

1. CALL TO ORDER

Call to Order – 2:07 PM

2. TERRITORIAL ACKNOWLEDGMENT

We respectfully acknowledge that the SFSS is located on the traditional, unceded territories of the Coast Salish peoples, including the xwməθkwəyəm (Musqueam), Skwxwú7mesh Úxwumixw (Squamish), Selílwitulh (Tsleil-Waututh), kwikwəxəm (Kwikwetlem) and qicəy (Katzie) Nations. Unceded means that these territories have never been handed over, sold, or given up by these nations, and we are currently situated on occupied territories.

3. ROLL CALL OF ATTENDANCE

ROLL GILL OF THE LENDTH GE	
3.1 Board Composition	
President (Chair)	Giovanni HoSang
VP External Relations	Jasdeep Gill (via
phone)	
VP Finance	Tawanda Chitapi
VP Student Services	Christina Loutsik
VP Student Life	Jessica Nguyen
VP University Relations	Shina Kaur
At-Large Representative	Maneet Aujla
At-Large Representative	Rayhaan Khan
Faculty Representative (Applied Sciences)	Nick Chubb
Faculty Representative (Arts & Social Sciences)	Jennifer Chou
Faculty Representative (Business)	
Faculty Representative (Communications, Art, & Technology)	
Faculty Representative (Education)	
Faculty Representative (Environment)	Julian Loutsik
Faculty Representative (Health Sciences)	Osob Mohamed
Faculty Representative (Science)	
3.2 Society Staff	
Campaign, Research, and Policy Coordinator	Sarah Edmunds
Executive Director	Sylvia Ceacero (via
phone)	
Administrative Assistant	Kristin Kokkov
Executive Assistant	Shaneika Blake
Build SFU General Manager	Marc Fontaine
Building Manager	
Finance Manager	
_	
3.3 Guests	
Council/Board Liaison	Gabe Liosis



Public Affairs Coordinator (CJSF) Student
Executive Finance Coordinator
Executive Finance Coordinator. Zak Thompson Chair of EMBARK Priscilla Lam Executive Director (EMBARK) Ali White Music Director (CJSF) Ricky Castanedo Laredo Student Haider Masood Student Anuki Karunajeewa Director of Administration (SFPIRG) Susan Chiv
Chair of EMBARK Priscilla Lam Executive Director (EMBARK) Ali White Music Director (CJSF) Ricky Castanedo Laredo Student Haider Masood Student Anuki Karunajeewa Director of Administration (SFPIRG) Susan Chiv
Executive Director (EMBARK) Ali White Music Director (CJSF) Ricky Castanedo Laredo Student Haider Masood Student Anuki Karunajeewa Director of Administration (SFPIRG) Susan Chiv
Music Director (CJSF)
Student
Student
Director of Administration (SFPIRG)Susan Chiv
Student Lester Pino
StudentMehtaab Gill
SOCA TreasurerNathan Ngongo
3.4 Regrets
At-Large Representative
VP Student Life Jessica Nguyen
Faculty Representative (Science)

4. RATIFICATION OF REGRETS

4.1 MOTION BOD 2020-02-26:01

Rayhaan/Julian

Be it resolved to ratify regrets from Maneet Aujla, Jessica Nguyen, and Simran Uppal.

CARRIED AS AMENDED unanimously

4.1.1. MOTION BOD 2020-02-26:01

Giovanni/Rayhaan

Be it resolved to add regrets from Jessica Nguyen and Simran Uppal to the agenda.

CARRIED unanimously

5. ADOPTION OF THE AGENDA

5.1 MOTION BOD 2020-02-26:02

Nick/Andrew

Be it resolved to adopt the agenda as amended.

CARRIED AS AMENDED unanimously

5.1.1. MOTION BOD 2020-02-26:02-01

Giovanni/Shina

Be it resolved to add the following motions to the agenda: 9.4 FASS on a Boat 2020; 9.5 Carinaval Red Bull Collaboration; 9.6 TransMountain Pipeline awareness event; 9.7 SFSS Events Scavenger Hunt; 9.8 Student at-larges on the University and Academic Affairs committee; 9.9 Appointment of IEC Commissioners.

Be it further resolved to move the presentations before the New Business.



Be it further resolved to add discussion item 'Care packages' to the agenda.

