

Session 6: Affordable Options for Increasing the Accessible NEO Catalog

Summary Points:

- Surveys *will increase* the number of accessible targets
- But effectiveness (discoveries as a function of time) for good HSF targets varies as a function of observing location
 - Ground: Least expensive, but least effective
 - L1 or L2: Effective, Discovery-class cost
 - Venus-like heliocentric: Most effective, but most expensive
- Bandpass can drive cost, but also affects ability to get target size
- Survey concept capabilities and costs have had minimal intercomparison; may not be grounded using the same metrics
- Requirements for HSF target surveys not well constrained (time, min size, characterization capability)

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Recommendations:

- Intercomparison studies (funded?) and costing to assess range of survey options
- Common undiscovered target population parameters to measure effectiveness on level playing field
- Common set of survey requirements, or prioritized requirements, to drive designs