

ARLISS (A Rocket Launch for International Student Satellites)

存続のためのパブリック
コメント投稿のお願い
(4/29/2019 ~~迄~~)



UNISEC CanSat WG
UNISON学生代表

2019年4月24日 (ver. 2.1)

概要：

- 例年8月～9月にBlack Rock砂漠で実施されてきたARLISSが、Burning Manイベントの拡大に伴い、**2020年から実施できない可能性がある**、とARLISSのロケット打ち上げを担ってくれてきた米国のアマチュアロケット団体Aeropacから連絡がありました。
 - **旧Ver. 2.0で誤って「2019年から」と記述していました。申し訳ないです。**
- 米国内務省**土地管理局**へ**できるだけ多くのパブリックコメントを送ってほしい**、という依頼。
- **現役メンバーだけでなく、OB/OGメンバー全員で力を合わせ、Aeropacに協力し、いままでの感謝の気持ちを示しましょう！！！！**
- パブコメの**締め切りは4/29/2019**です。
皆様一人一人の行動をお願いいたします！！！！
(短文でも良いので、自分はARLISS参加者であり素晴らしい経験をした、ARLISSは特別な場であり開催を中断すべきではない、などだけでも書いてください。)



背景：

- これまでARLISSは、ARLISS開始（1999年）よりも以前の1990年から同じくBlack Rock砂漠で実施されている「Burning Manバーニングマン」
<https://ja.wikipedia.org/wiki/%E3%83%90%E3%83%BC%E3%83%8B%E3%83%B3%E3%82%B0%E3%83%9E%E3%83%B3>
とうまく共存し、開催が維持されてきた。
- ところが現在、米国内務省土地管理局（U.S. Dept. of the Interior, **the Bureau of Land Management: BLM**）の調整により、
 - **7万人規模だったBurning Manイベントを、2022年に10万人規模へと拡大する方向**で、Burning Manのための砂漠の今後10年間の使用権 (permission)について、**5つの選択肢 (Alternatives)**（次ページ参照）が議論されている。
- そのうちの選択肢によっては、**ARLISSの開催ができなくなる。**したがって、**ARLISSへの影響を最小にするよう、パブリックコメントを提出してもらいたい**、との依頼がAeroPacからあった。