CARRIED unanimously

6. APPROVAL OF THE MINUTES

6.1 Board Minutes – MOTION BOD 2020-02-26:03 Julian/Rayhaan

Be it resolved to receive and file the following minutes:

• BOARD 2020-02-05

CARRIED unanimously

6.2 Committee Minutes – MOTION BOD 2020-02-26:04 Emerly/Shina

Be it resolved to receive and file the following minutes:

- EVENTS 2019-10-29
- EVENTS 2029-11-12
- EVENTS 2019-11-26
- EVENTS 2020-01-08
- EXEC 2020-01-29
- EXEC 2020-02-12

CARRIED unanimously

6.3 Council Minutes – MOTION BOD 2020-02-26:05

Andrew/Nick

Be it resolved to receive and file the following minutes:

- COUNCIL 2019-12-04
- COUNCIL 2020-01-22

CARRIED unanimously

7. REPORT FROM COUNCIL/BOARD LIAISON

- A motion to request for a forensic audit of the Fall Kickoff 2019 was postponed.
- Council Governance Committee, Council Oversight Committee, and Council Public Outreach Committee were established.

8. PRESENTATIONS

8.1 Satellite Design Group Project

- The Satellite team was formed in 2016
 - o Launching a Satellite costs \$200 000
 - o This is the co-work of SFU and UBC students.
 - o \$55850 CAD is will be paid altogether:
 - Each school pays about \$27000.
 - o SFU has right now \$10548 and they ask SFSS for \$15000.
 - o Benefits of the satellite program:

Forum Chambers Board of Directors Simon Fraser Student Society Wednesday, February 26th, 2020



- It's a second student-led satellite program in Canada;
- Engaging to students;
- The sponsorship would take SFSS brand to space;
 - National and international representation of SFSS through media, conferences and research initiatives.
- Ouestions:
 - o It was asked if there is anything more that your own faculty can offer.
 - FASS has offered \$1000
 - Their work depends on external sponsorship, additional support by the faculty is not certain.
 - o It was brought out that there is a shortage between what you ask and what you need what are the plans to cover this cap?
 - The plan is to ask for sponsorship.
 - UBC has offered to cover the gap if necessary, however, this would give UBC more than 50% of the project's ownership.
 - SFU wants to have 50% of the ownership.

8.2 Society of Arts and Social Sciences – Fass on Boat

- This is an event on a boat for FASS students;
 - o The aim is to provide experience for students.
- The expenses are \$8,670 altogether;
 - o Organizers are asking for \$5,820 from the SFSS.
- It was pointed out that if calculated, the cost of the event per person is about \$72.
 - o The cost of Fall Kickoff 2019 was about \$83 per attendee.
 - It was asked if the organisers have prepared for questions about the cost per attendee.
- The organisers explained that 80 attendees is an estimate number based on previous years.
 - O However, they hope to have more people to attend, because the cost of the tickets is lower than last year.
 - This would bring down the cost per person.
 - o The capacity of the boat is 180 people.
- It was pointed out that the FASS also received a grant of \$4500 for FASS-Fest in the summer.
- The organisers said that they will ask for support also from Council and DSUs.
- It was suggested to come back to the Board after it is know how much money it is possible to receive from DSUs.
- It was pointed out that for the FASS-Fest they tried to get money from DSUs and they could not give much.

9. NEW BUSINESS

9.1 MNP Presentation on Audit Options – MOTION BOD 2020-02-26:06 Julain/Rayhaan

Be it resolved to authorize the Executive Director to engage Peter Guo and Mark Jordan https://www.mnp.ca/en/personnel/mark-jordan of MNP to present to the SFSS Board of Directors and to the SFSS Council on March 4th 2020 on the matter of potential audit options. Be it further resolved to authorize the Executive Director to spend up to \$5.200,00 plus ancillary expenses (parking, kms etc...) for the above (as per MNP engagement letter of February 19 2020).



CARRIED unanimously

- Peter Guo previously gave a presentation about different audit option to Executive Committee.
- Now Board is authorizing Executive Director to spend the money on organizing the presentation to the Board of Directors and the Council.
 - o It was emphasised that it is important to have correct information about audit options before moving forward.
- It was clarified that \$5200 is the sum of money for the presentation about potential audit options, and this is not part of the audit itself.

9.2 Viable Space Allocation Configurations – MOTION BOD 2020-02-26:07 Julian/Fiona

Whereas the Board gave the mandate to explore viable space allocation options and a response was sent by the groups outlining three configurations,

Whereas the Executive Committee recommended that the Board consider Configuration 3 as well as an additional configuration entitled Configuration (3a) as an amendment to configuration (3) as attached,

Be it resolved that the Board of Directors approve and give the Executive Director and the VP Finance the mandate to present these two configurations (3) and (3a) to the groups as Viable configurations and enter into an agreement with the groups based on these configurations.

