



# Looking Forward

## Planning to Make Things Happen

Sarah Gallagher  
CSA/Western

# Science Advisor to the President

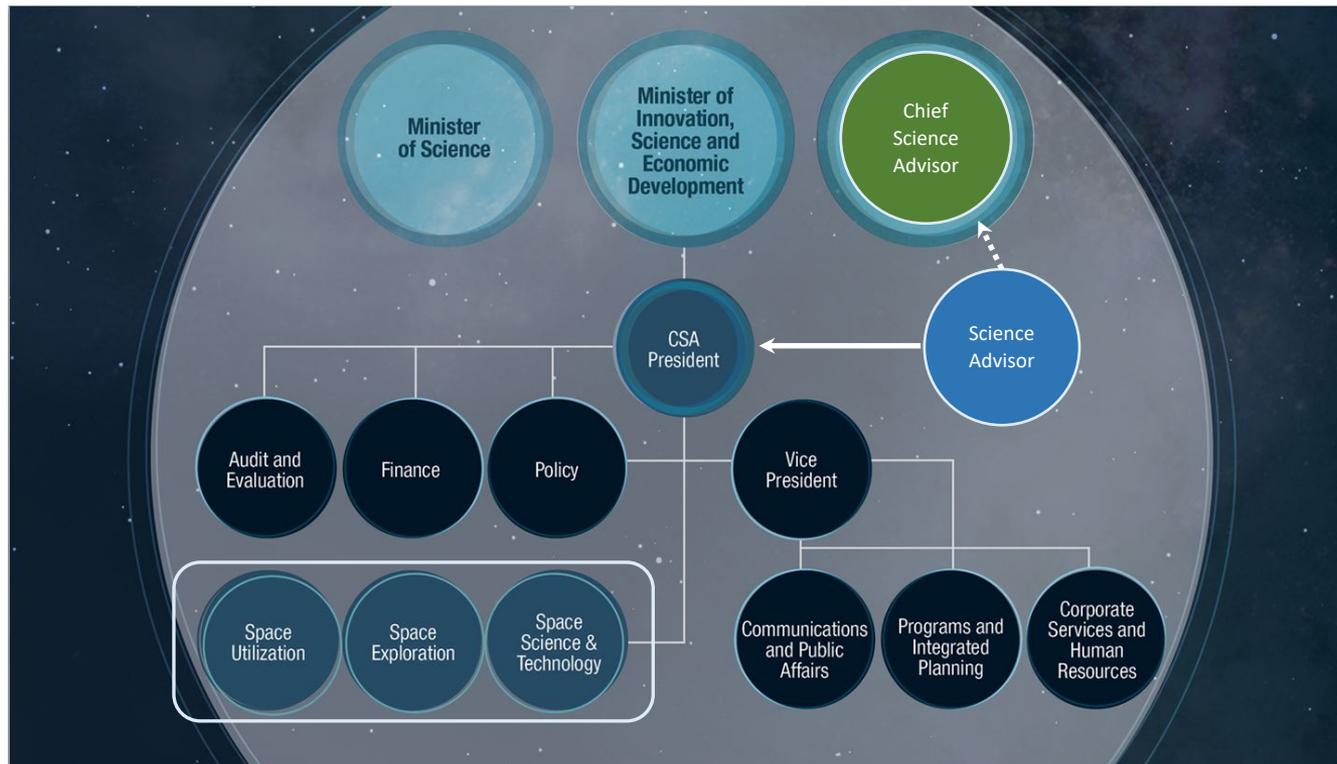
“asked to act as a neutral sounding board for senior officials and decision makers when debating science-related issues, to make recommendations and provide strategic advice on science and science policy issues, as they relate to space, and to act as a link between the CSA and external stakeholders”

*50% position through Interchange Canada program*

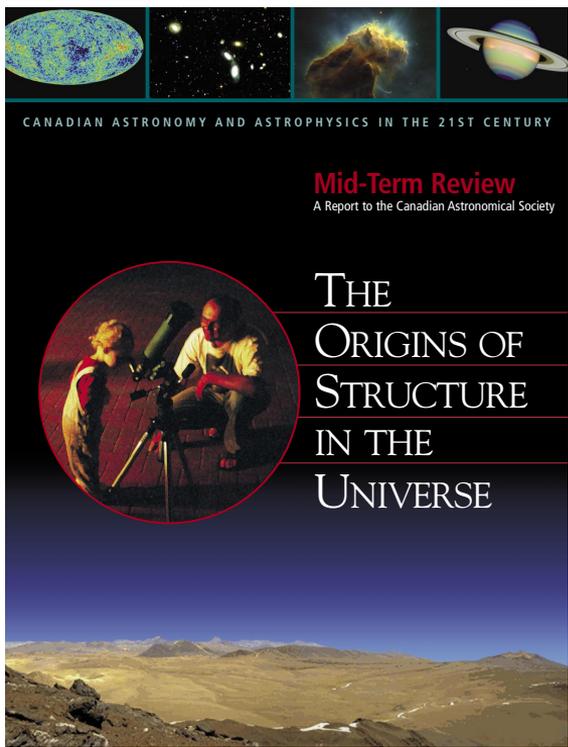
<http://www.asc-csa.gc.ca/eng/about/mandate-sarah-gallagher.asp>



# CSA organization chart



# View of astronomy within Canada & abroad



Recognized as a field of scientific excellence within Canada.

