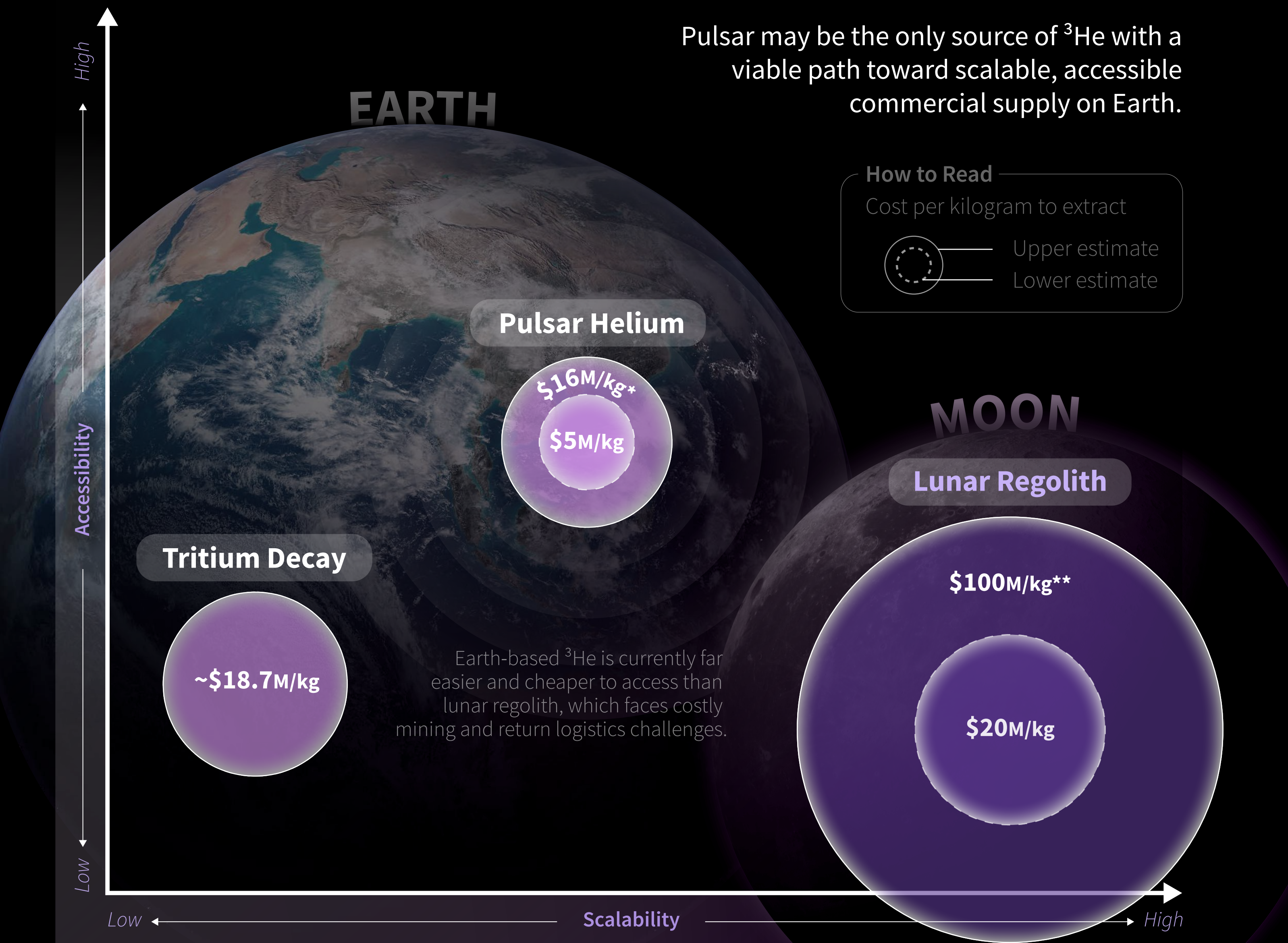




The Cost of Helium-3: *Earth Sources vs. the Moon*

Estimated cost per kg compared with relative scalability and accessibility

Pulsar may be the only source of ^3He with a viable path toward scalable, accessible commercial supply on Earth.



Sources: Pulsar Helium; CRS R41419 (Shea & Morgan, 2010); Niechcial et al., *Energies* (2020); Thunder Said Energy; NASA OIG; CLPS contract data; USGS Keszthelyi et al. (2023); Smith-Vaniz et al. (2026); Interlune. Values reflect order-of-magnitude estimates from market pricing (tritium), thermodynamic separation floors (Pulsar), and CLPS-based transport floors (lunar), using simplified assumptions for grade, throughput, and infrastructure. *Energy floor (efficiency-dependent; excludes capex/opex). **Transport floor (extraction + return unpriced)

Lunar ^3He may become more competitive over time, but for now Earth-based sources remain far easier and cheaper to access

Explore the ^3He Hub