CARRIED unanimously

- Several guests gave short presentations and supported the Configuration 3.
- It was brought out that there is a solution that is viable and works for us all.

Nick Chubb left at 3:10 PM

- It was explained that configuration 3a was put forward before it was known to the Executive Committee that EMBARK is losing their space,
 - o They were considered to be part of the groups that should have a space already.
 - o They right now have a space in the West Mall, but the fact that they have to move from there was a new information.
- As a result, a Board member is not supporting Configuration 3a, because this does not give space to EMBARK.

Julian Loutsik left at 3:17 PM

9.3 YWIB – MOTION BOD 2020-02-26:08 Emerly/Osob

Be it resolved to approve up to \$610.40 for the YWiB International Women's Day Gala tickets from the Conferences budget.

CARRIED AS AMENDED unanimously

9.3.1. YWIB - MOTION BOD 2020-02-26:08

Emerly/Osob

Be it resolved to change 'x' to 'up to \$610.40'.

CARRIED unanimously



• This amount includes the tickets for Board members, Events committee members and the 8 winners.

9.4 FASS on a Boat 2020 – MOTION BOD 2020-02-26:08 Fiona/Andrew

Be it resolved to spend up to \$5,000 from line item 817/16 for FASS on a Boat 2020.

CARRIED AS AMENDED: 8 in favour, 1 abstention

- There was a recommendation to have more discussions about the budget of the event before voting on the motion.
- A Board member asked, if the motion is postponed, would there be enough time to organize this event?
 - o The event is on March 20th the deadline is close.
- There was a question, why the organisers committed to certain expenses if the funding was not secured and why the event is happening again if it lost money last year.
- Furthermore, it was brought out that this amount of the funding from SFSS brings the cost per person of the event close to the cost per person of the Fall Kickoff 2019.
 - o There is a possibility that people want to have an audit about this event as well.
- The organisers explained that they do not expect to spend the entire amount.
- A Board member expressed opinion that the parallel between FASS on Boat and Fall Kickoff is not accurate.
 - We are a non-profit organisation, we do not need to make money.
 - o FASS is the biggest faculty in school and other students are attending as well.
 - o The ticket price has gone down
- This event has been advertised in the expectation that the event will go through.
- A Board member asked it the organisers can ask for extension for the payment of the boat.
 - o The latest payment date for the boat is March 17th.

Christina Loutsik came at 3:30 PM

- It was asked if the organization of the event is still feasible if the motion is postponed,
 - O The organizers said that getting confirmation from the boat is not an issue, but the problem would be with selling the ticket sell.
 - The price of the tickets would have to be adjusted according to the budget.
- It was insisted that from the finance perspective, it is necessary to answer the questions about the budget.
 - o The contract cannot be signed unless the funding is certain.
- It was pointed out that even though the event is not in the magnitude of Fall Kickoff, it is still necessary to answer to the students, because someone might do the maths and can ask why we are not going to have an audit for this event.
- It was proposed to amend the motion to lower the amount of money.
 - The practice so far has been that the amounts between \$1000 and \$5000 has been approved without the Board.

^{*}Fiona Li left at 3:40 PM*



- o It was suggested that the organizers would work out the budget together with Executive Director.
- o If the budget is over \$5000 it would have to come back to the Board.
- The organisers pointed out that they need the deposit (\$1000) on February 28th.
- Executive Director is on vacation until next week and cannot approve the money before March 2nd.
- It was proposed to amend the motion and lower the amount to \$5000.

9.4.1. FASS on a Boat 2020 - MOTION BOD 2020-02-26:08

Jennifer/Andrew

Be it resolved that the dollar amount is changed from \$5,820 to \$5000.

CARRIED unanimously

9.5 Carnival Red Bull Collaboration

Emerly/Rayhaan

Be it resolved to approve \$1104.35 for the Carnival Red Bull Collaboration Event from the Events budget.

CARRIED unanimously

• Note: This event has been approved by the Events Committee.

9.6 TransMountain Pipeline awareness event – MOTION BOD 2020-02-26:09 Shina/Osob

Whereas the University and Academic Affairs committee approved funding and support of a TransMountain Pipeline awareness event to be held in collaboration with SFU350 pending Board approval,

Be it resolved that the Board of Directors endorse and support the TransMountain Pipeline Awareness event.