Burning Man Alternative Comparisons

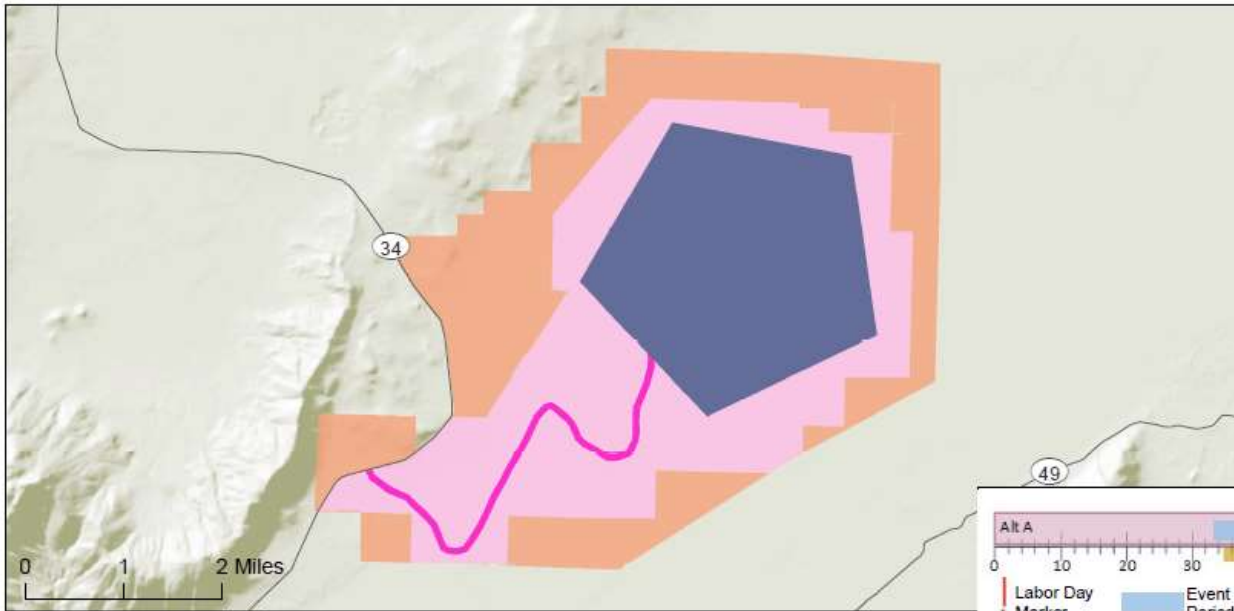
Alternative A

Closure Areas




-  Phase 1:
9,580 acres
-  Phase 2:
5,240 acres

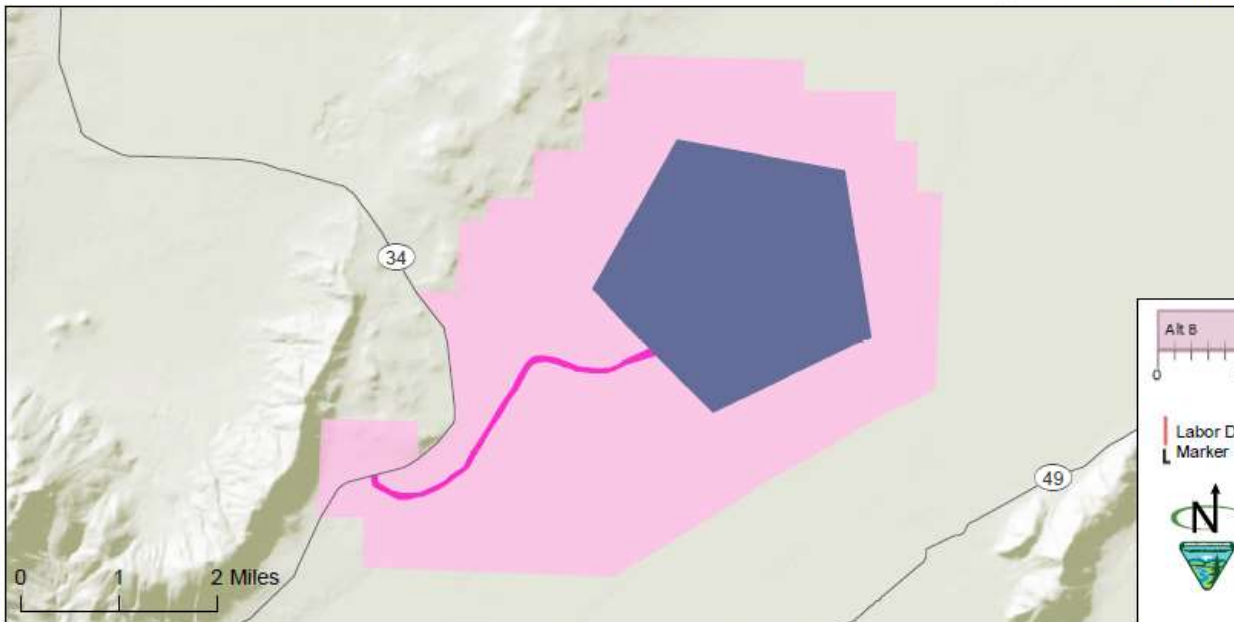
Total: 14,820 acres

-  Event area
-  Event Entrance Road





Alternative B

-  Closure Area
Total: 14,140 acres
-  Event area
-  Event Entrance Road



Alt B timeline: Labor Day Marker at day 0, Event Period from day 20 to 25, Phase 1 Period from day 0 to 42.



