

# Canada's Space Sector Industry Snapshot 2023



# BACKGROUND



This snapshot, developed by the **Canadian Space Agency** (CSA) in collaboration with **Space Canada**, provides information about the space economy in Canada.

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The data is **based on an annual voluntary survey** led by the CSA and sent to **space organizations in Canada**. The facts and figures presented are limited to survey responses and supplementary internal information. The data collected remains confidential and protected by the CSA. It has not been shared with Space Canada in any way. This information is only made public in aggregate form.

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The report covers data for the year of **2022**.

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The numbers presented may not add up precisely to the totals provided because of rounding.

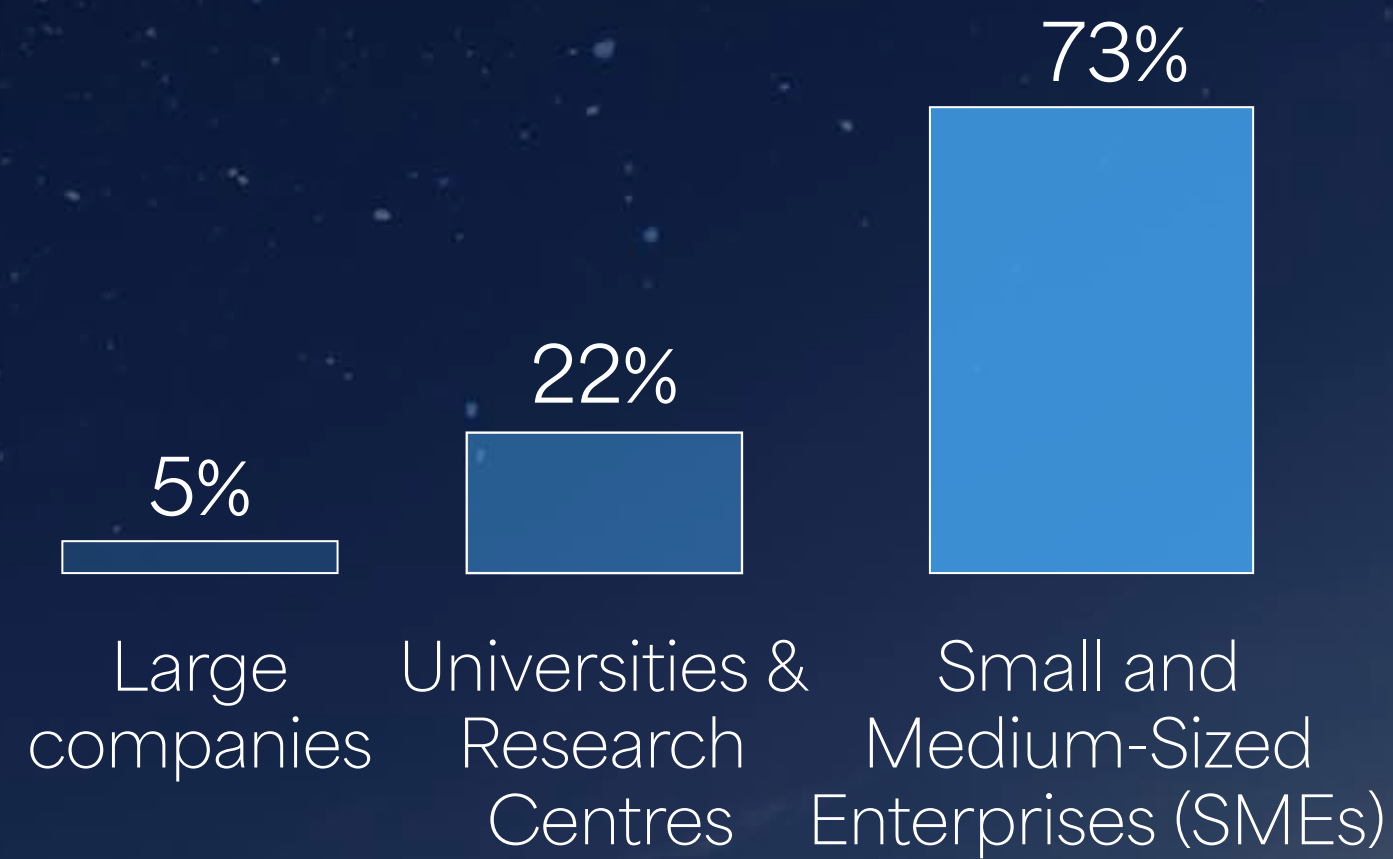
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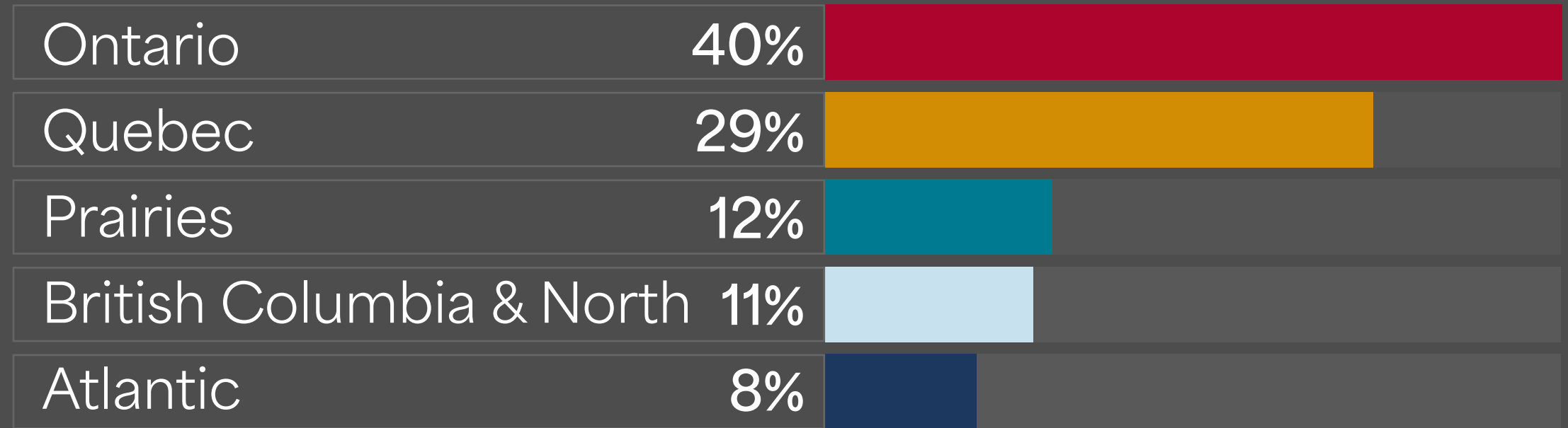
Further details are set out in the CSA's ***State of the Canadian Space Sector Report*** published on the CSA website:  
<https://www.asc-csa.gc.ca/eng/publications/corporate.asp>