CARRIED unanimously

- This event was proposed to SFSS and UAA Committee approved up to \$2,130 from the Campaigns, Research, and Policy budget for this event.
- There will be presentations by Chris Bowcock (Burnaby Deputy Fire Chief) and Rueben George (Tsleil-Waututh Chief) to talk about the pipe line to SFU students and SFU community as a whole.
- The event will take place on March 10th, about 50-150 attendees are expected.
- The motion is on Board agenda, because this event was not in UAA's yearly plan.

9.7 SFSS Events Scavenger Hunt – MOTION BOD 2020-02-26:08 Emerly/Rayhaan

Be it resolved to approve \$200 for SFSS Events Scavenger Hunt from the Events Budget.

CARRIED unanimously

- This amount of money is for the prices for winners.
- It's a social media campaign to promote SFSS.

9.8 Student at-larges on the University and Academic Affairs committee – MOTION BOD 2020-02-26:10

Shina/Osob

Be it resolved to appoint Helen Pahou and Helen Araghi Sooreh as student at-larges on the University and Academic Affairs committee.



CARRIED unanimously

• There were student-at-larges who could not attend the meetings this term and the application was opened.

9.9 Removal of motion 'Appointment of IEC Commissioners' – MOTION BOD 2020-02-26:11 Giovanni/Rayhaan

Be it resolved to move the motion '9.9 Appointment of IEC Commissioners' from the agenda.

CARRIED unanimously

• Interviews are still going on and no new persons are hired yet.

10. DISCUSSION ITEMS

10.1 Carnival X Redbull Collaboration

The motion about this event was passed already.

10.2 Care packages

- Sustainable candles and cookies will be handed out.
- Also eye masks will be given out.
- The report will be sent over soon

11. GUEST 30 MIN Q&A

No questions

12. ATTACHMENTS

- 2020-02-26 BN Presentation to Board and Council potential audit Fall Kick Off Final.pdf
- Exec Motion Feb 19, 2020 Recommendation to BoD.pdf
- Exec Motion Feb 19, 2020 Recommendation to BoD.pdf
- TMX Presentation Event Proposal.pdf
- Updated Proposed Budget to SFSS BOD.pdf
- FASS-on-a-Boat-Presentation.pdf
- SAT SFSS Presentation.pdf

13. ADJOURNMENT

13.1 MOTION BOD 2020-02-26:11

Christina/Osob

Be it resolved to adjourn the meeting at 3:58 PM.

CARRIED



Briefing note: Presentation – potential audit Fall Kick-off

Presented by: Sylvia Ceacero, E.D.

To: SFSS Board of Directors

Meeting date: February 26th 2020

Background:

The SFSS Board has been discussing the potential of conducting a forensic audit of the 2019 Fall Kick-off.

On January 29th, I invited our external auditor to meet with the Executive Committee to gather information on different kinds of audits.

I also provided the Board with an information note that outlined the differences between a forensic and an internal audit for its discussion at the February 5th Board meeting. A motion that requested a forensic, internal and a consultant audit was defeated (see minutes of said meeting) due to the lack of clarity or specificity of expert and scope of the potential audit.

Understanding the importance the Board places on due diligence, I met with Peter Guo, https://www.mnp.ca/en/personnel/peter-guo on February 10th to clarify what is possible for the Board to undertake. I then requested that the Executive Committee convene to discuss with Mr Guo the different avenues available to the Board. This conversation was held with the E.D. absent from the room, for obvious reasons.

Following the conversation, the SFSS Executive requested that I obtain a quote from Mr Guo's company, MNP for a presentation to the SFSS Board and to Council, who has been discussing this matter as well and advising the Board accordingly.

Recommendation:

Motion:

Be it resolved to authorize the Executive Director to engage Peter Guo and Mark Jordan https://www.mnp.ca/en/personnel/mark-jordan of MNP to present to the SFSS Board of Directors and to the SFSS Council on March 4th 2020 on the matter of potential audit options.

Be it further resolved to authorize the Executive Director to spend up to \$5.200,00 plus ancillary expenses (parking, kms etc...) for the above (as per MNP engagement letter of February 19 2020).

SFSS Executive Committee Motion Passed Feb 19, 2020

Be it resolved that the Executive Committee recommend that Configuration #3 as listed in Email received from groups on Feb 13, 2020 at 4:27pm be considered, as well as an additional option entitled "3a" - an amendment to Configuration 3 that allocates the Copy Center to SOCA, and the current storage room on level 1000 be allocated to Embark. CARRIED"



Viable Options for Space Allocation

Hello Tawanda and Sylvia,

Thank you again for meeting with the Rotunda groups on Monday to discuss viable options for space in the SUB.

