

## Agenda for Ariel Consortium Meeting - INAF, Bologna, Italy

Mon 10th - Weds 12th October 2022

<https://indico.ict.inaf.it/event/2096/>

Time (CEST)	Presentation / Splinter Session Title	Duration	Session chairs	Time (CES)	Presentation / Splinter Session Title	Duration	Chair / Presenter	Time (CET)	Presentation	Duration	Chair / Presenter	Time (CET)	Presentation	Duration	Chair / Presenter
<b>Day 1 - Mon 10th October - Science WGs Meetings + Technical Splinters</b>															
Meeting room 1: Room #105 - ground floor <a href="https://ukri.zoom.us/j/99358888128?pwd=QDxwdzU1Uk9JTDZlZDh1PjM5SjY1c3d09">https://ukri.zoom.us/j/99358888128?pwd=QDxwdzU1Uk9JTDZlZDh1PjM5SjY1c3d09</a>				Meeting room 2: Room #215 - first floor <a href="https://ukri.zoom.us/j/92130709742?pwd=Q3pNblVlVHJkVhE0G0FFK2RldVhpZz09">https://ukri.zoom.us/j/92130709742?pwd=Q3pNblVlVHJkVhE0G0FFK2RldVhpZz09</a>				Meeting room 3: Room #216 - first floor <a href="https://ukri.zoom.us/j/92295748493">https://ukri.zoom.us/j/92295748493</a>				Meeting room 4: Room #214 - first floor No permanent virtual link available, zoom on case by case basis if needed.			
09:00	Arrival / Registration	00:30													
09:30	Stellar activity + upper atmosphere - Brief intro talks & open discussion	01:30	Garcia Munoz, Micela et al.												
11:00	Coffee Break	00:20													
11:20	Best targets for phase curves - Brief intro talk & open discussion	00:45	Cowan et al.	11:00	TCU Progress and Interface Meeting - Regular meeting, agenda and connection details circulated separately.	02:00	IEEC, RAL, ESA & ADS teams	11:30	Cooler progress meeting and interfaces meeting	01:30	Ludovic, Martin, Elizabet, Lucile et al				
12:05	Short break	00:10													
12:15	Low gravity planets - Brief intro talk & open discussion	00:45	Ikoma et al.												
13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00	
14:00	Stellar characterisation, formation, chemistry, retrievals - Brief intro talks and open discussion	02:00	Danielski Turrini Miguel Venot Changeat et al.	14:00	Baffle SM IPDR colocation - Remote connection details to be circulated separately	02:00	Emanuele, INAF, RAL, ESA & AST teams (in-person & virtually)	14:00	Spare Splinter	02:00		14:00	D1: options and discussion on how to present information for pPDR Colocation	02:00	Paul, Salma, Alex, Anders, Jorge, Rachel, Tom R
16:00	Coffee Break	00:20		16:00	Coffee Break	00:20		16:00				16:00			
16:20	Mass characterisation - Brief intro from chairs - Claudia Di Maio - David Latham - David Ciardi - Norio Narita / Masahiro Ikoma	01:00	Micela & Buchave	16:20	Baffle SM IPDR colocation (continued) - Remote connection details to be circulated separately	02:00	Emanuele, INAF, RAL, ESA & AST teams (in-person & virtually)	16:00	Spare Splinter	01:30		16:00	RAL / ESA meeting (see separate arrangements)	02:30	Paul, Rachel, Andrew, Jean-Christophe, Salma
17:20	Short break	00:10													
17:30	Synergy with JWST and ground - Pierre-Olivier Lagage - Stephan Birkmann - Tim Rawle	01:30	Lagage & Palie					17:30	Spare Splinter	01:30		18:30			
19:00	End of Day 1							19:00	End of Day 1			18:30	End of Day 1		

