



**Canadian Space Agency  
Implementing Canada's Space Policy Framework**

Presented by General (Retired) Walter Natynczyk



Canadian Space  
Agency

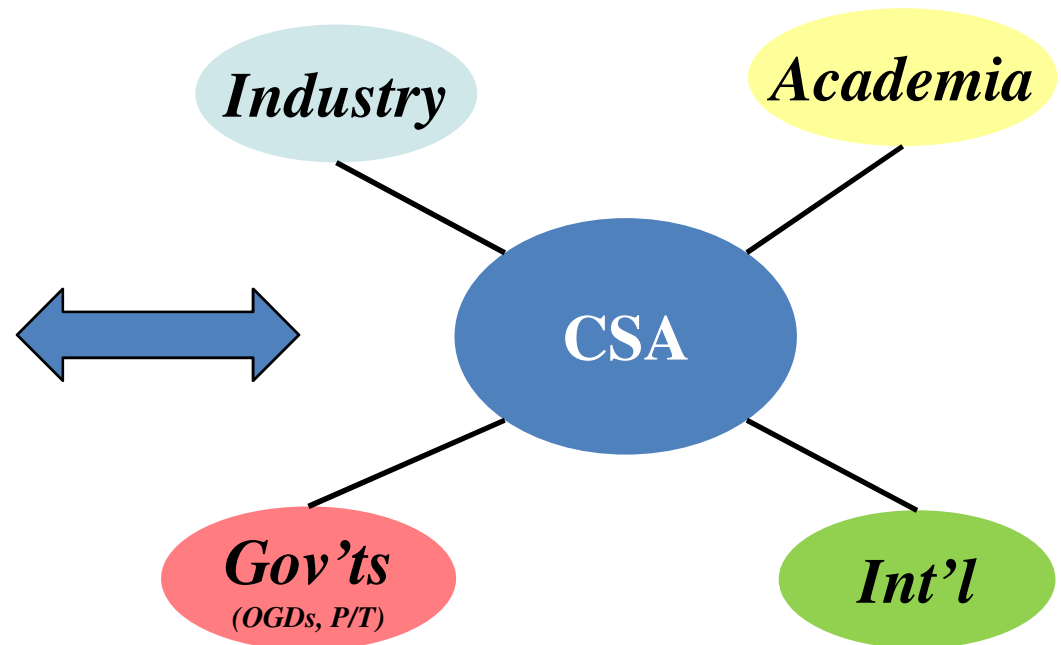
Agence spatiale  
canadienne

Canada

# Translating Policy to Strategy

- The CSA strategy for putting Framework principles to practice will focus on the **Canadian Space Agency as a hub** for Canada's space program, with five key elements driving lines of business and guiding space activities:

- ✓ Whole of Government Approach
- ✓ Identifying and sending innovation into space
- ✓ Space exploration
- ✓ Commercialization
- ✓ Engage young Canadians in S&T





# Whole of Government Approach

- Canada's activities in space will be guided by Canadian interests first and aligned with the Government's priorities of jobs and growth, sovereignty, security and the advancement of knowledge
- **CSA will play an enabling role** where other federal departments are the primary beneficiaries (i.e. *Whole of Government Approach*)
- Primary beneficiaries and stakeholders to share the responsibility to:
  - Sponsor proposals for projects for Cabinet consideration;
  - Define project requirements and monitor progress; and
  - Jointly explore funding proposals for projects (i.e. 'skin in the game')

**Project Example: RADARSAT Constellation Mission**



# Innovation in Space

- Continued investment in innovation, R&D and technology demonstration to identify more powerful space capabilities and new space-based services, systems and applications
- **CSA will play a leadership role** in demonstrating new technologies and encouraging innovation
- When there is operational value, support from OGDs is welcomed (e.g. in-kind/possible investment, Ministerial letters of support)

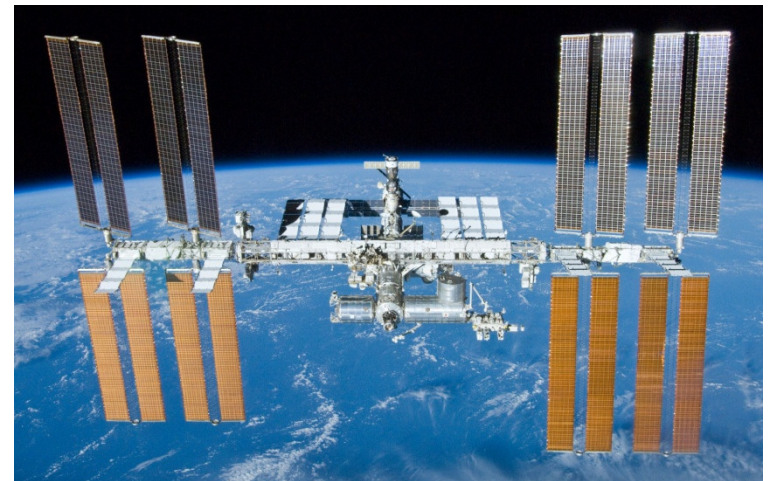


**Project Examples: Microflow, M3MSat**

# Space Exploration

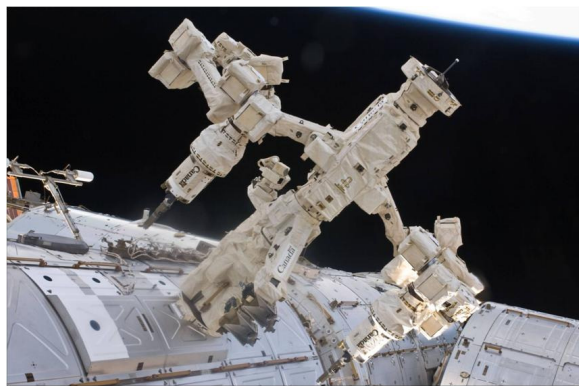
- Canadian space exploration has driven advances in scientific research and enabled the development of leading-edge, world class technologies
- Canada's technological expertise makes us a partner of first choice in international space exploration efforts
- **CSA will continue to lead and finance** Canada's participation as an international partner in space exploration missions, including towards Moon and Mars
  - Stakeholders consulted as required (e.g. in defining science projects)