By the measures of citations per researcher,  
***#1 astronomy community worldwide.***<sup>1</sup>

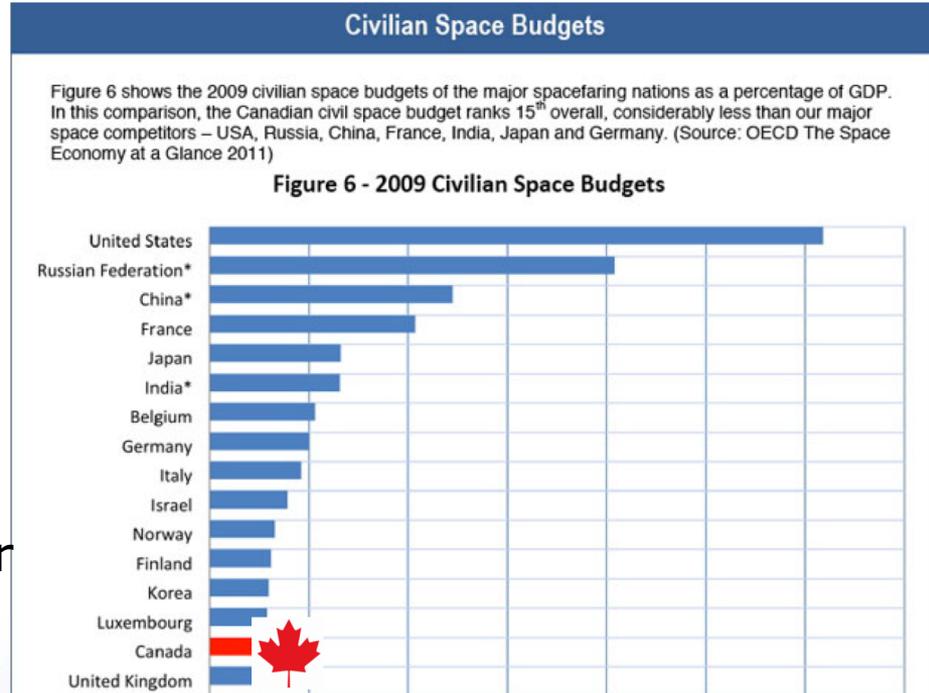
<sup>1</sup>“Competing in a Global Innovation Economy: The Current State of R&D in Canada” (2018), The Council of Canadian Academies, <http://new-report.scienceadvice.ca/>

# Not enough resources to realize our ambitions

“The following chart from the Organisation for Economic Co-operation and Development (OECD), though a few years old, does show civil budgets as percentage of GDP. **Canada’s situation since this chart was released has gotten worse.**”

-M. Boucher

[spaceq.ca](http://spaceq.ca)



# Ipsos polling (Summer 2018)

## Key results:

- **80%** are “proud of our activities in space”
- **78%** “space contributes to our knowledge economy, innovation & economic competitiveness”
- **53%** *“we should spend less in the space sector because we have other priorities”*



**1990:**

Founding of the CSA under the Canadian Space Agency Act.

