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## Cosmology with future galaxy surveys: an overview of the Euclid mission

*Monday 22 August 2022 11:00 (40 minutes)*

ESA's Euclid satellite, designed to map the geometry of the Universe and scheduled for launch in 2023, will observe billions of galaxies with the ultimate goal of unveiling the nature of dark matter and dark energy. I will give an overview of the instrument and the current status of the Euclid mission. I will then focus on one of its main probes, galaxy clustering, and describe the challenges and approaches we are taking in order to maximise the amount of information extracted from the unprecedented high-precision measurements of cosmic expansion and structure growth that Euclid will provide.

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