

SPICA collaboration meeting program

Saclay - Monday 28th October



	09:00 - 09:00	0:00	Entry - CEA	
IC-1	09:00 - 10:30	1:30	Pedro Garcia-Lario	SPICA ground segment meeting
IB-1	10:30 - 12:30	2:00	Qinquelateral- ESA, JAXA, SAFARI, B-BOP	Collaboration organization Phase A planning, milestones, inputs Path to TRL 5, required maturity levels Technical issues/priorities
	12:30 - 13:15	0:45	Lunch	
	13:00 - 13:15	0:15	Entry - INSTN	
IA-1	13:15 - 13:20	0:05	Peter Roelfsema	Opening - logistics
IA-2	13:20 - 13:30	0:10	Peter Roelfsema	The SPICA collaboration - aims of this meeting
IA-3	13:30 - 13:45	0:15	Peter Roelfsema	Project status - M5 Collaboration overview - context/status/progress Programmatic context - ESA, JAXA, instrument consortia SPICA and its instruments The SPICA Yellow Book SPICA SST - progress and plans, towards the Yellow Book Outlook/timeline
IA-4	13:45 - 14:00	0:15	Astrid Heske	ESA project - outlook, plans, timeline
IA-5	14:00 - 14:15	0:15	Toru Yamada	SPICA status in Japan
IA-6	14:15 - 14:25	0:10	Tohru Nagao	SPICA science promotion in Japan
IA-7	14:25 - 15:10	0:45	ESA/JAXA	SPICA - mission configuration, development progress and plans Satellite Cooling system FPI configuration
	15:10 - 15:25	0:15	Coffee/Tea	
			Instruments - overview	consortium status, instrument concept and projected performance
IA-8	15:25 - 15:45	0:20	Roelfsema/Jellema	SAFARI
IA-9	15:45 - 16:15	0:30	Hidehiro Kaneda/Naoki Isobe	SMI
IA-10	16:15 - 16:35	0:20	Marc Sauvage	B-BOP
IA-11	16:35 - 16:55	0:20	Pedro Garcia-Lario	Mission operations
	<i>End of plenary session</i>			
IB-2	17:00 - 18:30	1:30		Heads of Nation meeting

Main hall (Amphit�atre)
Cassini room - Astrophysics Dept. ground floor
Kepler room - Astrophysics Dept. second floor
Room B2
Room B4
Room A3

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	8:45 <i>sharp</i>		Buses leave from Massy-Palaiseau	
	09:15 - 09:30	0:15	Entry	
	09:30 - 13:00	3:30	Planet forming systems Honda/Kamp/Nomura	
IIC-1				Short update from the SST
IIC-2				White papers status report
IIC-3				Yellow Book - our section: "Unraveling the physical conditions for planet formation" - what are the key questions SPICA will solve for planetary systems? - do we miss important science? - timeline of the yellow book process - identify work required to support yellow book and WG members who >> will do it - identify high level figures to be made - identify potential "Nature/Science" results
IIC-4				Design of the reference mission - which observing strategies for the various science cases - target selection - synergies among science cases
IIC-5				Next steps/management of the process towards ESA down selection
	09:30 - 13:00	3:30	Galaxy evolution Work Group I Elbaz/Kohno/Nagao/Spignolio	
IIB-1		0:10		Introduction Brief reports from the WP coordinators - a) illustrating the 4 points: 1- a few key questions related to their WP, with one major question and up to 3 secondary questions 2- the use of survey and follow-up data to address these key questions 3- identify the key role of SPICA 4- identify the information from other sources, its complementarity with SPICA and what makes SPICA the critical missing piece.
IIB-2		0:10	Alberto Franceschini/Georgios M	WP1 - AGN/SB Coevolution
IIB-3		0:10	Miguel Pereira-Santaella	WP2 - Feedback and Feeding
IIB-4		0:10	Juan Antonio Fernandez-Ontivero	WP3 - Chemical and Dust Evolution
IIB-5		0:10	Pablo Perez-Gonzalez/Carlotta Gi	WP4 - Cosmic Star Formation History
IIB-6		0:10	Giulia Rodighiero	WP5 - Clustering: Environment & Protoclusters
IIB-7		0:10	Simona Gallerani	WP6 - High-z galaxies and quasars
IIB-8		0:10	Matthieu Bethermin (TBC)/Francc	WP7 - Galaxy Polarization
IIB-9		0:10	TBD	WP8 - Dark Matter & Clustering
				Brief reports from the TWP coordinators: b) workplan, methods of adopted approach and expected results of the synergies.
IIB-10		0:10	Carlotta Gruppioni / Laura Bisigell	TWP1 - Modeling for SPICA
IIB-11		0:10	Francesca Pozzi	TWP2 - Athena/X-ray synergies
IIB-12		0:10	Carlotta Gruppioni (TBC)	TWP3 - ALMA/submm synergies
IIB-13		0:10	Pablo Perez-Gonzalez	TWP4 - JWST synergies
IIB-14		0:10	Dave Clements	TWP6 - SKA/radio synergies
IIB-15		0:10	Stephen Sergeant	TWP7 - Euclid synergies
IIB-16		1:00	All	Splinters among various WPs, e.g.: (WP1+WP2+WP3), (WP4+WP5), to be organised on the spot.
			SAFARI	
IIA-1	09:30 - 10:55	1:05	Willem Jellema (lead)	SAFARI system level
IIA-2		0:30	Willem	SAFARI - instrument concept, trade-offs and projected performance
IIA-3		0:20	Russ	SAFARI Observing modes, observation simulator, time estimator
IIA-4		0:15	Luc	System budgets and interfaces

