



Jet Propulsion Laboratory
California Institute of Technology

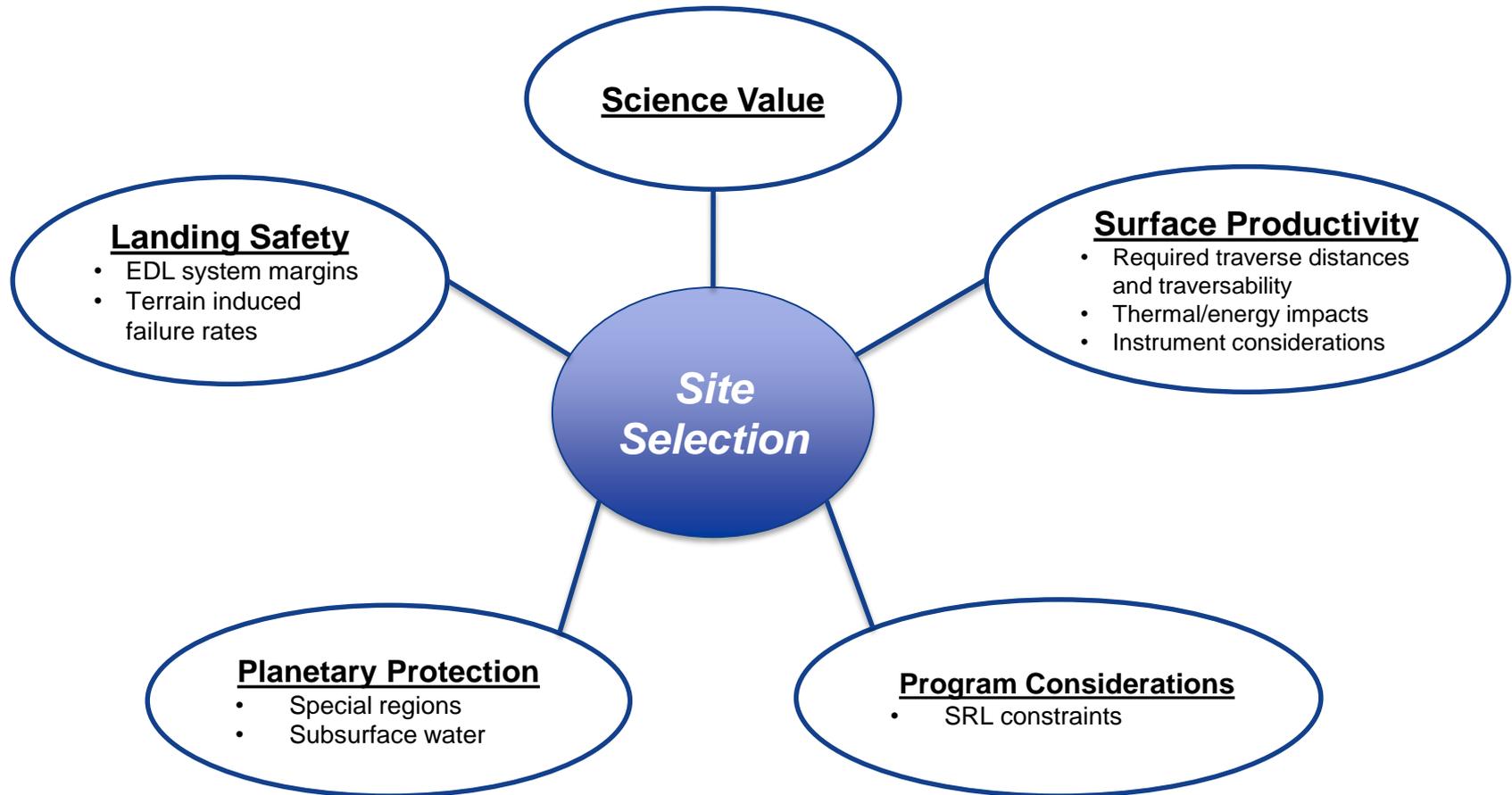
Mars 2020 Project

Landing Site Engineering Assessments

Mars 2020 Landing Site Workshop #2

Mars 2020 Project

August 4-6, 2015





- Because of limited throughput, we focused on the top 9 ranked sites from the 1st workshop
- Completed first pass landing safety assessments
 - Built and used site-specific atmosphere and terrain products
 - Quantified impact of TRN
- Completed first pass surface scenario assessments
 - Gathered ROI information (location and prioritization) and estimated required traverse distances
 - Quantified thermal/energy impact of site latitude
 - Identified instrument considerations
- Identified landing site planetary protection constraints
- Assessed program landing site selection implications



- The next set of presentations go through the engineering assessments and results at a high level
 - The goal is to inform the community of the non-science site selection considerations in play
 - Last opportunity to inform the TRN decision
- For throughput reasons, work to date has focused on the top 9 sites
- The results are preliminary, but much more mature than they were on MSL at the PDR timeframe