# SPACE ECONOMY ECOSYSTEM

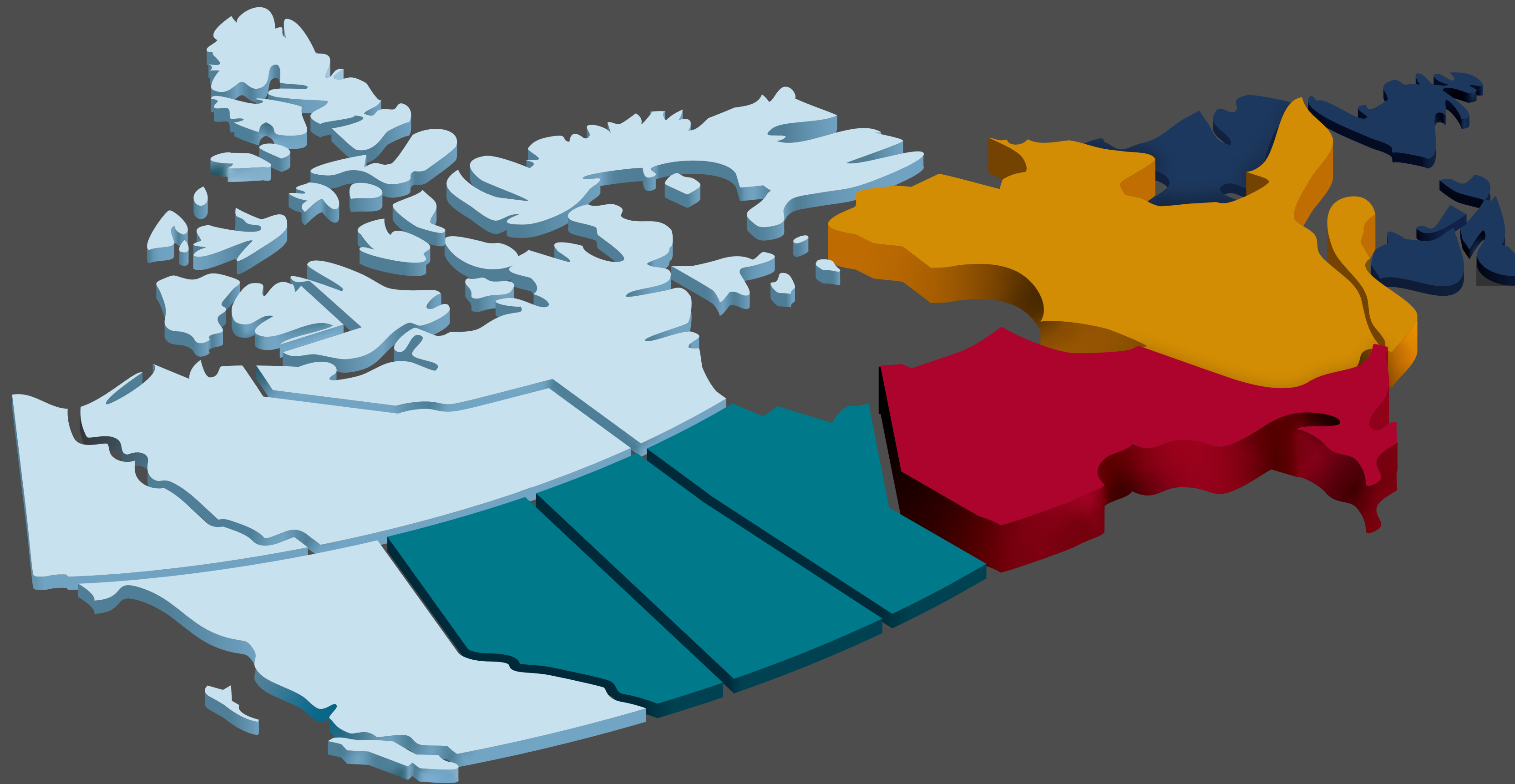
Almost **200 organizations** from across Canada are involved in the CSA's Annual Space Sector Survey.



