

Current Science Case numbering as published in the User Requirements Document

N2-SC	Title / Description	N2-DWG	proposer	contact
SC1	Understanding super-rotation	1	Grieger	
SC2	Titan Ion Chemistry	1,2,6	Leblanc, Dutuit	Dutuit
SC3	Solar wind interaction with Jupiter and Saturn aurorae	2	Krupp	Topf
SC4	What is the origin of the planetary modulated (quasi-periodic) signatures at Saturn?	2	Krupp	
SC5	Investigation of the interaction of magnetospheric plasma with icy moons in the Saturnian system and other giant planet systems	2,3+5	Krupp	
SC6	Definition and archiving of ground-based observations in support of space missions		Coustenis	
SC7	Catalogue of IR and Raman spectra of gas CH4 coefficients, organics	1, 6	Coustenis	
SC8	Dating planetary surfaces from cratering processes: formation of the solar system	3+5	Coustenis	
SC9	Quantifying the Martian geochemical reservoirs	1,3+5,8	Toplis	
SC10	Exchange processes between surface and interior of icy moons	8	Grasset	
SC11	What are the relative contributions of asteroidal dust, cometary dust, meteor streams, interstellar dust and circumplanetary dust to the structure of zodiacal cloud as a function of heliocentric distance, latitude and time	4+9	Graps	
SC12	What is the dynamical and morphological structure of the Kuiper belt	4+9	Graps	
SC13	Comet C-G outgassing	1,2,4+9,6	Schmidt	
SC14	Solar wind-comet surface interaction	2,3+5,4+9	Schmidt	
SC15	Surface material composition	3+5, 6	Schmidt	
SC16	Distant activity, outbursts, splitting and disruption of cometary nuclei	4+9,6	Mäkinen	
SC17	Planets under extreme stellar conditions	7, 6	Lammer	
SC18	Tectonics on Mars	8	Jaumann	
SC19	Terrestrial analogues in studies of the Martian surface	3+5	Jaumann	
SC20	Enceladus	3+5,6	Jaumann	
SC21	Mars atmosphere measured by Spicam and GCM visualisation tool	1	Sarkissian	

Correlation matrix between N2 numbering (2007) and new scheme

Responsible Node:	Responsible				
	Interiors	Atmospheres	Plasma	Small Bodies	Techn.node
		SC2.4			
		SC2.1			
		*	SC3.1		
			SC3.2		
	*		SC3.3		
	*	*	*	*	SC0.1
		SC2.2			*
	SC1.1				
	SC1.2	*			
	SC1.3				
				SC4.1	
				SC4.2	
		*	*	SC4.4	
	*		*	SC4.5	
	SC1.4				
				SC4.3	
		*	SC3.4		
	SC1.5				
	SC1.6				
	SC1.7				
		SC2.3			

DWG	Description	Responsible
1	Atmospheres, ionospheres, exospheres	E.Kallio, F.Lebanc, A.Millillo,
2	Magnetospheres and plasmas	E.Bunce, P.Zarka, G.Erdös
3+5	Surface science + planetary moons	C.Sotin, A.Coustenis
4+9	Small bodies and dust + solar system formation	H.Krüger, (A.Graps), T.Mäkinen
6	Exo / astrobiology	F.Raulin, G.Tinetti
7	Exoplanets	H.Lammer, H.Lichtenegger, H.Rauer
8	Planetary interior and composition	O. Grasset, M.Toplis

Source: EPN N2 meeting minutes October 2007, Helsinki