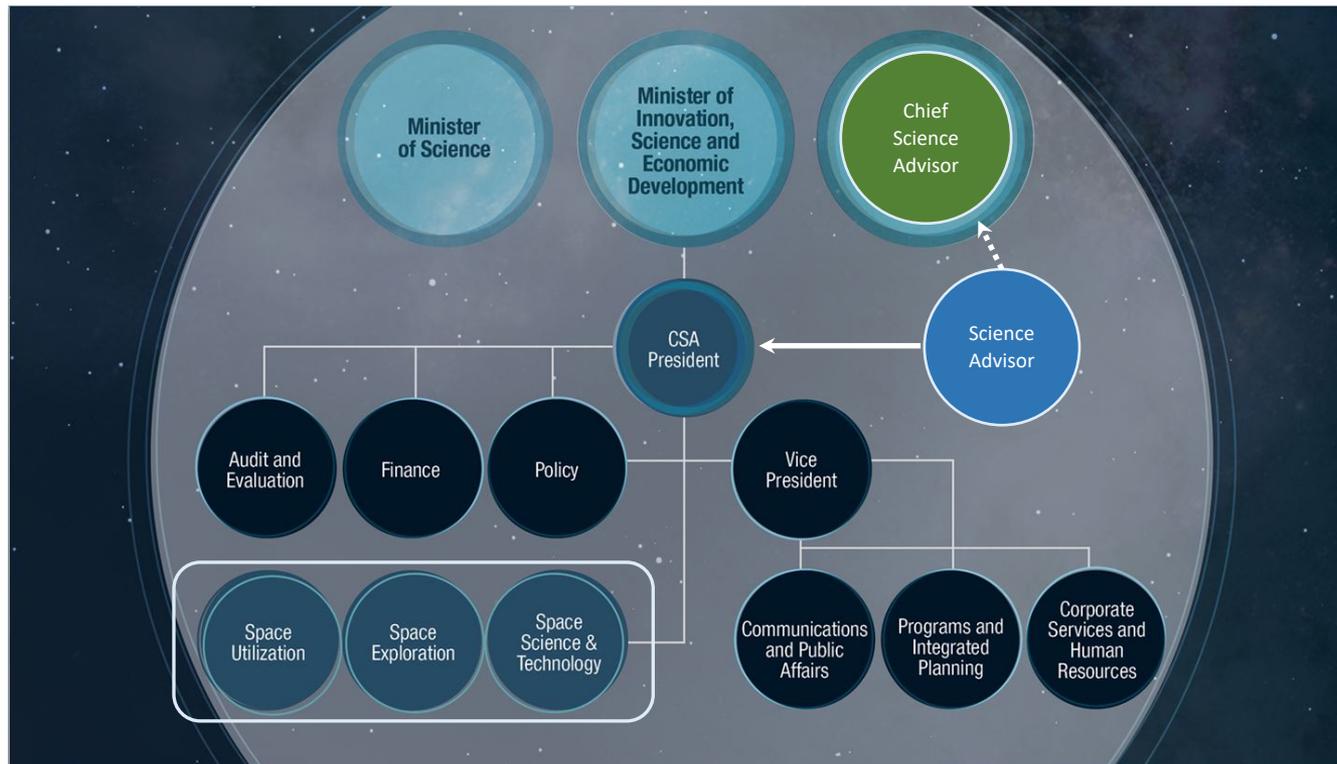
**1999:**

A-base (not project-based) funding

**Mandate:** to promote the peaceful use and development of space, **to advance the knowledge of space through science** and to **ensure that space science and technology provide social and economic benefits for Canadians.**



# CSA organization chart



# Outreach vs. engagement



## Coalition for Canadian Astronomy

Professional society



Industrial partner



Association of Canadian Universities  
for Research in Astronomy

Association canadienne d'universités  
pour la recherche en astronomie

Universities

OPINION

# The universe needs more Canada

MIKE GREENLEY AND JIM QUICK  
SPECIAL TO THE GLOBE AND MAIL  
PUBLISHED 2 DAYS AGO

*Mike Greenley is group president of MDA, a Maxar Company. MDA is recognized as one of Canada's most successful technology ventures, the prime contractor on numerous government of Canada space programs, including the iconic Canadarm.*

*Jim Quick is president and CEO of the Aerospace Industries Association of Canada.*



## DON'T LET GO OF OUR LEGACY

< THE UNIVERSE NEEDS MORE CANADA >

### SPACE ORGANIZATIONS RESPOND TO CALL FOR PRE-BUDGET CONSULTATIONS LIKE NEVER BEFORE

Marc Boucher | September 25, 2018 | News | 0 Comments | 1,342 Views

# Space as a...

astronomy, space physics,  
planetary science

**TARGET**

[www.usgs.gov](http://www.usgs.gov)



communications, GPS,  
weather, fire tracking

**RESOURCE**



instruments for  
atmospheric physics, earth  
observations, space health

**PLATFORM**



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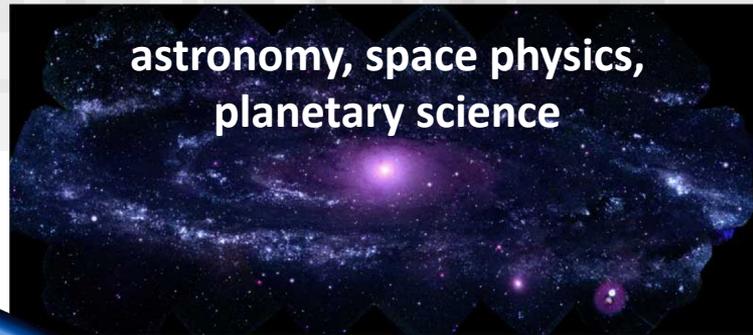
**PLATFORM**

**RISK TOLERANCE**

[www.usgs.gov](http://www.usgs.gov)

communications, GPS,  
weather, fire tracking

**RESOURCE**



# Space as a...

astronomy, space physics,  
planetary science

**TARGET**

instruments for  
atmospheric physics, earth  
observations, space health

**PLATFORM**

**INNOVATION POTENTIAL**

communications, GPS,  
weather, fire tracking

**RESOURCE**

[www.usgs.gov](http://www.usgs.gov)

