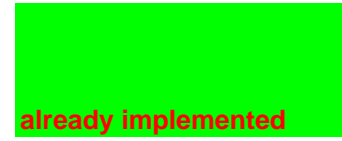


			leading nodes	plasma	interior and surfaces	small bodies
			leading institution	IWF Graz	DLR Berlin	IFSI Frascati
			institutes involved	CESR/CDPP Toulouse		
DWGs	description	leader				
DWG 1	Atmospheres, ionospheres, exospheres	F. Leblanc, MPS, DLR, A. Millillo, E. Kallio				
					quantifying Martian geochem. reservoirs	activity of cometary nuclei
DWG 2	magnetospheres and plasmas	E. Bunce, P. Zarka, G. Erdős		Solar wind interaction at Saturn and aurora (Planetary aurorae and their electrodynamic drivers: solar wind vs. internal processes)		
				plasma interaction with icy moons		activity of cometary nuclei
				periodic signatures at Saturn	solar wind comet surface interaction	solar wind comet surface interaction
DWG 3+5	surface science + planetary moons	C. Sotin, A. Coustenis		plasma interaction with icy moons	plasma interaction with icy moons	
					dating planetary surfaces	
					solar wind comet surface interaction	solar wind comet surface interaction
					Surface material composition	
					The Use of Terrestrial Analogues in Studies of the Martian Surface	
					exchange surface and interior, (Enceladus – A Small Active Icy Satellite)	
DWG 4+9	small bodies and dust + solar system formation	H. Krüger, (A. Graps), T. Mäkinen				dust contributions for zodiac cloud
				activity of cometary nuclei		structure of Kuiper belt
						solar wind comet surface interaction
						optimization of Rosetta output (What can we expect in the different mission phases and heliocentric distances for the Rosetta mission of the CO, CO2, H2O gases and dust fluxes from comet Churyumov-Gerasimenko)
DWG 6	exo / astrobiology	F. Raulin, C. Cockell			exchange surface and interior, (Enceladus – A Small Active Icy Satellite)	optimization of Rosetta output (What can we expect in the different mission phases and heliocentric distances for the Rosetta mission of the CO, CO2, H2O gases and dust fluxes from comet Churyumov-Gerasimenko)
DWG 7	exoplanets	H. Lammer, H. Lichtenegger, G. Tinetti		planets under extreme solar conditions		
DWG 8	planetary interior and composition	M. Toplis			quantifying Martian geochem. reservoirs	
					Mars Tectonics – The Link Between Surface And Interior	
					exchange surface and interior	
			leading nodes	plasma	interior and surfaces	small bodies

Science topics
currently being worked
on in the leading nodes

Selected science cases
from N7 for fast
implementation



atmospheres
IPSL Paris
Understanding super-rotation
Mars atmosphere measured by Spicam and GCM visualisation tool
Titan ion chemistry catalogue of IR and Raman spectra
Solar wind interaction at Saturn and aurora
Titan ion chemistry
quantifying Martian geochem. reservoirs
Titan ion chemistry
planets under extreme solar conditions
atmospheres