In my previous email, I indicated that the Rotunda groups would be in touch with our proposed choices for space by the end of next week, after having a chance to discuss in more detail with our respective decision-making bodies. We understand that time is of the essence, and much like the SFSS Board, we would like to come to a resolution as soon as possible.

Informal discussions have taken place between representatives of the four groups, and while we have found that the specific configurations presented by the SFSS Board cannot adequately meet the needs of the Rotunda groups, we believe a compromise can be reached with minor alterations. The Copy Centre provides insufficient space to house CJSF, and provides insufficient space to house any other two organizations at once. In the interest of time and in the hopes of a speedy resolution, we have three space configurations we'd like to propose as minor amendments to the options presented on Monday.

If the SFSS Board is amenable to any of the following configurations, we can find a time to reconvene, discuss any particulars, and draft a Letter of Agreement for all parties to bring to their respective decision-making bodies for approval and signing.

Below are the three space configurations we are proposing:

1. Configuration #1 (our collective ideal choice):

Allocation of spaces:

Org Suite #1: SFPIRG
Org Suite #2: CJSF
Org Suite #4: Embark
Copy Centre: SOCA

- Considerations:
 - This configuration leaves multiple spaces for future development and use by the SFSS, including Org Suite #3, as well as Forum Chambers and the Undergrounds.
 - This configuration puts all four Rotunda groups in the SUB, and in

- their own respective spaces the preference for all groups.
- This configuration requires no immediate renovations of the MBC spaces in order to house the Rotunda groups.
- This configuration likely requires no renovations of the SUB spaces, with the exception of retrofitting CJSF's suite to create studios.
- This configuration provides an ideal amount of square footage for all of the Rotunda groups' needs.
- Ultimately, this configuration is the most cost effective for students, meets the SFSS's needs for future space, and meets the Rotunda groups' needs.

2. Configuration #2 (our second choice):

Allocation of spaces:

Org Suite #1: SFPIRGOrg Suite #4: EmbarkCopy Centre: SOCA

Forum Chambers and Undergrounds: CJSF

- Considerations:
 - This configuration leaves multiple spaces for future development and use by the SFSS, including Org Suites #2 and #3.
 - This configuration puts all four Rotunda groups in their own respective spaces a preference for all groups.
 - This configuration requires intensive renovations of the MBC spaces for CJSF's use, as neither space is currently designed for organizational purposes. Forum Chambers would need renovations to create secure office space. The Undergrounds would need renovations to make them accessible and to create studio spaces. It is worth noting that during previous negotiations between the SFSS and CJSF re: these spaces, it was determined that the necessary renovations were prohibitively expensive.
 - This configuration likely requires no renovations of the SUB spaces.
 - This configuration provides an ideal amount of square footage for all of the Rotunda groups' needs.
 - Ultimately, this configuration is the least cost effective for students, meets the SFSS's needs for future space, and meets the Rotunda groups' needs.

3. Configuration #3 (our third choice):

- Allocation of spaces:
 - Org Suite #1 (and possibly the detached Copy Centre storage room): CJSF
 - Org Suite #2: Embark and SOCA
 - Org Suite #4: SFPIRG
- Considerations:
 - This configuration leaves multiple spaces for future development

- and use by the SFSS, including Org Suite #3, the Copy Centre, and the MBC spaces.
- This configuration puts Embark and SOCA in a shared suite, albeit one that would likely require no renovations in order to accommodate both groups. This is obviously not an ideal choice, but one that could be made to work.
- This configuration requires no immediate renovations of the MBC spaces in order to house the Rotunda groups.
- This configuration likely requires no renovations of the SUB spaces, with the exception of retrofitting CJSF's suite (and possibly the detached Copy Centre storage room) to create studios.
- This configuration provides less than ideal square footage for all of the Rotunda groups (for example, SFPIRG would be losing approx. 500 square feet of space – nearly the equivalent of OOC or FNSA's current spaces in the Rotunda), but as a compromise, it could likely adequately meet the groups' needs.
- Ultimately, this configuration is cost effective for students, meets the SFSS's needs for future space, and meets the Rotunda groups' needs.

I hope there are enough details presented above to address the reasoning for the proposed configurations, and I'm happy to clarify anything that might be unclear, or answer any questions that may arise.

As next week is Reading Week, there may be opportunities for the SFSS and the Rotunda groups to reconvene and continue Monday's dialogue. Please let us know ASAP if this is something you would like to do, and we will do our best to all make representatives available to attend a meeting.

Once again, thank you for meeting with us this week and for bringing viable space options for the Rotunda groups. We are excited that very real and workable solutions are now on the table, and a resolution that meets everyone's needs is in sight.