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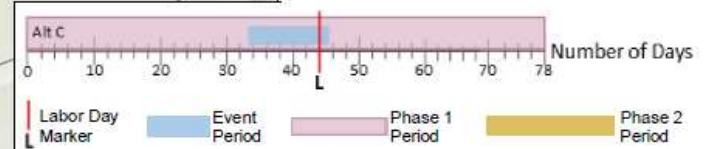
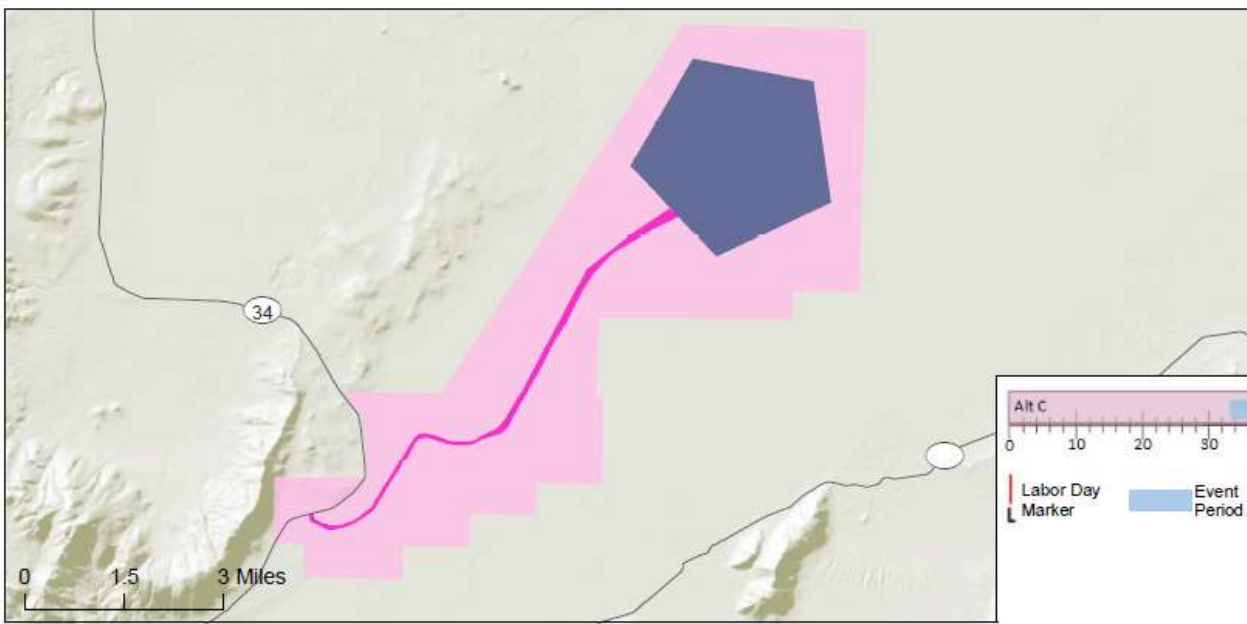


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Burning Man Alternative Comparisons

