

## Second International Conference on the Physics of the Two Infinities



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### The Euclid mission and the quest for dark energy

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After introducing the scientific and observational concepts on which the instruments of Euclid have been based, I will present an overview of ongoing and forthcoming surveys, outlining their key characteristics and timelines for observations and data releases. Particular emphasis will be placed on revisiting the mission's core scientific objectives, with a focus on the specific probes and observables employed to constrain the dark energy properties. In particular, I will explore how Euclid's observations can be used to gain insights into our understanding of the development of gravitational instabilities accross cosmic scales and time.

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