"TID forecasting models - LSTIDs", Luca Spogli/Claudio Cesaroni (INGV)			17:00
17:15						17:15
17:30						17:30