COMET Plasma plume effects in the context			
of electric propulsion: a state of play			
	9:00 – 9:10	Welcome + Short introduction	C. Boniface - CNES, P. Sarrailh - ONERA
1) Experimental characterization and modeling of the plasma plumes			
1.1	9:10 – 9:30	Way of improving Electrical Thruster plumes modelling	<u>L. Garrigues</u> – CNRS
1.2	9:30 – 9:50	Particle-In-Cell models of Hall thruster plumes: from hybrid to full kinetic three-dimensional representation	F. Taccogna -CNR
1.3	9:50 – 10:10	Effect of the geomagnetic field on the expansion of a 3d plasma plume: hybrid PIC/fluid simulations	F. Cichocki, M. Merino, <u>E.</u> <u>Ahedo</u> – UC3M
1.4	10:10 – 10:30	Characterization of Hall thruster plume by way of Langmuir probes, energy analyzers and ExB probes	S. Mazouffre – CNRS
1.5	10:30 – 10:50	Plasma plume characterization	PQ. Elias, D. Packan – ONERA
Coffee break (15 min)			
2) Experimental characterization and in-flight experiments of plasma plume effects			
2.1	11:05 – 11:25	Modelling, Analysis and validation : plasma plume challenges	B. Zitouni, J Laube – OHB
2.2	11:25 – 11:40	Effect of erosion and contamination on the material thermal control and on the electrostatic discharge threshold	V. Inguimbert – ONERA
2.3	11:40 – 11:55	Arcing and direct-drive	V. Inguimbert – ONERA
2.4	11:55 – 12:15	Challenges to accurate ground measurements of	O. Duchemin – SAFRAN
		plasma plume divergence in Hall thrusters	
Lunch (1h45)			
3) Spacecraft plume interaction at the system level			
3.1	14:00 – 14:20	Modeling of the electrostatic behavior of the spacecraft interaction with plume at the Spacecraft system	S. Hess, <u>P. Sarrailh</u> – ONERA
3.2	14:20 – 14:40	Numerical simulations of electric propulsion multifiring	V. Perrin, <u>A.Sita,</u> A. Iffly – TAS
3.3	14:40 – 15:00	System analysis of erosion and contamination	T. Lagrée – ADS
3.4	15:00 – 15:20	RF Impact of HET Thruster on Antenna Radiation Patterns and On-board Receivers	A. Piche – ADS
4) Round table on the new missions and perspectives			
	15:20 – 16:30	<ul> <li>Discussion and synthesis on the subjects treated during the previous sessions</li> <li>What the new constraints for future missions?</li> <li>Constraints on the plume effects can be take into account in the thrusters design? or should be prevent at the system level or at the level of the other sub-systems?</li> </ul>	Everybody
End of meeting			