

Euclid UK 2017: Meeting Agenda

MONDAY, 18th of December

[A 2-day meeting hosted by the ICG Portsmouth. More details at: https://eucliduk.net/uk-meeting-2017.](https://eucliduk.net/uk-meeting-2017)

All talks will be in room 0.28 of the Portland buliding, all breaks will have food served in the atrium, just outside the lecture hall.

Talk durations include time for questions!

10:30 - 11:00 Break: Coffee and pastries			
11:00 - 12:30 Session 1: Introduction + Weak Lensing (chair: Will Percival)			
90 min	Eva-Maria Mueller	15 min	Intro talk on Monday
	Tom Kitching	10 min	Euclid Weak Lensing
	Giuseppe Congedo	15 min	Accurate weak lensing shear measurement
	Bryan Gillis	15 min	Building the Shear Estimation Pipelines
	Susan Pyne	10 min	Forecasts for Euclid from three-point weak lensing statistics
	Ben Mawdsley	2 min	Mapping the Universe with weak lensing
	Alan Heavens	5 min	Weak Lensing in Euclid - Bayesian Approach
	Paul Giles	5 min	The Luminosity-velocity dispersion relation of galaxy groups and clusters in the XXL and GAMA surveys
	Dipak Munshi	5 min	Progress of the Estimator work package
	Random Attendee	8 min	Session Summary
12:30 - 13:30 Break: Cold lunch			
13:30 - 15:30 Session 2: Theory (chair: Santiago Avila)			
120 min	Natalie Hogg	2 min	Interacting Dark Energy
	Gu Shiming	2 min	Hydrodynamical Simulations of Modified Gravity.
	Gong-Bo Zhao	10 min	Euclid and dark energy
	Bill Wright	10 min	Massive neutrinos in COLA
	Arthur Loureiro	10 min	Lognormal Simulations with Flask for Covariance Estimation and Benchmarking
	Alex Hall	15 min	Combining theory and simulation-based covariance matrices in the likelihood
	Mark Linton	10 min	Pure momentum transfer in interacting dark energy models.
	David Copeland	20 min	The impact of baryons on dark energy measurements
	Kazuya Koyama	5 min	Dark energy after GW170817
	Sam Patrick	10 min	Finding the First Quasars with Euclid
	Jascha Schewtschenko	15 min	In the Spin Zone - Impact of BSM DM on galaxy spins
	Random Attendee	11 min	Session Summary
15:30 - 16:00 Break: Afternoon tea			
16:00 - 18:00 Session 3: Observations + Strong Lensing (chair: Dida Markovic)			
120 min	Mark Cropper	5 min	VIS status at the start of Flight Model build
	Christopher Conselice	15 min	Euclid Legacy Science
	Bob Nichol	5 min	Scientific Synergies of LSST and Euclid
	Jon Loveday	10 min	Euclid and WAVES
	Raphael Shirley	15 min	Deblending for the Large Synoptic Survey Telescope
	Malcolm Bremer	5 min	Observational calibration of photometric redshifts
	Will Percival	5 min	The next phase of the ISTs
	Thomas Collett	10 min	Strong lensing with Euclid
	James Nightingale	15 min	AutoLens: Automated Modeling of Euclid's 100 000 Strong Lenses
	Daniel Whalen	10 min	Detecting Lensed Supernovae at $z \sim 5 - 15$ with Euclid
	Graham P. Smith	10 min	Strong lensing of gravitational waves
	Andy Bunker	5 min	Galaxies in the epoch of Reionization
	Random Attendee	10 min	Session Summary
18:00 - 21:00 Break: Free time + Pub Quiz			

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TUESDAY, 19th of December

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08:45 - 09:15	Break: Coffee and breakfast snack		
09:15 - 10:30	Session 4: Clusters + Science Portal		(chair: Eva Maria Mueller)
75 min	Kathy Romer	5 min	Clusters of galaxies: will there be anything left for EUCLID to do?
	Jessica Khaimova	2 min	Intro
	Carlos Vergara	10 min	A New XCS-DES Cluster Catalogue
	Sunayana Bhargava	10 min	Improving galaxy cluster mass estimates from XCS and DES
	Nina Hatch	10 min	High-z clusters and Proto-clusters
	David Turner	20 min	FCTRLA: Model independent x-ray mass calculations for XCS
	Jascha Schewtschenko	10 min	Science portal demonstration
	Random Attendee	8 min	Session Summary
10:30 - 11:00	Break: Coffee and pastries		
11:00 - 12:30	Session 5: Galaxy Clustering		(chair: Jascha Schewtschenko)
90 min	Dida Markovic	15 min	Euclid Galaxy Clustering Forecasting (IST results)
	Rossana Ruggieri	20 min	A new approach to measure the evolution of the structure growth
	Seshadri Nadathur	15 min	An accurate linear model for redshift space distortions in the void-galaxy correlation function
	Mike Wang	2 min	Theoretical Considerations in Large-Scale Structure Analyses
	Santiago Avila	15 min	Systematic errors for galaxy clustering
	Paul Carter	10 min	Measuring of Baryon Acoustic Oscillations at Low Redshift
	Random Attendee	13 min	Session Summary
12:30 - 13:30	Break: Cold lunch		
13:30 - 15:20	Session 6: Galaxies + Infrastructure		(chair: Rossana Ruggieri)
110 min	John Peacock	15 min	Surviving Euclid's publication policy
	Keith Noddle	7:30	SDC-UK
	Rob Blake	7:30	Euclid services @ SDC-UK
	Andy Taylor	5 min	Euclid Science Ground Segment
	Niraj Welikala	15 min	Multi-wavelength Modeling of Galaxy Surface Brightness for Astrophysical and Dark Energy Measurements
	Rebecca Bowler	10 min	Bright high-redshift galaxies in Euclid
	Peter Hatfield	15 min	Small-Scale Clustering in the VIDEO Survey
	Ulrike Kuchner	15 min	Scientific Challenge 3: Measuring galaxy morphologies
	Colin Snodgrass	10 min	The Euclid Solar System Objects Working Group
	Random Attendee	10 min	Session Summary
15:35 - 16:00	Break: Afternoon tea		
16:00 - 16:50	Session 7: Science Data Centre + Objects		(chair: Paul Carter)
50 min	Reese Wilkinson	10 min	Time-Management Software
	Max Foxley-Marrable	20 min	The Viability of the Lensed Type Ia Supernova as a Cosmological Probe
	Cosimo Inserra	15 min	Transient synergies between Euclid and LSST
	Random Attendee	5 min	Session Summary