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Euclid mission: status and scientific goals

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Euclid is an ESA space mission that aims to investigate the dark Universe. Over the six years of nominal survey operations, Euclid will observe billions of galaxies, probing the Universe's large-scale structure out to 10 billion light-years, covering a third of the celestial sphere. Employing Weak Gravitational Lensing and Galaxy Clustering probes, Euclid aims to detect the signatures of dark matter and dark energy. This mission constitutes an extraordinary scientific and engineering effort, culminating in the recently published first test images. This preliminary information shows Euclid's potential to achieve its ambitious goals, paving the way for the science-ready high-quality data that will soon follow. In this talk, I will provide an overview of the scientific objectives of the mission and its design, along with a description of the strategies to leverage the vast amount of data that lies ahead.

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