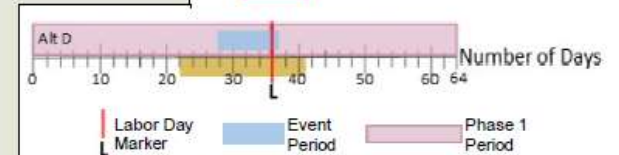
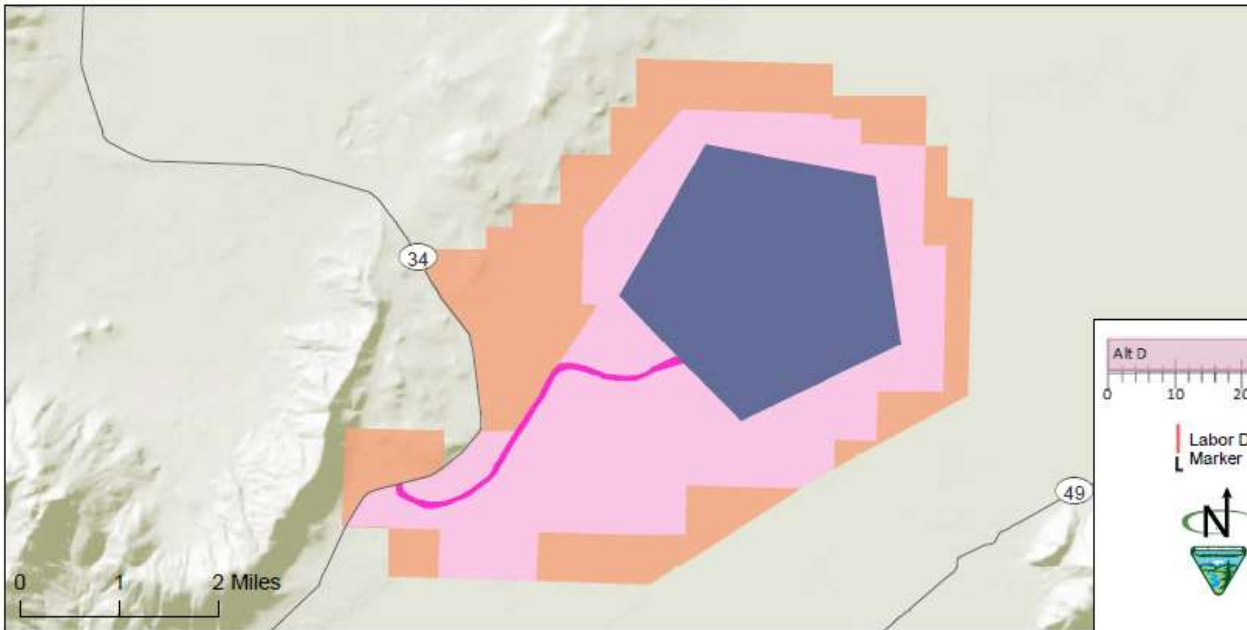
Alternative C

-  Closure Area
Total: 18,940 acres
-  Event area
-  Event Entrance Road



Alternative D

-  Phase 1:
9,560 acres
-  Phase 2:
4,760 acres
- Total: 14,320 acres**
-  Event area
-  Event Entrance Road



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Alternative E: No permission control by BLM

(誰でも勝手に出入りできるようにする)

5つのAlternativesに対するAeropacの見解（1 / 2）

- **Alternative BかDであれば、ARLISSとBurning Manは共存できる。**
一方、Alternative A, CおよびEは、Aeropacは許容できない。

原文： We prefer alternative B or D We definitely do not prefer A, C, or E since we think those alternatives would make things worse for our events with lower access and increase the level of dust and damage to the playa.

- **Alternative Aは、規模を10万人に拡大する。ARLISSにも砂漠の使用権が出るが、範囲がこれまでよりも制限される。**

原文： Alternative A has a 490 acre increase in playa closure area, a 5,000 person increase per year until capped at 100,000 and does allow access permits for rocketry. We don't think that is helpful to rocketry as it will further increase dust and impinge access on rocketry and limit the area available for ARLISS launch and recovery.

- **Alternative Bは、Burning Manの人数を5万人に制限し、2018年と同じエリアのみ使用許可する。ARLISSとBurning Manはこれまで通り共存する。**

原文： Alternative B has a reduced population of 50,000 and the same footprint as they did in 2018. That one is not too bad. We would have access and there would be fewer people trampling the playa during BM which should lower the amount of residual dust for ARLISS.