Warmly,

Craig – on behalf of SFPIRG, SOCA, CJSF and Embark

Craig Pavelich

Director of Communications
Simon Fraser Public Interest Research Group (SFPIRG)
Pronouns: he/him/his * Honorific: None, thanks!
(778) 782 4360 | communications@sfpirg.ca | www.sfpirg.ca

My Spring 2020 office hours are:

Tuesday to Thursday 10:30am to 4:30pm

TC326 in the Rotunda (2 flrs above the main bus loop) Simon Fraser University Burnaby, BC, V5A 1S6 Unceded Coast Salish Territories

~ engaging students in social and environmental justice since 1981 ~

[Quoted text hidden]



FASS ON A BOAT





What is FASS on a Boat?

- Annual boat cruise party, presented by SASS
- The biggest event of the year for the FASS department
- Main purpose is to engage students and provide them an opportunity to de-stress right before final season hits



Event Information

- Boarding time will be at 5:30 pm-6:00 pm
- Event runtime: 6:00 pm 9:00 pm
- Theme: Masquerade
- Food: Meat and Vegetarian options available
- Alcohol for sale for those of legal age
- Open to current SFU and FIC students only

Safety & Security

- Two security guards will be provided for by Harbour Cruises
- Accessibility accommodations will be made for attendees with specific requirements
- Waiver signage will be required for all attendees prior to the event date



Finances: Expenses

Item	Cost	Fixed Cost or Estimation Cost?
Boat	\$4,200	Fixed Cost
Food	\$2,390	Fixed Cost
Security	\$346.50	Fixed Cost
Photo	\$340	Fixed Cost
Video	\$140	Fixed Cost
DJ	\$265	Estimation Cost
Supplies	\$200	Estimation Cost
Contingency		
(10%)	\$788	
Total	\$8,670	



Finances: Revenue and Contributions

Donations From	Amount Anticipated
SFSS	\$5,820
Student Engagement Fund	\$400
DSUs	\$100
Departments	\$650
Fundraising	\$100
Ticket Sales	\$1,600
Total	\$8,670

Ticket sale breakdown:

Estimated 80 attendees (based on previous years) x \$20

= \$1600

Thank you!

Questions?



SFU SATELLITE DESIGN TEAM

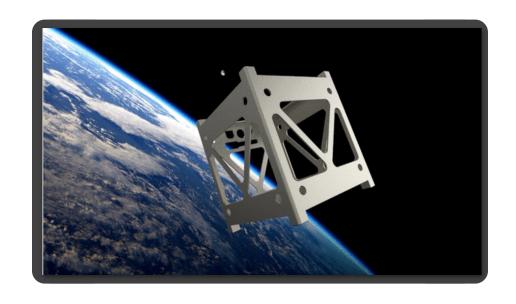


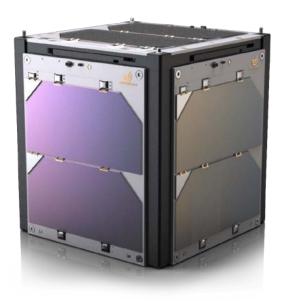
Agenda

- Who We Are
- Achievements to Date
- Project Alea
- Our Mission
- Budget Breakdown
- Milestones
- Project Benefits
- Q&A



What is a Cubesat?





Dimensions: 10x10x10 cm

Mass: 1.3Kg

Achievements

The Canadian Satellite Design Challenge 4 (2016-2018)

- 2nd place among universities without an aerospace program
- 2nd overall in educational outreach
- Total competing teams across Canada: 15

The Canadian Satellite Design Challenge 5 (2018-2020)

A 3U CubeSat designed by our undergraduate team

High Altitude Balloon 1 & 2

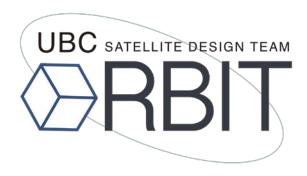
- Used as on-boarding skill building process for new members
- Designed, built, and launched high altitude balloons in 2016 and 2018



Project Alea

- Project started January 2020
- Sending a 1U to space December 2020

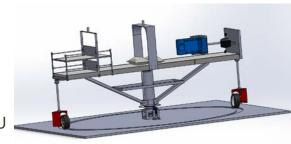




Mission

Human Centrifuge

- Simulating the effects of a human centrifuge using a custom reaction wheel
- In preparation for building the first human centrifuge in Canada based at SFU



Camera

- A camera for taking images of the Earth from orbit
- An educational tool for schools and universities