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I/A-5	10:55 - 11:45	0:50	Willem Jellema (lead)	SAFARI disciplines
I/A-6		0:20	David Arrazola	Optical
I/A-7		0:15	Josefina Torres	FPU mechanical incl GM
I/A-8		0:15	Sylvain Martin	Thermal
	11:45 - 12:00	0:15	Coffee/Tea	
I/A-9	12:00 - 12:40	0:40	Willem Jellema (lead)	SAFARI disciplines - subsystems
I/A-10		0:15	Dennis van Loon	Electrical
I/A-11		0:15	Alain Cournoyer	FTSM development
I/A-12		0:10	David Naylor	FTSM cryo tests
			SAFARI/B-BOP - common aspects	
I/A-13	12:40 - 13:00	0:20	Lionel Duband - TBD others	mK Coolers
	13:00 - 14:00	1:00	Lunch	

Main hall (Amphit�atre)
Room B2
Room B4
Room A3

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	13:00 - 14:00	1:00	Lunch	
			ISM and Star formation Work Group	
		3:35	Griffin/Onaka/Sauvage	
IIC-6	14:00 - 14:15	0:15	Takashi Onaka	Goal of this meeting and the schedule of the Yellow Book preparation (T. Onaka) Updates of the major science cases
IIC-7	14:15 - 14:30	0:15	Philippe André	Magnetic fields and star formation in filamentary clouds
IIC-8	14:30 - 14:45	0:15	Doris Arzoumanian/Sylvain Bontemps	Energy dissipation and large structures of magnetic fields in the ISM
IIC-9	14:45 - 15:00	0:15	Brunella Nisini	Low-mass pre and proto-stellar sources
IIC-10	15:00 - 15:15	0:15	Sergio Molinari/Davide Elia	Magnetic fields in intermediate/high-mass star formation
	15:15 - 15:35	0:20		Break
IIC-11	15:35 - 17:35	2:00	All	Discussion Identify the major questions in the ISM/SF with SPICA Identify the leads of sub-groups Identify the tasks for the YB preparation
			Solar system/Exo planet Work Group	
	14:00 - 17:30	3:30	Griffin/Nomura/Roelfsema	
IIB-2				Introduction - SST update - SPICA Yellow Book context - SSEPWG subgroups and membership
IIB-2				Mission constraints and solar system/exoplanet observation requirements
IIB-3				Solar system programme status and plans
IIB-4				Exoplanet programme status and plans
IIB-5				Future telecons
			SAFARI	
IIA-14	14:00 - 15:00	1:00	Willem Jellema (lead)	SAFARI disciplines - subsystems (cont.)
IIA-15		0:15	Ming-Jye Wang	CSA
IIA-16		0:15	Oliver Krause	BSM
IIA-17		0:15	Anna di Giorgio	ICU
IIA-18		0:15	Willem Jellema	Forward plan
IIA-19	15:00 - 17:00	2:00	Gert de Lange (lead)	Detector system
IIA-20		0:20	Gert de Lange	Introduction
IIA-21		0:20	Matt Bradford/Matt Kenyon	Progress at JPL Progress in the UK:
IIA-22		0:10	Rebecca Harwin	Magnetic modelling and measurements of MoAu bilayer TESs
IIA-23		0:10	Emily Williams	Electrical and optical transient response of M-band detectors in the new test system
IIA-22		0:10	David Goldie	UK Superconducting Detector Arrays for SPICA-SAFARI
IIA-25		0:20	Pourya Khosropanah	SRON FDM development
IIA-26		0:30	Gert de Lange	Forward plan Detector System