- **Alternative Cは、「A」に近いが、Burning Manの許可のエリアがさらに広く、最もARLISSとの共存が困難な案。**

原文： Alternative C would be similar to Alternative A (Proposed Action), except the Closure Area boundary would be increased to 18,940 acres, the 3,900-acre Event perimeter would shift to the north, and there would be no phased Closure Area. Primary access to the playa would remain at 8-Mile Playa Access; the distance from CR 34 to the Event site would be 8 miles (see Figures 2-1 and 2-2; Appendix A). The maximum Event population (bodies on playa) would be 100,000. There would be no more than 100,000 total attendees (including Event participants, staff, and volunteers) allowed on the playa from the start of the Closure Order to the end of the Closure Order. Please include in your comments that you don't like alternative C. We definitely don't want them closer to where we launch. The dust is bad enough from where they are now.

続く

5つのAlternativesに対するAeropacの見解（2 / 2）

- **Alternative BかDであれば、ARLISSとBurning Manは共存できる。**
一方、Alternative A, CおよびEは、Aeropacは許容できない。

原文： We prefer alternative B or D. We definitely do not prefer A, C, or E since we think those alternatives would make things worse for our events with lower access and increase the level of dust and damage to the playa.

- **Alternative Dは、Burning Manの人数を8万人に制限し、2018年と同じエリアのみ使用許可する。Aeropacにも使用許可が出る。ARLISSとBurning Manは共存できる。**

原文： Alternative D is the same as what they had in 2018. No increase in boundaries. Population cap of 80,000 and access permits for rocketry.

- **Alternative Eは、許可なしに砂漠を使用できるというもの。すべてが台無しになるだろう。**

原文： Alternative E is no Burning Man event at all but they state that people would just have an un-permitted gathering and screw up everything worse than they do now.

より詳細には、以下のURLにアクセスし

<https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=139649>

「Burning_Man_Event_SRP-Draft_EIS_Vol1.pdf」と
「Burning_Man_Event_SRP-Draft_EIS_Vol2.pdf」をご参照ください。

4/29 〆切のパブリックコメント提出のお願い

<https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=dispatchToPatternPage¤tPageId=139649>

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

ePlanning DOI-BLM-NV-W030-2018-0003-EIS (Burning Man Special Recreation Permit Renewal)

> NEPA Register > DOI BLM NV W030 2018 0003 EIS > Documents

Project Search: Find Whole Words Only

Home
Documents
Contact Information
How to get involved
Meetings
Maps
Data
Links
FAQs

Last Updated: 04/15/2019 17:45:23 MDT

Documents

Draft Environmental Impact Statement Volumes

Document Name	Release Date	Available Formats	Public Participation	
Burning Man Event SRP-Draft EIS_Vol1	03/15/2019	(3247 KB)	Open (03/15/2019 - 04/29/2019)	<input type="button" value="Comment on Document >>"/>
Burning Man Event SRP-Draft EIS_Vol2	03/15/2019	(31692 KB)		


Special Studies Supporting the Environmental Impact Statement

Document Name	Release Date	Available Formats	Public Participation	
AERMOD Modeling Report	03/15/2019	(4834 KB)		
Air Resources Baseline Technical Report	03/15/2019	(28731 KB)		
Artificial Light at Night Assessment	03/15/2019	(4551 KB)		
Assessment of Economics, Social Values, and Environmental Justice	03/15/2019	(4717 KB)		
Biological Resources Baseline Report	03/15/2019	(8090 KB)		
Black Rock City 2012 Oil Drip Monitoring	03/15/2019	(258 KB)		
NASA Develoo Group Study on the Black Rock Playa	03/15/2019	(6419 KB)		
Noise Impact Assessment	03/15/2019	(9892 KB)		
Post Event Inspection Reports 2014-2017	03/15/2019	(8464 KB)		
Public Health and Safety at the Burning Man Event	03/15/2019	(414 KB)		
Traffic Analysis	03/15/2019	(8103 KB)		

Public Meeting Materials - April 2019

Document Name	Release Date	Available Formats	Public Participation	
Alternatives Handout	04/15/2019	(91 KB)		