Technology Demonstration

Demonstrating the custom designed systems made by students in-house

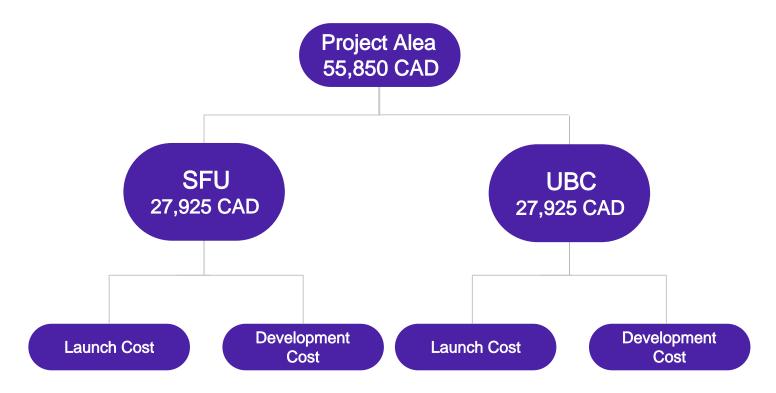


More Than Just a Satellite

- Typical launch cost: \$200,000
- Launch vehicle: SpaceX Falcon 9
- Media and press publicity
- Taking student clubs' engagement and sense of community to the outer space
- Making connections between two school's students



Overall Budget Breakdown



Expenses Breakdown

Momentus Space Launch Cost	16,625 CAD
Structure	3,000 CAD
Communications	500 CAD
Centrifuge	500 CAD
On-Board Computer	500 CAD
Camera	150 CAD
Electrical Power System	6,650 CAD
Total	27,925 CAD

Budget Breakdown

Other Funding Sources	Amount
Savings	4,048.44 CAD
Faculty of Applied Sciences	1,500 CAD
MDA	2,000 CAD
SFSS Total Grants	2,000 CAD
SFU Aerospace	1,000 CAD
Total	10,548.44 CAD

TOTAL ASK: 15,000 CAD

Milestones to Date

Jan 2020 - Present

- ✓ Drafting UBC SFU SAT Agreement
- ✓ Revising Service Agreement
- ✓ Processing the Down Payment to Momentus
- ✓ Developed Design Requirements
- ✓ Developed Project Timeline
- ✓ On-Board Computer (OBC) Schematic Review
- ✓ Communications Schematic Review
- ✓ Officially Named the Satellite
- ✓ OBC Layout
- ✓ Orbit Simulation





Why Invest in a Student-Made Satellite?

Student Engagement Benefits

The First Multidisciplinary Aerospace Program at SFU born from SFU SAT

- Students can develop their skills to break into this industry
- Developing unique skills only possible when the satellite is completed and launched into space
- Encouraging students from ALL FIELDS to work a project that is taking their efforts into space
- Giving students the opportunity to operate the satellite from SFU ground station
- Engaging and inspiring more students for 2024 Lunar missions

Milestones

- Launching a satellite will be a new milestone for SFU students and the SFSS clubs
- 4th Canadian undergraduate satellite to launch a CubeSat

Benefits to the Simon Fraser Student Society

- SFSS brand in Space
- Potential increase in student engagement in clubs
- Inviting astronauts to see the SFU ground station and talk to students
- Launch viewing in December for all students on all campuses
- Building friendships between students through a tangible, long lasting project
- Emphasizing the SFSS support to student groups
- National and International representation of the SFSS through media, press,
 conferences, and research initiatives

simon fraser student society AGI Education Alliance Program























Take The Journey With Us! 🚜 🛽



Q&A Slides

Agreements



Launch Agreement

- A service agreement with our launch service provider Momentus Space
- Must be signed by a representative of SFSS-SFUSat & of UBC over Docusign
- Momentus Space deals with all agreements with the actual launch vehicle provider SpaceX

SFU-UBC Agreement

- An agreement of funds, work, and resource allocations between SFU and UBC for everything relating to this collaboration
- Waiting to finalize before sending to UBC

SFU SAT-SFSS Agreement

Future Milestones

- Purchase of EPS March 4
- Purchase of solar panels March 4
- Structure design sent to machine shop March 21
- All PCB testing starts March 21
- PCB V2 deadline April 18
- All system test plan May 2
- Structure Arrival May 9
- Testing May 9 to October 15

