

# The Horizon Criterion for Spacetimes with boundaries

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It has been speculated that de Sitter space is problematic in quantum gravity due to the presence of cosmological horizons. By considering spacetimes with dynamical boundaries, we argue that if a swampland criterion related to horizons can be formulated, it has to go beyond simply demanding the absence of cosmological horizons. We formulate an appropriate condition and analyze its consequences for situations where the boundary energy-density is set by a scalar field.

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