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Finance and Investment: The Practitioners' Perspectives (2)

Author: Mr. Manny Shar  
Bryce Space and Technology, United Kingdom, manny.shar@brycetechnology.com

Ms. Jamil Castillo  
Bryce Space and Technology, United States, jamil.castillo@mail.mcgill.ca

Ms. Gwen Mazzotta  
Bryce Space and Technology, United States, gmazzotta@gwu.edu

Ms. Luc Riesbeck  
Space Policy Institute, George Washington University, United States, riesbeck@gwu.edu

Ms. Anna Wieger  
George Washington University, United States, annawieger@gwu.edu

Ms. Carissa Christensen  
Bryce Space and Technology, United States, carissa.christensen@brycetechnology.com

START-UP SPACE: GLOBAL INVESTMENT TRENDS

**Abstract**

Start-up space ventures have attracted over US\$21 billion in investment since the year 2000, including \$7.9 billion in early and late stage venture capital, \$3.1 billion in seed financing, and \$4.5 billion in debt financing. This cumulative study has identified nearly 700 unique investors in start-up space firms in the 21st century across six investor types (angel investors, venture capital firms, private equity firms, banks, corporations, and public markets), an increase of 120 from 2017. This paper analyzes space investment trends globally, including the geographic distribution of investors and space start-ups. Though start-up space companies and investors are still concentrated in the United States, investment and start-up activity is quickly diversifying to other world regions comprising dozens of countries. For example, this report highlights the increasing investment activity in Chinese ventures, as well as the nuances of Chinese commercial space capability development in recent years. Key questions this paper will address include:

- How has global investment activity in the start-up space industry evolved over time?
- How does investment activity in 2018 compare to overall investment since 2000? How does it compare to 2017 investment activity?
- How large is the start-up space ecosystem, in terms of investment magnitude and number of companies and investors?
- How many start-up space ventures have received private financing and from whom?
- Where are space start-ups and investors headquartered?
- What types of capital are start-ups attracting year-to-year, and how does that differ by region?

The paper is based on an extensive set of validated, 21st century publicly sourced investment data providing insight into worldwide start-up space trends. This report seeks to aid and inform decision-making in industry, government, and academia by providing the space community with rigorous analyses of industry dynamics. Additionally, this report seeks to educate investors, the aerospace industry, and the wider public about activity in the emerging start-up space ecosystem.