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Euclid's Q1 Data Release: primi risultati e nuovi orizzonti in cosmologia

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The Euclid mission's inaugural Quick Data Release (Q1) marks a significant milestone in our quest to understand the universe's structure and evolution. In this talk, I will present a broad overview of the Q1 science results, highlighting early achievements in galaxy evolution, large-scale structure, strong lensing and active galactic nuclei (AGN). These findings not only validate Euclid's design and data processing capabilities but also set the stage for future explorations into dark matter, dark energy, and the growth of structure over cosmic time.

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Session Classification: La gravità, la materia oscura e le tensioni cosmologiche: il contributo di JWST, Euclid (chair: P. Rosati)