**Project Examples: James Webb Space Telescope, International Space Station**



# Commercialization of Space

- **CSA will enable** the success of the private sector and increasing commercial applications of space by:
  - Advancing Canada's unique industrial capabilities and providing opportunities to prove these technologies in space;
  - Advancing market access opportunities in line with government trade, foreign policy and national security objectives;
  - Enabling the private sector to provide required products and services where operations are normalized.



Dextre



neuroArm



# Engage young Canadians in S&T

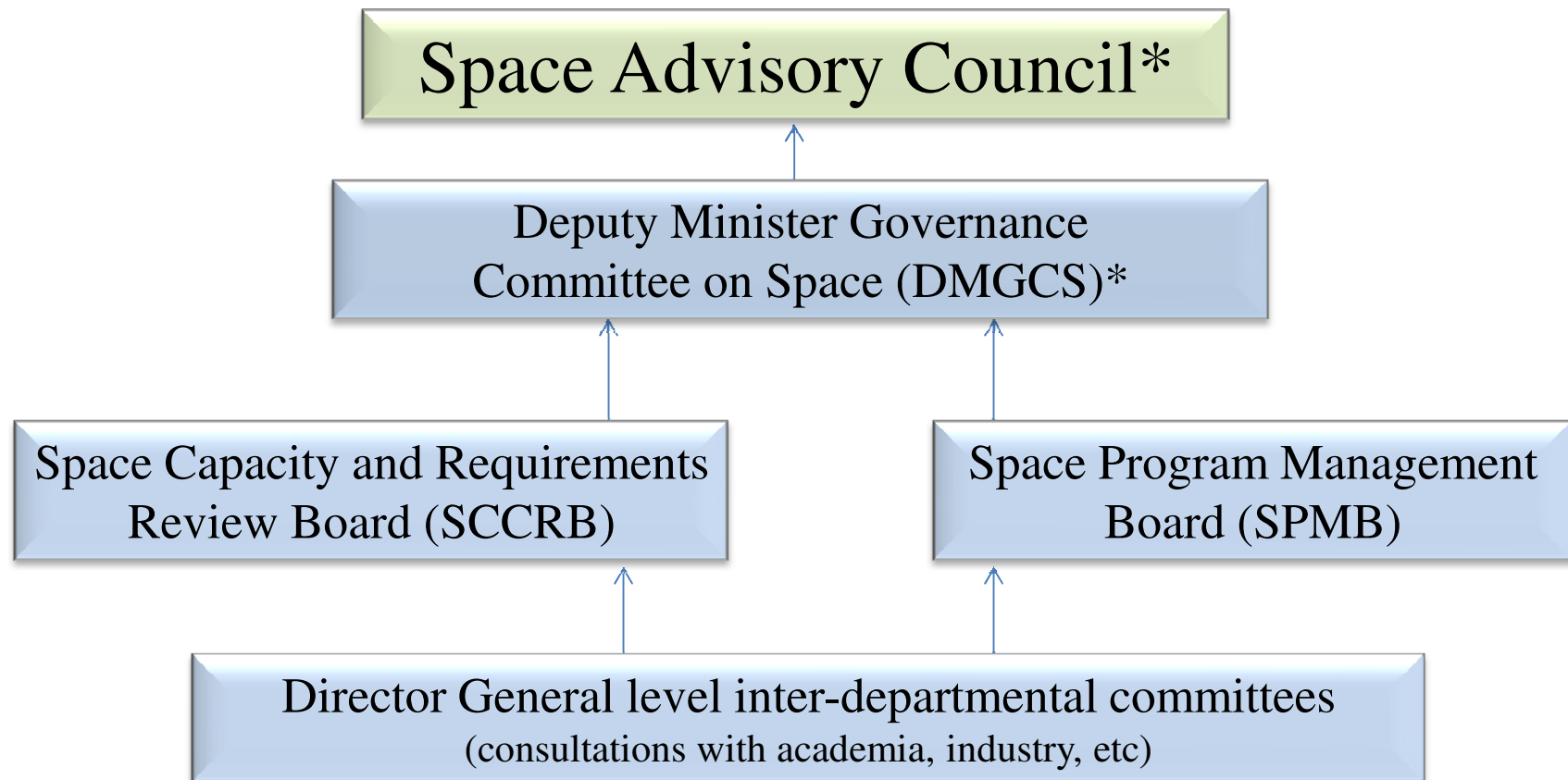
- Space provides significant opportunities for motivating and inspiring Canadians to pursue careers in science, technology, engineering and math
- **CSA will lead** work with industry and universities to actively communicate the importance of space to Canadians, and will encourage collaborative efforts to attract, educate and retain a highly skilled workforce to support an increasingly knowledge-based economy.





# GOVERNANCE AND PROJECT MANAGEMENT

## Governance and Oversight Committees



\* Described in the Emerson Report



Canadian Space Agency  
Agence spatiale canadienne

Canada