



The Sound of Space

EP. 18 - SPECIAL EDITION OF TSOS Interviews - The Future of Planetary Exploration in Canada

Brought to you by the University of Toronto Aerospace Team (UTAT)

8:10 What are some hurdles in the Canadian Planetary Science sector?

- [1] S. Brunswick, "How Canada is Shaping the World's Future in Space", *spacenews.com*, Jan. 2023. [Online]; <https://spacenews.com/op-ed-how-canada-is-shaping-the-worlds-future-in-space/>
- [2] Government of Canada, "Ex-Alta 1: University of Alberta's first CubeSat", *asc-csa.gc.ca*, Jul. 2017. [Online]. Available: <https://www.asc-csa.gc.ca/eng/satellites/cubesat/ex-alta-1.asp>

16:30 What lessons can we take from past Canadian exploration?

- [3] Canadian Space Agency, *Canadian Space Exploration Science and Space Health Priorities for Next Decade and beyond - A Community Report from the 2016 Canadian Space Exploration Workshop and Topical Teams*, Montreal, Quebec, Canada. Available: https://s3.ca-central-1.amazonaws.com/sareports/Canadian_Space_Exploration-Science_and_Space_Health_priorities_for_Next_Decade_and_Beyond_2017.pdf

23:20 Do the research areas in the community include themes that we can coalesce?

- [4] Canadian Space Agency, *About the Lunar Exploration Accelerator Program*, Montreal, Quebec, Canada. Available: <https://www.asc-csa.gc.ca/eng/funding-programs/programs/leap/about.asp>

30:40 What are the next steps for Canada as a community?

- [5] Canadian Space Agency, *2022-2023 Departmental Plan*, Montreal, Quebec, Canada. Available: <https://www.asc-csa.gc.ca/eng/publications/dp-2022-2023.asp#plans>

39:40 What are some Canadian sources that fund scientists who want to stay in Canada?

- [6] Canadian Space Agency, *Planetary and Astronomy Mission Co-Investigator 2021-2022*, Montreal, Quebec, Canada. Available: <https://www.asc-csa.gc.ca/eng/funding-programs/funding-opportunities/ao/2021-planetary-astronomy-co-investigator.asp>
- [7] Canadian Space Agency, *Flights and Fieldwork for the Advancement of Science and Technology (FAST 2021)*, Montreal, Quebec, Canada. Available: <https://www.asc-csa.gc.ca/eng/funding-programs/funding-opportunities/ao/2021-fast.asp>
- [8] Natural Sciences and Engineering Research Council of Canada, "How to apply", *nserc-crsng.gc.ca*. [Online]. Available: https://www.nserc-crsna.gc.ca/Students-Etudiants/AppProcess-ProcessusDemande_eng.asp

43:00 Comment of Mission Command on visibility of CSA

- [9] E. Howell, "Jeremy Hansen: Artemis 2 Canadian astronaut will fly around the moon", spacenews.com, Apr. 2023. [Online]. Available: <https://www.space.com/artemis-2-moon-astronaut-canada-jeremy-hansen>

50:15 How does the average Canadian benefit from Space Exploration?

- [10] Canadian Space Agency, *Everyday benefits of space exploration*, Montreal, Quebec, Canada. [Online]. Available: <https://www.asc-csa.gc.ca/eng/about/everyday-benefits-of-space-exploration/>
- [11] Canadian Space Agency, *Improving our day-to-day lives*, Montreal, Quebec, Canada. [Online]. Available: <https://www.asc-csa.gc.ca/eng/about/everyday-benefits-of-space-exploration/improving-our-day-to-day-lives.asp>

58:55 What can students do to help CSA reach their goals?

- [12] Canadian Space Agency, *Internships and student jobs in the space sector*, Montreal, Quebec, Canada. [Online]. Available: <https://www.asc-csa.gc.ca/eng/jobs/internships-and-student-jobs.asp>