ココ



タイトル、Chapter Referenceなどは「文例0」を参照

セクションごとにコメントを付ける形。複数のコメントを同時に入力可能。本文は公開される可能性があるため個人情報を書かないほうが良いかも。

コメントを直接入力するか、あるいはレターのファイルを添付する。

NEXT



「NEXT」を押すと、名前と所属の入力画面が出る

提出の際は、枠の右下のほうに「NEXT」があるのでクリック。見逃さないように注意！（修正の際はPrevious）

Alabamaが入力済状態なので要修正。

電話番号はXXX-XXX-XXXXのフォーマットでないと入力できない

団体に連名で出すこともできるが、なるべく個人で出してほしい、という依頼あり。

NEXT

Aeropacからの依頼

- できるだけ多くの個人からのコメントが効果的である。

It was made clear by the BLM that they want written comments from as many individuals as possible. Group signatures are not going to be as effective as individual ones.

- どのAlternativesが良いのかコメントを添えてほしい。

Just make sure that you address your comments to one or more specific options listed in the EIS.

- Burning Manを貶すようなコメントではなく、（ARLISSがいかに意義深いかという）ポジティブなコメントが良い。

They will respond better to positive comments than negative bashing of Burning man in general.

- 簡潔にポイントをつく文章が良い。

Short focused responses will have greater likelihood of being read.

- ARLISS (A Rocket Launch for International Student Satellites)での経験が、いかに**世界のサイエンスにとって重要**であり、いかに**独特な (unique) な機会であるのか**について、**自身の経験**を書いてほしい。

Be positive about ARLISS, your experience at Black Rock and how important these experiences are for science and how unique it is.

- ARLISSはAeropacにとってだけ重要なのではなく、米国、さらに世界、にとって重要なイベントである。すべての世代の学生たちに意味がある。

Thank you for the opportunity to speak on a mission that is not only important to me - but to many not only in the United States, but around the world. Not only to people of maturity like myself, but for learners of all ages.

- これまでARLISSには数千人の学生が、30か国以上から来た。このイベントからCubeSatが生まれた。ARLISSを経験した学生たちが多くの衛星を開発している。彼らはNew Spaceをけん引する存在になっている。ARLISSは世界で最も重要な宇宙イベントである。

AeroPac, with international partners, sponsors ARLISS - A Rocket Launch for International Student Satellites - the premier international rocketry event that for twenty years has given thousands of students from over thirty countries opportunities to experiment with rockets and satellites. This program invented CubeSats which have become the de facto standard format for Low Earth Orbiting satellites and hundreds of such satellites have been orbited by ARLISS alumni (and sent to deep space and Mars!) and inspired a generation of New Space start up businesses. It is possibly the single most influential space education program in the world.

文例0 : Comment Titleの例

- Alternatives A, C, E should be avoided to save the rocketry event
- Please choose Alternatives B or D to enable our simulated-satellite test
- I believe that Alternatives A, C, E are big loss for Science and Technology education in the world
- Please allow Rocketry event and Burning Man keep co-existing
- Any other your unique title will be preferred!

Burning Man Event SRP-Draft EIS_Vol1

Comment Submission Form

My Comments

1 2 3 4

Comment Title: Chapter Reference: Section Reference:

Body:

Attachment: 選択されていません

Character Count Max of 11,000

Note: Due to BLM security settings, the comment form currently re-sets after 60 minutes. This means your comments need to be complete within 60 minutes or the comment form will be deleted.

なるべくタイトルを多様に。
(もちろん本文もですが。)

Chapter References: “Chapter 2” discusses “Alternatives”.

Section References: “Section 2.2 – 2.6” introduce 5 Alternatives.