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<b>Day 2 - Tues 11th October - Science WG Meetings, Plenary Presentations &amp; Technical Splinters</b>															
Meeting room 1: Room #105 - ground floor <a href="https://ukri.zoom.us/j/99358888128?pwd=Q0xwdzI1UjZlZ2FhbnB1PMG5Bj1c3da09">https://ukri.zoom.us/j/99358888128?pwd=Q0xwdzI1UjZlZ2FhbnB1PMG5Bj1c3da09</a>				Meeting room 2: Room #215 - first floor <a href="https://ukri.zoom.us/j/92130709742?pwd=Q3pNfjVlVHUrVhE0GFFk2RmMlVhZz09">https://ukri.zoom.us/j/92130709742?pwd=Q3pNfjVlVHUrVhE0GFFk2RmMlVhZz09</a>				Meeting room 3: Room #216 - first floor <a href="https://ukri.zoom.us/j/92295748493">https://ukri.zoom.us/j/92295748493</a>				Meeting room 4: Room #214 - first floor No permanent virtual link available, zoom on case by case basis if needed.			
08:30	Arrival / Social Catch-up / Registration	00:30		08:30	Arrival / Social Catch-up	00:30		08:30	Arrival / Social Catch-up	00:30		08:30	Arrival / Social Catch-up	00:30	
09:00	<b>Stellar Characterisation</b> - Contributed talks	01:00	Danielski et al.	09:00	Flight Software Working Group Splinter - Updates on documentation & planning - pPDR SW RIDs initial processing and allocation	02:00	Anna, Roland, Mauro, Andrew et al.	09:00	NPMs Meeting: Agenda to include: - Schedule options and mitigations for TASM delays - Risk updates - Management RIDs initial allocation for responses	02:00	Paul / Rachel	09:00	STOP analysis splinter / touch base - Deal with any STOP related RIDs	02:00	Andrew Caldwell et al.
10:00	<b>Stellar activity + upper atmosphere</b> - Riccardo Claudi LOCNES: A solar telescope to study the Sun-as-a-star activity in the near infrared - Daniele Locci Searching for signatures of X-ray induced chemistry in the spectra of exoplanetary atmospheres - Lalitha Sairam STellar ACTivity foreCAST for optimal Observations of exoplanets (STACCATO) - Alexandra Thompson Correcting for Stellar Activity: How Complex Should our Stellar Model be?	01:00	Garcia Munoz, Micela et al.	10:00											
11:00	Coffee Break	00:20		11:00	Coffee Break	00:20		11:00	Coffee Break	00:20		11:00	Coffee Break	00:20	
11:20	<b>Spectral retrieval</b> - Agnibha Banerjee: Effect of rotation on atmospheric scale height. - Sushuang Ma: Cloud retrieval with YunMa in transit spectroscopy. - Ahmed Al-Rafale: FRECKLL: Full and Reduced Exoplanet Chemical Kinetics distiLLed - Tiziano Zingales: Toward a multidimensional analysis of transmission spectroscopy. Part III: Modelling 2D effects in retrievals with TauREx.	01:00	Min & Changeat	11:20	Optical Working group splinter: - Updates on critical issues impacting interface between subsystems - pPDR Optical RIDs initial processing and allocation	01:40	Martin Caldwell et al.	11:20	Mechanical Working Group Splinter: - Updates on critical issues impacting interface between subsystems (All) - Update TA support struts design (Javier & Andres) - pPDR Mechanical RIDs initial processing and allocation	01:40	Martin Whalley, Davide Bruzzi et al.	11:20	Co-PI Board Meeting (time TBC) - Agenda/zoom to be sent separately but to include: - National status round table	01:40	Giovanna / Paul
12:20	<b>High-precision photometry</b> - Contributed talks	00:40	Borsato & Szabo												
13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00	
14:00	Plenary: Science Case Developments	00:15	Giovanna Tinetti	14:00	Plenary in session 1			09:00	Plenary in session 1			09:00	Plenary in session 1		
14:15	Plenary: ESA AST updates	00:15	Theresa Lueftinger												
14:30	Plenary: Consortium Progress Report: pPDR Status, Consortium Planning for near and medium term	00:15	Paul Eccleston												
14:45	Plenary: Consortium Progress Report: Requirements status and flow-down from PRD to subsystems - plan to pPDR & CRs status	00:15	Andrew Caldwell												
15:00	Proposed updates to PL overall schedule	00:15	Paul Eccleston / Rachel Drummond / ESA												
15:15	Plenary: ESA Project Progress Report: ESA status, ESA & Prime planning for coming period	00:20	Jean-Christophe Salvignol & Salma Fahmy												
15:35	Coffee Break	00:00		15:35	Coffee Break	00:15		15:35	Coffee Break	00:15		15:35	Coffee Break	00:15	
15:50	<b>Synergy with JWST and ground</b> - Enric Pallé - Quentin Changeat - Angelos Tsiaras	01:00	Lagage & Palie	15:50	Optical Working group splinter, continued: - CO and PL alignment plans	01:30	Martin Caldwell et al.	15:50	Mechanical Working Group Splinter (continued): - Updates on critical issues impacting interface between subsystems - pPDR Mechanical RIDs initial processing and allocation	01:00	Martin Whalley, Davide Bruzzi et al.	15:50	Cryoharness technical splinter - To include remote participation from CSA technical team	02:00	Andrew Caldwell, CE, INAF, ESA, CSA teams
16:50	<b>Planet formation</b> - Sergio Fonte, Oxygen depletion in giant planets with different formation histories - Elenia Pacetti, Chemical diversity in protoplanetary discs and its impact on the formation history of giant planets - Niloofer Khorshid, Planet formation history influenced by the atmosphere studies of Hot Jupiters - Olja Panic, Planet formation around intermediate mass stars - Jonathan Tan, Low C/O atmospheres of Super-Earths forming by Inside-Out Planet Formation - Hans Rickman, Planetary system breakdown in embedded clusters - Mihkel Kama, Sulfur availability for forming planets - Simon Muller, Towards a new era in giant exoplanet characterisation	02:00	Turrini et al.	17:20	Spare splinter	01:00		16:50	Telescope Assembly splinter: 1. Aluminium procurement #4 2. Upload TA schedule & models 4. Vibe and shock TA tests 5. M1 & M2M development to TRL6 3. TA/M2M harnessing diagram and I/F	01:30	Emanuele et al.	17:50	Spare splinter	00:30	
18:50	End of Day 2 Formal Sessions			18:20	End of Day 2 Formal Sessions			18:20	End of Day 2 Formal Sessions			18:20	End of Day 2 Formal Sessions		
18:50	Cheese & Wine Reception / Poster Session		INAF-Conference Centre	18:50	Cheese & Wine Reception / Poster Session		INAF-Conference Centre	18:50	Cheese & Wine Reception / Poster Session		INAF-Conference Centre	18:50	Cheese & Wine Reception / Poster Session		INAF-Conference Centre