## Distribution of Space Organizations by Region

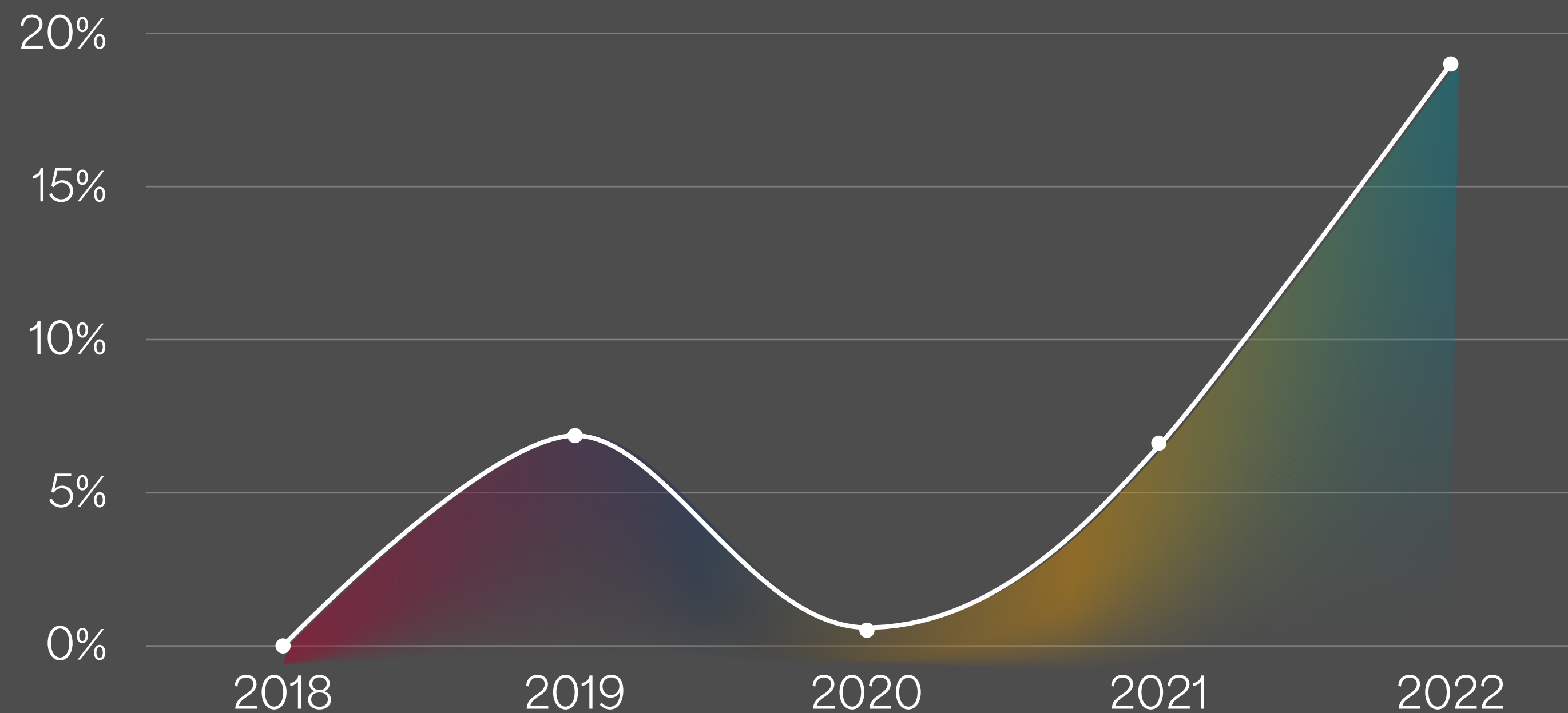


Note: The North (Yukon, Northwest Territories, and Nunavut) have been integrated with