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IIA-27	17:00 - 17:20	0:20	SAFARI plans Pieter Dieleman 	Project planning and organization Timeline long term - phase A/B/C Timeline near term - reference design/phase 0 Organization Management plan, development plans, design description
<i>End of plenary session</i>				
	18:30		Busses depart for joint dinner Joint dinner	

Main hall (Amphit�atre)
Room B2
Room B4
Room A3

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Saclay - Wednesday 30th October - morning



	8:45 <i>sharp</i>		Buses leave from Massy-Palaiseau	
	09:15 - 09:30	0:15	Entry	
	09:30 - 13:00	3:30	B-BOP	
IIIA-1			Marc Sauvage	B-BOP system/subsystem - technical progress and plans
IIIA-2			Marc Sauvage / Jérôme Martignac	Brief status of the instrument: technical and collaboration
IIIA-3			Obaid Adami	Simulations of the pixel
IIIA-4			Olivier Gevin	Principles of the readout circuit
IIIA-5			Laurent Dussopt	Detector manufacturing at LETI
IIIA-6			Camille Gennet / Xavier-Francois Na	Test Cryostat, status and planned use
IIIA-7			Pierre Antoine Frugier / Didier Dubr	The optics of B-BOP and polarisation metrics
IIIA-8			Marc Sauvage / Vincent Reveret	The time estimator of B-BOP, parameters of the observing mode (s)
			Marc Sauvage	Parallel observations between B-BOP and SMI, interests and constraints
	09:30 - 12:50	3:20	Galaxy evolution Work Group II	
IIIB-1		2:00	Elbaz/Kohno/Nagao/Spignolio	
			All	Splinters - cont.
				Brief reports/conclusions from the TWP/WP coordinators:
IIIB-2		0:05	Stephen Sergeant	TWP7 - Euclid synergies
IIIB-3		0:05	Dave Clements	TWP6 - SKA/radio synergies
IIIB-4		0:05	Pablo Perez-Gonzalez	TWP4 - JWST synergies
IIIB-5		0:05	Carlotta Gruppioni (TBC)	TWP3 - ALMA/submm synergies
IIIB-6		0:05	Francesca Pozzi	TWP2 - Athena/X-ray synergies
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IIIB-8		0:05	TBD	WP8 - Dark Matter & Clustering
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IIIB-13		0:05	Juan Antonio Fernandez-Ontivero	WP3 - Chemical and Dust Evolution
IIIB-14		0:05	Miguel Pereira-Santaella	WP2 - Feedback and Feeding
IIIB-15		0:15		Conclusions
	09:30 - 13:00	3:30	Nearby Galaxies Work Group	
IIIC-1			Madden (/Kaneda/Martin-Pintado/Sauvage)	
IIIC-2				General introduction. Towards the Yellow Book and what we need to do
IIIC-3				Unique key science questions for SPICA in nearby galaxies.
IIIC-4				Star formation - Activity - Feedback in galaxies - Low metallicity.
IIIC-5				Interstellar matter reservoirs of galaxies
IIIC-6				Diffuse gas in galaxies
IIIC-7				The origin and evolution of dust in galaxies
IIIC-8				Magnetic fields in galaxies
IIIC-9				What we said in the M5 proposal and the White paper
IIIC-10				Towards the observing core program
IIIC-11				Work to be done, organization and schedule
	12:00 - 14:00	2:00	SPICA operations	
IIID-1			Marc Audard/Pedro Garcia-Lario	ICC's, mission operations development
	13:00 - 14:00	1:00	Lunch	
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Room A3				

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	13:00 - 14:00	1:00	Lunch	
			Closing session - plenary	
IIIA-2	14:00 - 14:35	0:35	Splinter outcome/summaries	
		0:05	Pieter Dieleman	SAFARI
		0:05	Marc Sauvage	B-BOP
		0:05	Marc Audard/Pedro Garcia-Lario	Ground segment
		0:05	Honda/Kamp/Nomura	Planet forming systems
		0:05	Elbaz/Kohn/Nagao/Spignolio	Galaxy evolution Work Group
		0:05	Griffin/Nomura/Roelfsema	Solar system/Exo planet Work Group
		0:05	Kaneda/Martin-Pintado/Sauvage	Nearby Galaxies Work Group
IIIA-3	14:35 - 14:50	0:15	Peter Roelfsema	Heads of Nation feedback
IIIA-4	14:50 - 15:00	0:10	Peter Roelfsema	Closing remarks and outlook
	15:00 - 15:15	0:15	Coffee/Tea	
			<i>Plenary meeting adjourns</i>	
			TBD splinter meetings	
IIIB-1	15:15 - 16:45	1:30		
IIIC-1				
IIID-1				

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