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<b>Day 3 - Weds 12th October - Technical Splinters</b>															
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09:00	Arrival / Social Catch-up	00:30		09:00	Arrival / Social Catch-up	00:30		09:30	Spare Splinter	01:45		09:30	ML discussion and Data Challenges	01:45	Gordon, Luis
09:30	AIT Working Group Splinter - Plan for test sequence definition - Subsystem updates - pSM metrology needs - Action Item updates - AIT RIDs initial processing and allocation	02:00	Georgia Bishop	09:30	Performance modelling & S2MD WG meeting - AIRS background vs TOB temperature modelling questions - pPDR performance related RIDs initial processing and allocation - Software Simulation Management and Documentation (S2MD) WG meeting	02:00	Marc O, Jerome, Enzo, Giorgio, Lorenzo et al								
11:30	Coffee Break	00:15		11:30	Coffee Break	00:15		11:15	Coffee Break	00:15		11:15	Coffee Break	00:15	
11:45	Thermal working group - Updates on critical issues impacting interface between subsystems - pPDR thermal RIDs initial processing and allocation	01:15	Gianluca et al	11:45	Electrical working group: - Updates on critical issues impacting interface between subsystems - pPDR electrical & electronic RIDs initial processing and allocation	01:15	Mauro et al	11:30	PA working group splinter - Updates on plans & status of MPCBs - pPDR PA RIDs initial processing and allocation	01:30	Alex Davidson et al.	11:30	Discussion about targets and scheduling	01:30	JCM, Ahmed, Lorenzo, Billy
13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00		13:00	Lunch	01:00	
14:00	Thermal working group (continued): - Updates on critical issues impacting interface between subsystems - pPDR thermal RIDs initial processing and allocation	01:00	Gianluca et al	14:00	Electrical working group (continued): - Updates on critical issues impacting interface between subsystems - pPDR electrical & electronic RIDs initial processing and allocation	01:00		14:00	Calibration planning / COGS WG splinter: - Path to update in-flight calibration plan fully - pPDR calibration RIDs initial processing and allocation	02:00	Tim, Chris, Pino et al	14:00	Spare splinter	02:00	
15:00	Baffle SM IPDR Closeout Panel Meeting	01:00	IPDR Panel	15:00	Spare splinter	01:00									
16:00	Coffee Break & End of Day 3 Formal Sessions	00:15		16:00	Coffee Break & End of Day 3 Formal Sessions	00:15		16:00	Coffee Break & End of Day 3 Formal Sessions	00:15		16:00	Coffee Break & End of Day 3 Formal Sessions	00:15	