B.C. due to the small number of respondents.



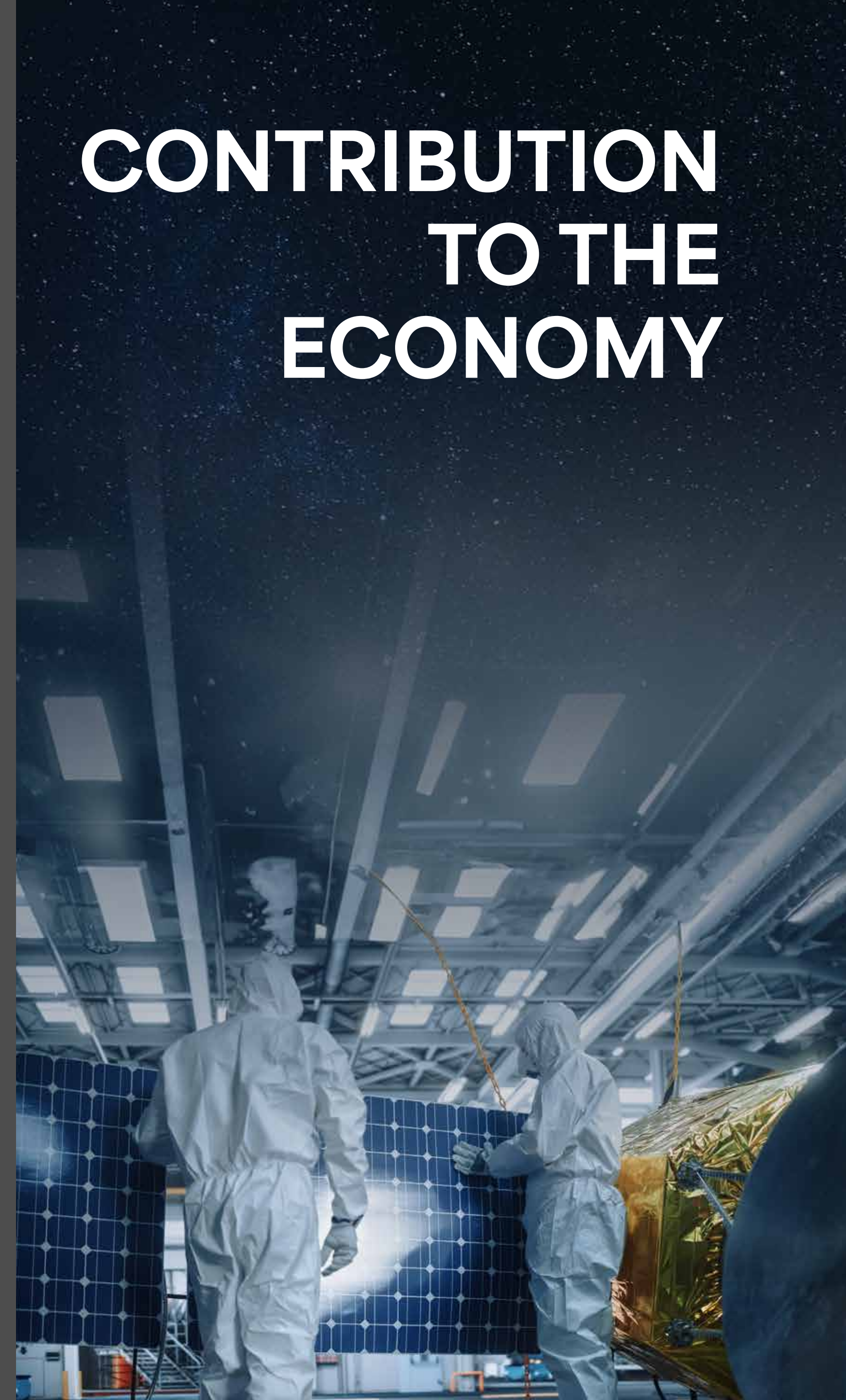
The space sector contributed  
**\$3.2B** to Canada's GDP\*  
- increasing 19% since 2018

