

#10

COMPLETE

Collector:  
Started:  
Last Modified:  
Time Spent:  
IP Address:



Page 3: Submitter Information

Q1

Personal Information

Name

lost Sian Robertson

Email Address



Q2

Are you making this submission on behalf of a business or organisation?

Yes (Please tell us your company/organisation):  
Celestial Commons

Page 4: New Zealand's interests in space

Q7

What are your interests and relationship to space? Pick as many as apply below:

- General interest in space,
- Have cultural connections to space,
- Academic involvement on space issues

Q8

Please note any other interests and relationship to space below that you would like to share.

Celestial Commons is an international community of like-minded individuals, including a number of kiwis living at home and abroad, whose mission is to promote public (common) interest in space and to ensure those interests are represented and advocated for, as human ventures into space develop. We believe every government, enterprise, community and individual has a role to play and the right to participate in building our future in space - one that is shared, not owned. We also believe that going to space presents the opportunity to not only build a peaceful and prosperous future together but also address some of the most pressing issues we currently face here on Earth.

Page 5: New Zealand's values in space

**Q9**

To what extent do you agree or disagree that these values should apply to New Zealand's space activities and engagements?

Innovation	<b>Strongly agree</b>
Responsibility	<b>Strongly agree</b>
Stewardship	<b>Strongly agree</b>
Partnership	<b>Strongly agree</b>

---

**Q10**

Are there any other values, or aspects of kaitiakitanga (guardianship), that you think should apply to New Zealand's space activities and engagements? For example, cultural values regarding space.

Partnership has two aspects. New Zealand should enter into collaborations and partnerships with governments, enterprises, organisations and individuals within and outside of New Zealand who are aligned with NZ's values and objectives. The other aspect of partnership is that these values and objectives should be determined in consultation with the New Zealand public in a transparent, inclusive manner.

---

Page 6: New Zealand's space policy objectives

**Q11**

Rank these key policy objectives in order of importance to you: Click and drag to reorder the objectives from 1 (most important) to 5 (least important)

Growing an innovative and inclusive space sector	<b>3</b>
Modelling sustainable space and Earth environments	<b>2</b>
Promoting the responsible uses of space internationally	<b>1</b>
Protecting and advancing our national security and economic interests	<b>5</b>
Regulating to ensure space activities are safe and secure	<b>4</b>

---

Page 7: Growing an innovative and inclusive space sector

**Q12**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to grow an innovative and inclusive space sector?

Promoting New Zealand's natural advantage for conducting space activities, and research and development expertise across the space value chain	<b>Strongly agree</b>
Partnering within New Zealand and internationally to increase research and development capabilities	<b>Strongly agree</b>
Identifying opportunities to increase diversity in the space sector	<b>Strongly agree</b>
Using cutting-edge space technology and space sourced data to support New Zealand's values and interests	<b>Strongly agree</b>

---

**Q13**

Do you have any comments on these policy objectives? (e.g. any suggested change to how they are framed? Is there anything missing?)

We would like to see diversity on a number of levels: partnerships with smaller global players, not just those that have traditionally dominated the space sector; engaging with people of all ages and cultures within NZ; representing a diverse range of views, interests and backgrounds, rooted in direct consultation with civil society partners, both within NZ and abroad.

---

**Q14**

Are there any other policy objectives that you think would help the New Zealand government to grow an innovative and inclusive space sector?

- Economic support and incentives for secondary businesses and start-ups based in New Zealand that support the larger infrastructure. E.g. technological components, software, training, research & analysis of data.
  - Significant public investment in training and retaining highly skilled professionals in the space sector, especially in the areas of technological innovation, environmental sustainability, scientific research.
- 

**Q15**

Do you have any questions or comments about what these objectives would mean in practice?

Now that space is no longer just the domain of superpowers, we would also like to see NZ investing in local sector growth, to advance our own economic interests, e.g. with significant public funds invested in space-related scientific research, technological innovation and R&D, education, and in upgrading new zealand's industrial capacity to produce high technology end products and ensure that we have a competitive edge in future economic climates and less reliance on primary industries.

---

**Q16**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Advocating for effective international rules, norms and standards in space	<b>Strongly agree</b>
Partnering with like-minded launch states to adopt peaceful, responsible and sustainable space practices	<b>Strongly agree</b>
Collaborating internationally to increase New Zealand's influence and capabilities in the global space sector	<b>Strongly agree</b>

**Q17**

**Respondent skipped this question**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

**Q18**

Are there any other policy objectives that you think would help the New Zealand government to promote the responsible uses of space internationally?

- New Zealand committing to the exclusively peaceful use of space and military non-proliferation.
- Transparent reporting of all of New Zealand's activities in space. Any activities involving classified information should only be entered into with the proviso that they do not support other nations' military activities.
- Advocating for transparency from other international players within the space sector, especially those with large budgets.