文例 1 : 過去に参加した方々

注意1: 本文は公開される可能性があるため、個人情報
はコメント本文ではなく、住所の入力時だけ入力する。
注意2: 米国では長さの単位はmile, yardのほうが一般的な場合
があります。

- I attended a rocket launch event organized by AEROPAC in Black Rock in 20XX. Our team of University of -- developed a small satellite model "CanSat" which was launched up till 2.2 miles by AEROPAC's rocket and we could conduct engineering experiment while the CanSat is falling down to the ground. This experiment is called "ARLISS." Through this experiment, we could obtain many technologies such as -----, and also we gained skills and experiences of project management, team work etc. Based on this CanSat experiment, we started real satellite development, and already launched ---- into Earth orbit. From this experience, I believe that ARLISS contributed tremendously to our space engineering and project management education, so I would like to cordially ask the authority to allow AEROPAC to continue the rocket launch event and ARLISS in Black Rock.

I think that Alternative B or D would make it possible to continue the ARLISS in September. Your consideration is highly appreciated.

- I want more students, including students in the U.S. and all over the world to join this rocketry event.
- I look forward to working as a space engineer after graduation, and I am sure I will see many alumni of this event wherever I work in the world. It is really pity if the ARLISS is discontinued in 2019 because of the inappropriate desert permission.
- Please keep the Burning Man and ARLISS co-exist.
- Five of our satellite development team actually joined ARLISS. The rocketry event at Black Rock is the source of our technology.
- I believe that ARLISS will be discontinued or significantly downsized if Alternatives A, C, or E are chosen. I believe this has huge negative impact to education in space technology and science, not only in the US, but also in all over the world.

文例2：これから行く学生用

注意1：本文は公開される可能性があるため、個人情報
はコメント本文ではなく、住所の入力時だけ入力する。

注意2：米国では長さの単位はmile, yardの
ほうが一般的な場合があります。

- I am a college student majoring in XXX Engineering.
 - I am currently developing a simulated-satellite, called CanSat, to attend ARLISS (A Rocket Launch for International Student Satellites) at Blackrock desert in September. There, our hand-made satellite would be launched up to 2.5-mile altitude.
 - But I am very anxious when I heard that we might not be have a chance to carry out our lauch experiment because of the permission of desert usage. Please give us a chance to launch in September. I have worked so hard since last year to enable the launch experiment.
 - As far as I know, Black Rock is very unique environment for student satellite launch experiments and there is no other such opportunity anywhere in the world
 - Since my high school age, I have wanted to learn about aerospace engineering and make small satellite in University. ARLISS is the only event that we can test a small satellite and launch rocket. So I have been working on this event in school life.
 - It is already one of my dreams to launch my satellite in the Black Rock desert.
 - In my understanding, Alternative B or D will enable to continue ARLISS. I'd appreciate if you could pay attention of my petition who strongly want the rocketry event at Black Rock should be continued.
-
- If Alternatives A, C, or E were chosen, we may not be able to test the CanSat at Black Rock anymore. Please, please do not do it.

文例3： 教員の皆様

- Aeropacが主催するARLISS (A Rocket Launch for International Student Satellites)が宇宙工学（ひいてはSTEM (Science, Technology, Engineering, Mathematics)教育一般) の実践的教育の極めて貴重な場として、20年間の努力で維持・発展されてきたものであること。
- 自身の指導する学生も〇〇年間に渡って約〇〇人がARLISSへ赴き、深い学びを得て、いま〇〇などとして活躍していること。
- そこで育った人材が、〇〇など、世界の科学技術を支える現場にいること。〇〇など、先進的な人工衛星の実現に貢献していること。
- Black Rockが世界的に極めて独特 (unique) な環境であり、ARLISSで実施されてきたような学生たちの衛星打ち上げ試験を他でやることは難しいこと。
- これまで通りのARLISS開催が維持できる、Alternatives B or Dの選択を強く望むこと。一方で、ARLISSが中止・大きく制限されるAlternative A, C, or Eが選択されれば、米国および世界のSTEM教育の貴重な場を棄損すると考え、避けることを強く薦めること。

・・・などを、皆様一人一人から、コメント入力いただけますと幸いです。よろしくお願いいたします。