### Indexed growth of space sector GDP impact 2018-2022



\*This represents the unduplicated value of goods and services produced in Canada by the space sector, and by other industries as a result of the Canadian space sector's supply chain purchases and of associated employees' consumer spending.

# CONTRIBUTION TO THE ECONOMY

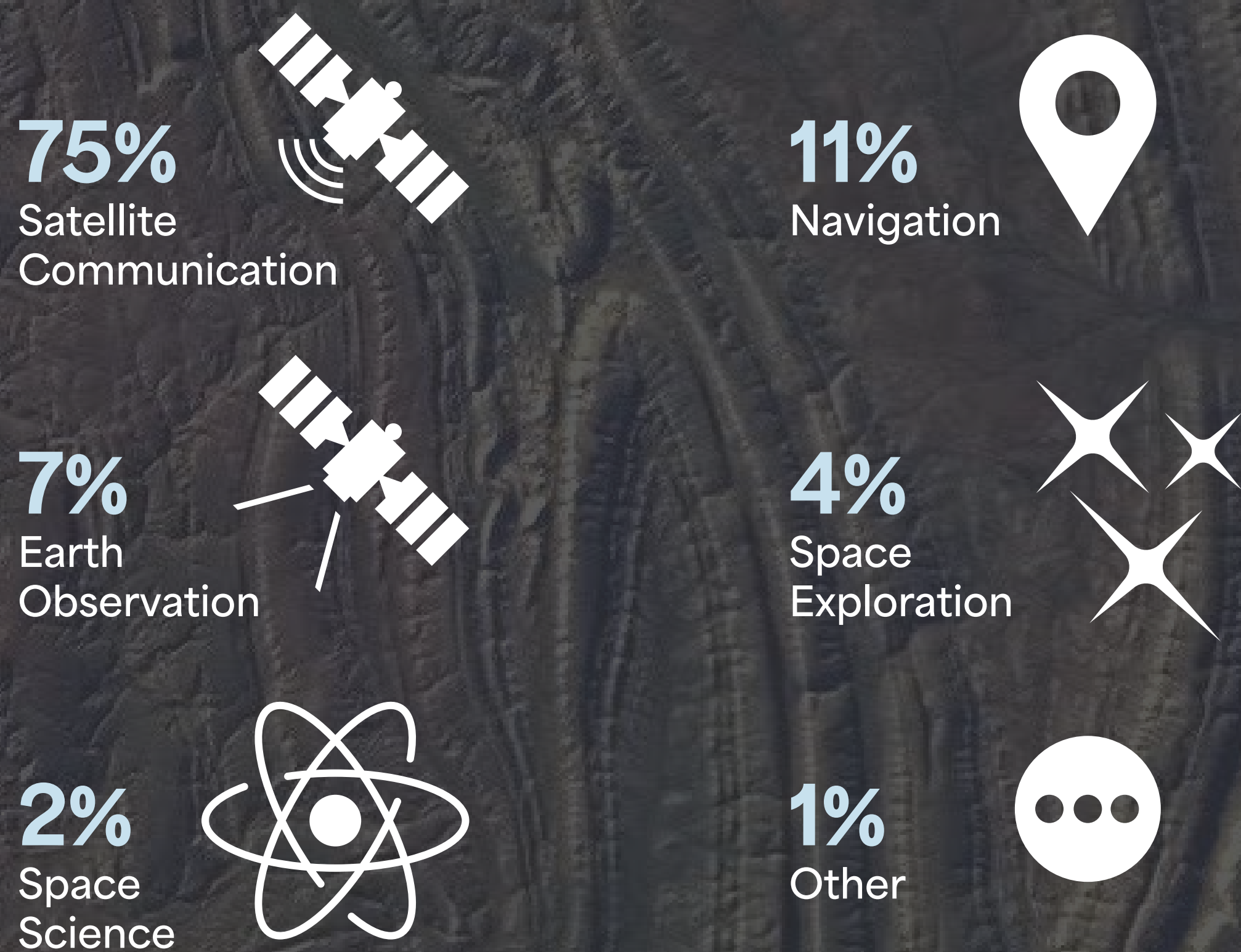


# REVENUES

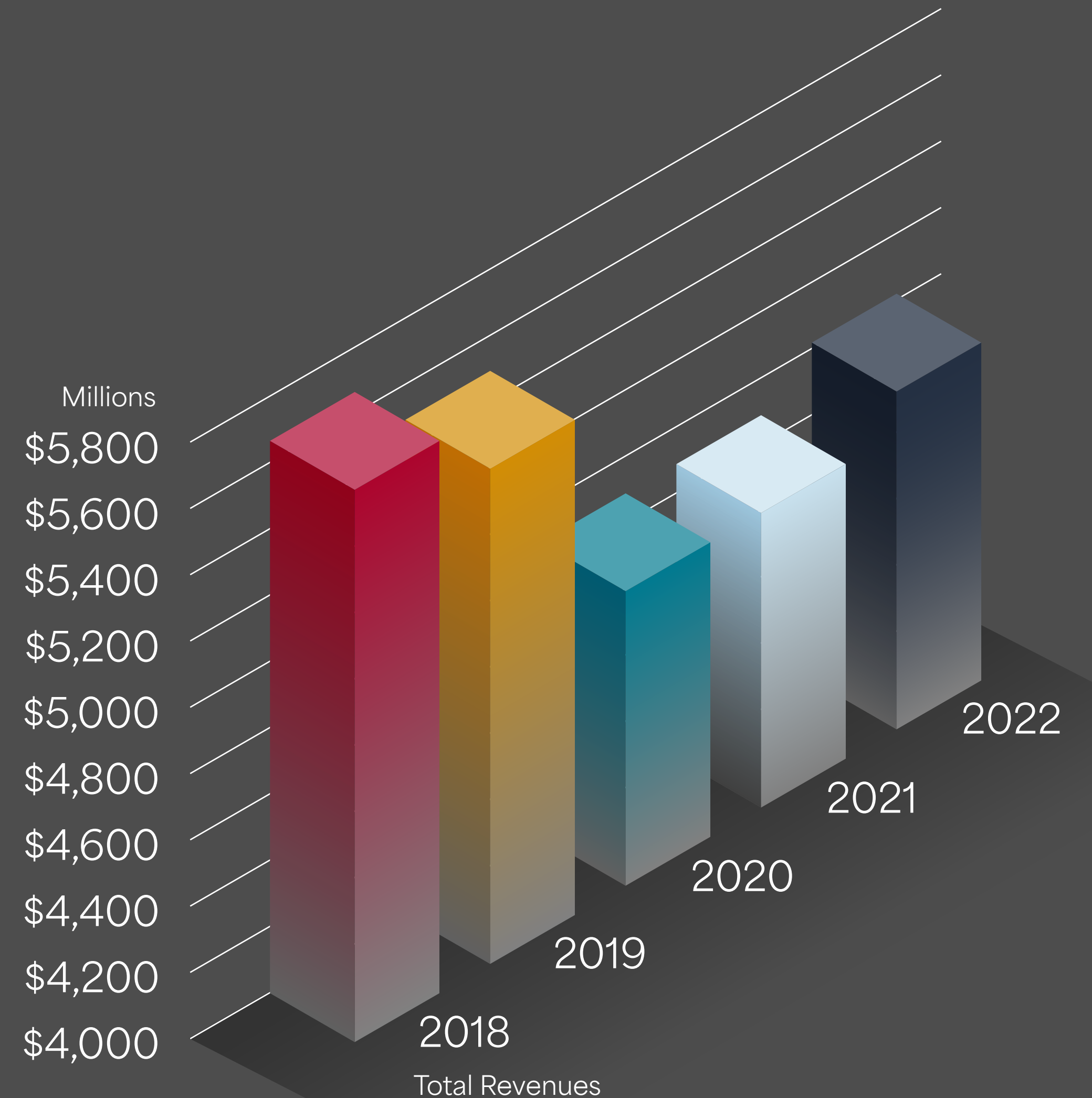
Space sector revenues totalled

**\$5.0B**

This includes:



## Revenues 2018-2022



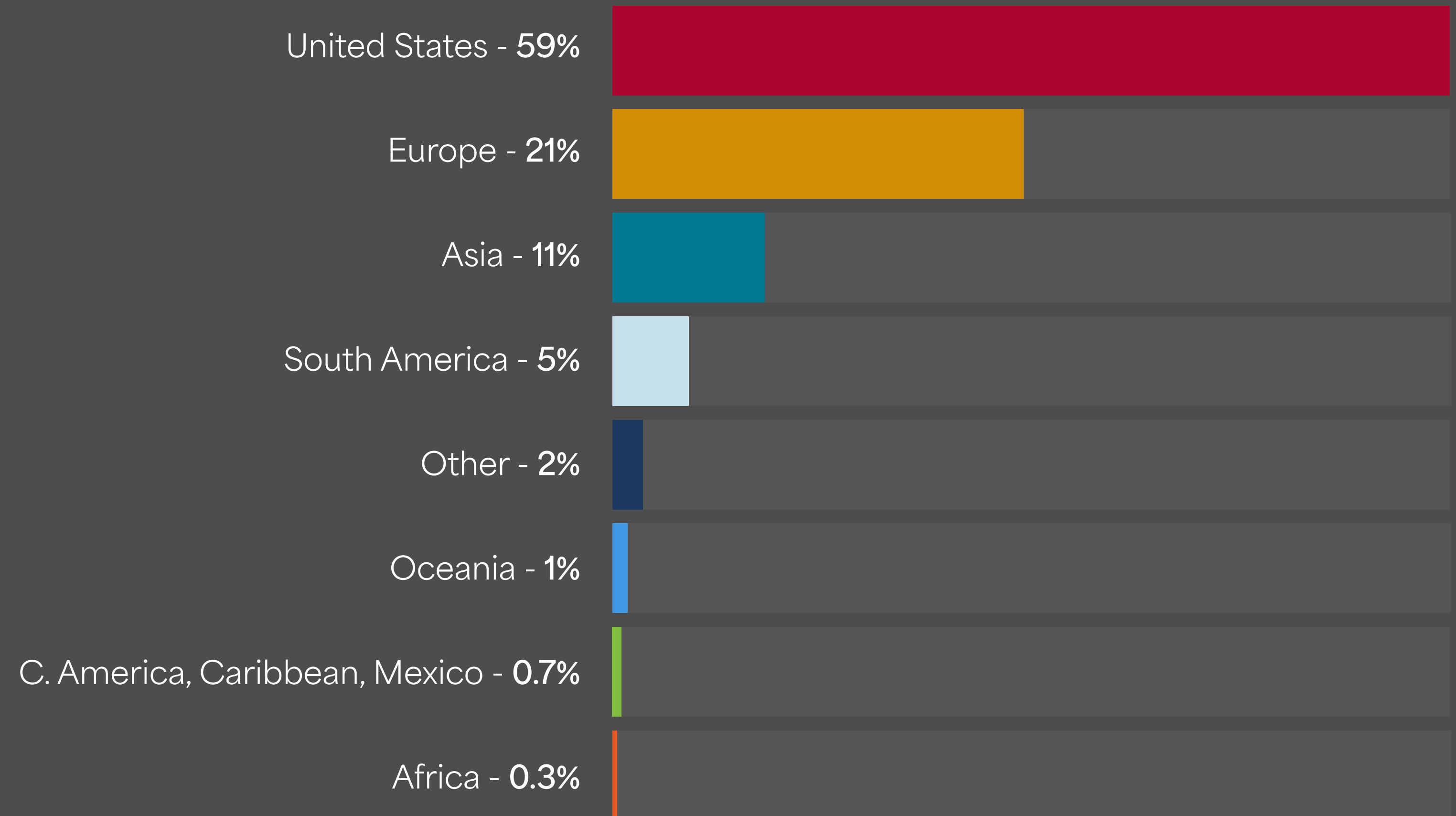
# DOMESTIC vs. EXPORT REVENUES

Of the total revenues:

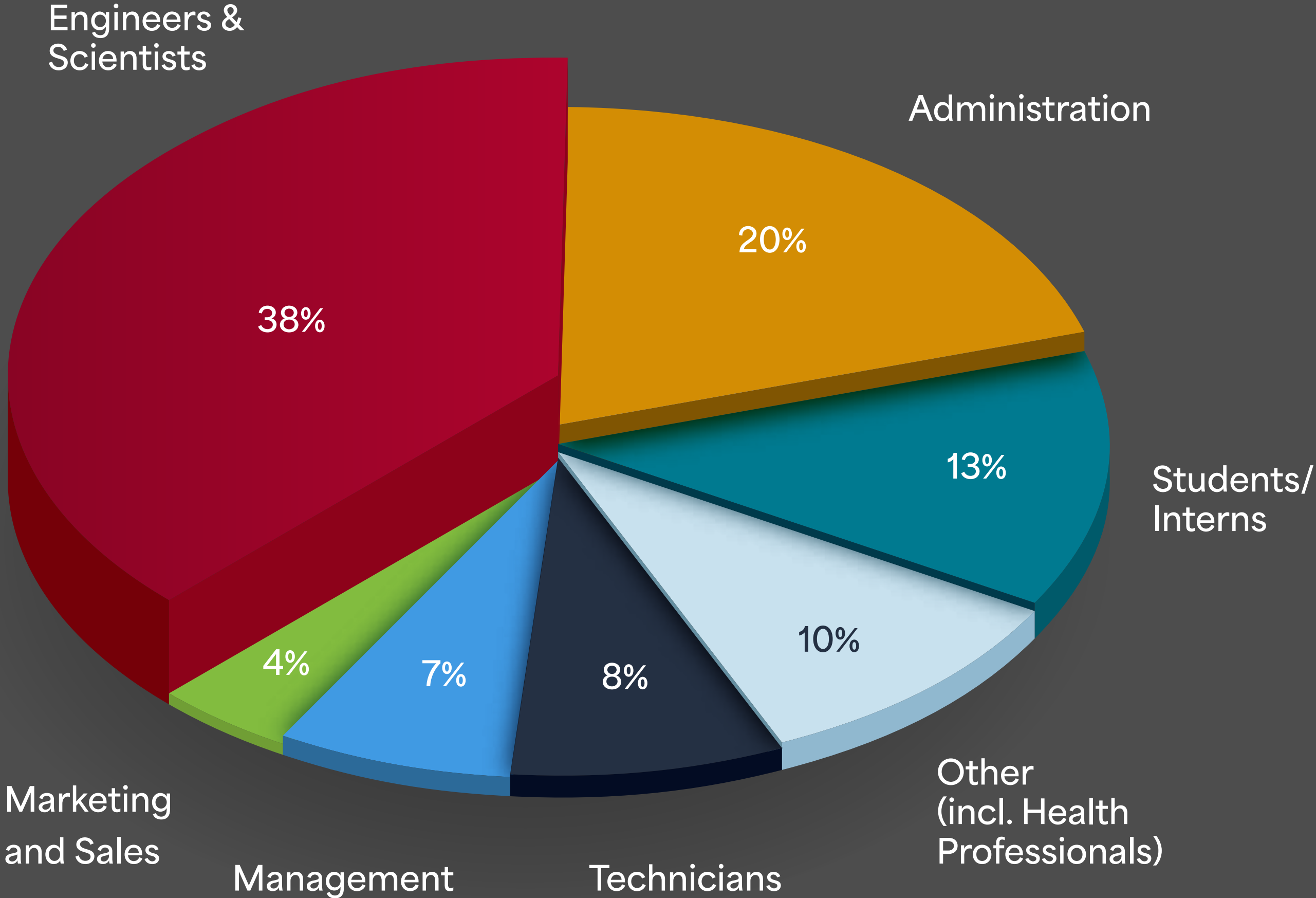


The United States and Europe remain the most common export destinations.

## Export destinations in 2022



# Direct space sector occupations in 2022



# WORKFORCE

The space sector supported over 25,236 jobs in Canada.

Direct:  
**12,624** jobs  
 most of which are STEM (67%) and HQP (68%)

Indirect:  
**12,612** jobs

The space sector gender breakdown includes

**31%** ♀ Women  
**69%** ♂ Men  
**0.2%** \* Non-binary

STEM - Science, Technology, Engineering, and Mathematics.  
 HQP - Employees with at least a bachelor's degree.



# RESEARCH AND DEVELOPMENT

Business expenditures for research and development\* reached **\$593M** - up 66% since 2018.

\*Measures spending towards R&D activities in a company. The source of funds could include their own private investment or external funding sources.

The R&D intensity for space manufacturing was **13 times** higher than the average for manufacturing in Canada.





# SUMMARY

## In 2022, Canada's space industry:

- ✦ Had almost 200 firms active across Canada generating **\$5.0B** in revenues.
- ✦ Contributed **\$3.2B** to Canada's GDP – increasing 19% since 2018.
- ✦ Included **12,624** direct jobs in the space sector – of which 67% were STEM and almost 40% were engineers and scientists.
- ✦ Had **\$2.0B** worth of exports, with the United States and Europe as primary destinations.
- ✦ Continues to advance technology with strong increases in BERD investment – up **66%** since 2018.
- ✦ Outperformed the broader Canadian manufacturing sector in terms of R&D manufacturing intensity by **13** times – demonstrating the innovative nature of the sector.

Ce document est aussi disponible en français sous le titre ***Vue d'ensemble du secteur spatial canadien 2023.***

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