

NO #. SUBORBITAL TOURISM INDUSTRY EMERGENCE DATA AND PROCESSES

PROJECT AT-A-GLANCE

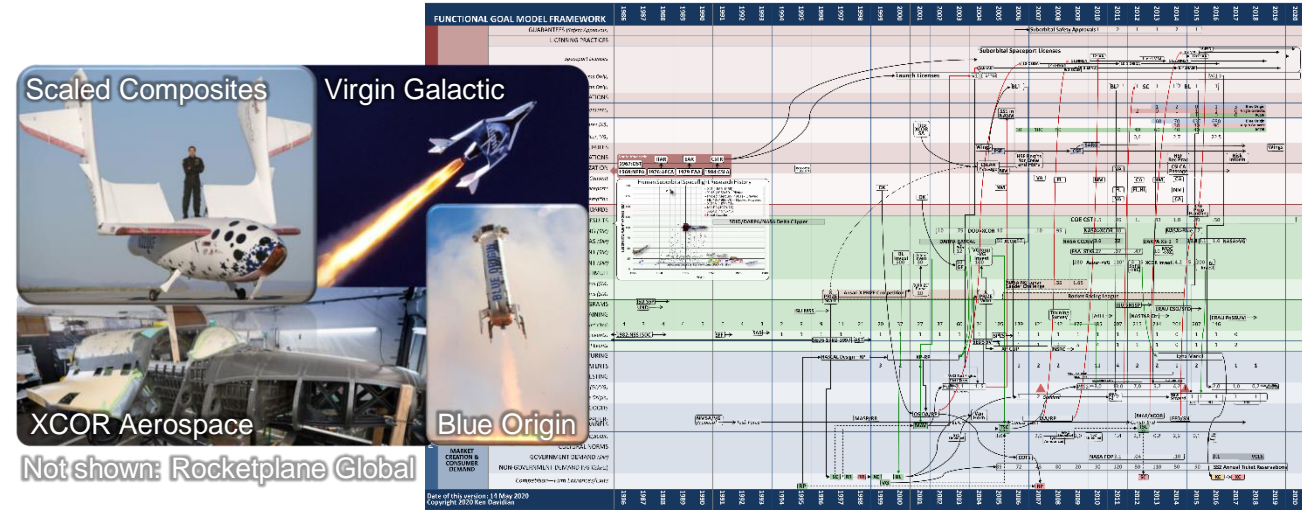
- UNIVERSITY: University of Cape Town
- PRINCIPAL INVESTIGATOR: Dr. Ken Davidian

RELEVANCE TO COMMERCIAL SPACE INDUSTRY

- Provides detailed, time-ordered documentation of major innovation and industry emergence events and relationships for specific industry segments.
- This information provides basis innovation forecasting, for AST to make changes to regulation and regulatory practices to minimize the burden on commercial space transportation industry.

STATEMENT OF WORK

- Develop an event database using the process research data collection methodology, permitting interchangeability of the data across research projects.
- Develop models of key industry emergence parameters to possibly identify relationships between independent variables and dependent outcomes of interest.
- Participate in collaborative process research workshops.
- Author and submit manuscripts for journal publication.



STATUS

- Initial data collection completed in 2017 as part of doctoral thesis, covering 70 years of human suborbital space transportation industry emergence events.
- Open Access publication in New Space journal makes data publicly available. Davidian, K. J. (2020). Space Tourism Industry Emergence: Description and Data. *New Space*, 8(2), 87–102.

FUTURE WORK

- Similar research underway for space industry segments of small sat launchers, satellite constellations, and spaceports.