**Q19**

**Respondent skipped this question**

Do you have any questions or comments about what these objectives would mean in practice?

Page 9: Protecting and advancing our national security and economic interests

**Q20**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to protect and advance our national security and economic interests?

Use space assets to protect and advance New Zealand's national security and economic interests	<b>Neither agree nor disagree</b>
Manage the broad range of security risks in space to protect New Zealand's space industry	<b>Agree</b>
Collaborate with international space and security partners to pursue New Zealand's national security and economic interests	<b>Neither agree nor disagree</b>

**Q21**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

'National security interests' and 'economic interests' should not be collapsed into one category. These are separate concerns, that sometimes come into conflict. We advocate for the exclusively peaceful use of space. We would like New Zealand to focus on non-military research and technology and become a world leader in demonstrating and advocating for fair, transparent, democratic, inclusive use of space by all of humanity.

Acceptable surveillance activities could include, e.g. monitoring illegal fishing and offshore mining, providing disaster relief, environmental/weather monitoring, tracking NZ's assets in space, monitoring illegal activities in space.

These objectives are too vague/broad. We would like to see more specific language used here.

---

**Q22**

Are there any other policy objectives that you think would help the New Zealand government to protect and advance our national security and economic interests?

Publicly accessible information on all of New Zealand's activities and collaborations in the space sector, including but not limited to launches from NZ soil and their payloads, on a case-by-case basis.

---

**Q23**

Do you have any questions or comments about what these objectives would mean in practice?

Here, we are particularly concerned with transparency.

---

Page 10: Modelling sustainable space and Earth environments

**Q24**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to model sustainable space and Earth environments?

Encouraging inclusive, sustainable space collaborations within New Zealand	<b>Strongly agree</b>
Assessing the cumulative impact of space activities on the Earth environment	<b>Strongly agree</b>
Assisting with solving sustainability challenges through space data, including to better monitor or understand the Earth's environment	<b>Strongly agree</b>
Investing in New Zealand's capability to retain, grow, access and use sustainable space technologies	<b>Strongly agree</b>

---

**Q25**

**Respondent skipped this question**

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

---

**Q26**

Are there any other policy objectives that you think would help the New Zealand government to model sustainable space and Earth environments?

We believe NZ is uniquely positioned to be a world-leader in modelling responsible, peaceful, safe, sustainable, mutually beneficial and profitable uses of space, which also contribute to our understanding of and ability to protect Earth's ecosystems. NZ should collaborate globally with a broad range of non-profit, governmental, educational and scientific organisations, enterprises and institutions to actively share knowledge for the benefit of future generations.

**Q27**

Respondent skipped this question

Do you have any questions or comments about what these objectives would mean in practice?

---

Page 11: Regulating to ensure space activities are safe and secure

**Q28**

To what extent do you agree or disagree that these policy objectives will help the New Zealand government to promote the responsible uses of space internationally?

Facilitating the safe and secure use of emerging space technologies from New Zealand **Strongly agree**

Clarifying what New Zealand space activities are inconsistent with the national interest **Strongly agree**

Promoting and protecting New Zealand's interests through permitting space technologies **Strongly agree**

**Q29**

Respondent skipped this question

Do you have any comments on these policy objectives (e.g. any suggested change to how they are framed? Is there anything missing?)

**Q30**

Are there any other policy objectives that you think would help the New Zealand government to ensure space activities are safe and secure?

As part of regulating space activities, NZ should play a prominent role in developing and upholding existing and future space treaties that benefit all of humanity.

**Q31**

Do you have any questions or comments about what these objectives would mean in practice?

In 'Clarifying what New Zealand space activities are inconsistent with the national interest', how is this determined? Who will be consulted here? Will the Minister simply refer to existing foreign policy? We would like to see regular, open public consultation here.

---

Page 12: Regulating in line with our national interests

**Q32**

Are there any comments you would like to make about these criteria that inform consideration of the national interest?

The only way to ensure activities are aligned with New Zealand's values and interests is to guarantee transparency. Specifically, information that is clear and easily accessible to the public should be provided for all of New Zealand's activities in space. We agree with the list of activities that are not in New Zealand's interests, and would add the bullet point: "that contribute to weapons programmes or capabilities" (not just nuclear). We think space policy should go further than just aligning with existing government international policy. Given that it's often impossible to know in advance whether a payload will be later repurposed for military use, we would like to see a commitment that NZ will not engage in any military activity in space, including not working with companies or organisations that are involved in developing weapons or engaged in surveillance for military purposes. We would also like to see this reflected in any revision of the Outer Space and High-altitude Activities Act.

---

**Q33**

**Respondent skipped this question**

What questions do you have about how the national interest is considered in practice?

---