

ESPRESSO Science Team meeting #19, Palermo

	Tuesday, 4 February 2020	Wednesday, 5 February 2020	Thursday, 6 February 2020	Friday, 7 February 2020
09:00-09:05	Welcome			
09:05-09:20	Status of the project (Francesco Pepe)			
09:20-09:30	Status of GTO (María Rosa)			
09:30-11:00	WG1 presentations. Summary (Pedro, 10 min); - Lessons learnt (Pedro, 20 min) - Selection of targets (João, 20 min); - Proxima (Alejandro 20 min) with contribution from João - GJ273 (Mario, 20 min);	WG4 presentations. - Overview (Paolo M, 15 min); - Analysis of HE0515-44 (Catarina, 30 min) - Analysis of QSO 2217-28 (Tobias, 15 min) - On the wavelength calibration(s) (Tobias, 15 min) - Analysis of QSOs 1101 & 1331 (Paolo, Michael, 15 min)	WG1: discussion. Chair: Pedro. - List of protected targets P106-P107. - General issues. - Observing strategy (sampling, activity, granulation?). - Support observations with HARPS. - Legacy programs (Proxima and others) - Programs after the GTO	General discussion. <i>Continuation of Wednesday afternoon.</i> - GTO proposals P106+ - List of protected targets (all WGs). - LFC GASPARE
11:00-11:30	Coffee break (30 min)	Coffee break (30 min)	Coffee break (30 min)	Coffee break (30 min)
11:30-12:10	WG1 presentations - Barnard (Jonay, 20 min); - M dwarfs (Alejandro 20 min)	WG4 presentations. - Observation of faint objects with ESPRESSO (Guido, Valentina, Michael, Tobias, 30 min); - Theoretical forecasts of the GTO ESPRESSO program (Carlos Martins, 10 min)	WG2: discussion. Chair: María Rosa - List of protected targets P106-P107 - New GTO proposal P106+ - Continue or discontinue the albedo program? - Small planets (4UT?). - JWST proposal (devoting a fraction of GTO is a plus)?	11:30-12:45 General discussion. <i>(Continuation)</i> - Synergies with JWST - Selection of new ST chair.
12:10-13:00	WG2: presentations. Summary (María Rosa, 10 min) - WASP-76b iron condensation (David, 20 min); - WASP-76b atmosphere (Hugo, 20 min);	Other "science" programs - Metal-poor stars (Paolo M., 15 min); - Q0142-100, a lensed QSO probing the small scale structure of the Inter-Galactic Medium (Stefano, 20 min); - D/H in the PKS 1937-10, Valentina, 15 min.		12:45 Concluding remarks (María Rosa + Francesco Pepe, 15 min).
13:00-14:30	Lunch (1.5 h)	Lunch (1.5 h)	Lunch (1.5 h)	13:00 END OF MEETING
14:30-15:50	WG2 presentations. - WASP-127b (Romain, 20 min); - HD 209458b (Núria, 20 min); - WASP-121b (Francesco Borsa, 20 min) - Albedo program (Olivier, 20 min) - Chromatic RM of HD209458b (Nuno, 20 min)	Other "science" programs. - François ?????? 15 min Other presentations. - Ricardo, 15 min (remote connection) - Automatic telluric line corrections (Romain, 15 min) - The TROY project and TOI-178 (Jorge Lillo-Box, 15 min) - Flares with ESPRESSO (Vardan, 10 min) - Fine structures of stellar surfaces using exoplanet transits (Vardan, 10 min)	WG4: discussion. Chair: Paolo M. - List of protected targets P106-P107. - Revision of the targets in relation to the limits of LFC range - Use of the 4x2 mode in 1UT HR - New GTO proposal for P106: Large vs normal program - Use of the 4UT mode - Publication plan	
15:50-16:10	Coffee break (20 min)	Coffee break (20 min)	Coffee break (20 min)	
16:10-18:10	WG3 presentations. Summary (Christophe, François, 12 min); - TOI-175 (Olivier, 12 min); - TOI-130 (Alessandro, 12 min); - π Men c (Mario, 12 min); - K2-38 (Borja, 12 min); - update for all other targets (Baptiste, champions, 60 min)	General discussion. - Pipeline - Wiggles in the data (Núria will introduce the case, UT3 to be avoided for WG2 observations?) - Common tools for data analysis (RV, atmospheres, etc.) - Observing strategy - Operational issues, including the 4x1 SLOW mode (Pedro + Gaspare, 10 min) - Use of the 4x2 HR mode in 1UT <i>This session continues on Friday morning</i>	WG3 discussion. Chair: Christophe. - Observing strategy (sampling, activity, snr, magnitude limit etc.) - Comparing SM and VM for stellar activity etc. - Parameter space of the target list. Bilan + future - synergy with other program (HARPS large program, mini neptune at low irradiation with François proposal, TFOP). Have an overview on the ongoing program relevant for gto (competitors, collaborators- strength and weaknesses of those program, TOI-178, contact on V. Van Eylen, CHEOPS). Are there targets we want to collaborate on?	
20:00		Social dinner		