Timeline

	January				February					March		
	4	11		25	1	8	15	22	29	7	14	21
			Requirements Finalized	Downpayment			Downpayment			Internal PDR	Real PDR	
Administrative		•	T III III III III III III III III III I				Name decided					
System-Level								Test plans	Test plans			
Testing								created	created			
							Satellite-wide state diagram					
							System-level	System-level				
Integration							diagram (all	diagram (all				
							electrical connections	electrical connections				
							known)	known)				
					3D Print of	CAD for SFU						
					Current Model	Centrifuge + UBC	Thermal & vibe		Hardware PCB			Structure ready
					(x2) - Printed in White Purple PLA	Camera Mount	simulation	simulation	Integration			for manufacturing
					Willio F diplo F EA							
					Adding room for							
					tolerances on the	PCB Standing w/			Create drawings	Start Quotations		
Structure					structure - GD&T	dimensional requirements			for components	for Manufacturing		
					Review	requirements						
					Get on EPS for Solar Array		(ins/inu/cots)-					
					Dimensions &		name					
					Specifications							
										B		B
					Review meeting Sundays	Review meeting Sundays	Review meeting Sundays	Review meeting Sundays	Review meeting Sundays	Review meeting Sundays	Review meeting Sundays	Review meeting Sundays
Hardware								PCB v1 deadline (all)				Start Testing PCBs
								(41)				1 000
				Licensing			Submit API	Submit API				
				Application Submitted			request	request				
COMMS				Submitted		Licensing		Licensing		Licensing		
COMING	1					Licensing		Licensing		LICANSING	1	1

No Pipeline on the Mountain – Proposal

Purpose

Educate the SFU community about environmental hazards, safety, and violation of indigenous rights and sovereignty. Bring in Burnaby City Fire-Chief, SFU Faculty, and to present on the concerns and hazards associated with the TransMountain Pipeline project. In addition to inviting the First Nations whose lands SFU and the Pipeline are on to present.

Expected Attendance

Roughly 50 - 150 attendees

Location

AQ 3154

Time and Date

Tuesday, March 10 @ 5:30 PM - 7:30 PM

Procedure

- Create a Project Proposal and present to the University and Academic Affairs Committee
- After committee approval, get board approval (event not in year plan)
- Book the location
- Invite relevant parties to the event

Budget

Items/Activities	Cost
SFU Facilities	400.00
Promotions	150.00
Food - MECS	300.00
Honorarium	400.00
Live Stream/Recording	250.00
Contingency 15%	280.00
Total:	2130.00

UAA Motion

Be it resolved to spend up to \$2,130.00 from the Campaigns, Research, and Policy budget for the TransMountain Pipeline Awareness event provided the event is endorsed at the Board Table.

Event Timeline Event: 5:30 - 7:30

- 4:30 5:30 Set-Up
- 5:30 5:45 Introductions (Rueben George)
- 5:45 6:15 Presentation from Rueben George (Tsleil-Waututh Chief)
- 6:15 6:25 BREAK
- 6:30 6:45 Presentation from Chris Bowcock (Burnaby Deputy Fire Chief)
- 6:45 6:50 Buffer
- 6:50 7:10 Presentation from Tim Takaro/SFU Public Safety Chief
- 7:10 7:30 Q&A

Item	Cost	Fixed Cost or Estimation Cost?	Notes	Status	
Boat	\$4,200	Fixed Cost	MV Harbour Princess Cruises fits up to 100; expecting ~80. Hourly rate of \$1400; 3hr boat ride	Confirmed (In-Contract)	
Food	\$2,390	Fixed Cost	Casual Menu #3 (100 people x \$22 + 15% tax + 5% GST)	Confirmed (In-Contract)	
Security	\$346.50	Fixed Cost	(\$165 each x 2) + 5% tax	Confirmed (In-Contract)	
Photo	\$340	Fixed Cost	Chingtai	Confirmed	
Video	\$140	Fixed Cost	Hugo	Confirmed	
DJ	\$265	Estimation Cost	Brian Vo	Waiting	
Supplies	\$200	Estimation Cost	Includes decorations, game supplies, photobooth props	To be bought	
Contingency (10%)	\$788				
Total	\$8,670				
From	Anticipated	Feb 21	Notes	Status	
SFSS	\$5,820	\$0	Submitted on Feb 11, 2020	In-Progress	
Student Engagement Fund	\$400	\$0	\$5/person at 80 people	In-Progress	
DSUs	\$100	\$0	We have nothing from DSUs yet	In-Progress	
Departments	\$650	\$650			
Fundraising	\$100	0	Feb 26 & 27		
Ticket Sales	\$1,600	0	Expecting ~80 x \$20 - last year's \$30 tickets were too expensive, people didn't buy -> lost money on event		
Total	\$8,670		•		
			-		