



Canadian Space Agency
Agence spatiale
canadienne



CANADA'S SPACE POLICY FRAMEWORK

LAUNCHING THE NEXT GENERATION



Canada

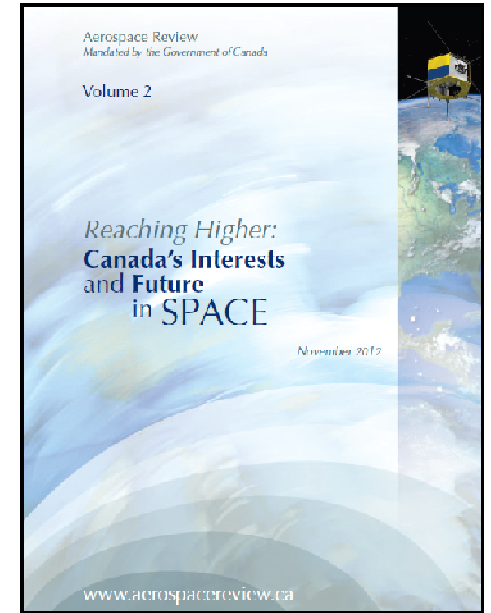
Space Review

Aerospace and Space Review (the Emerson report)

- Recommendations in three key areas: governance, funding and procurement

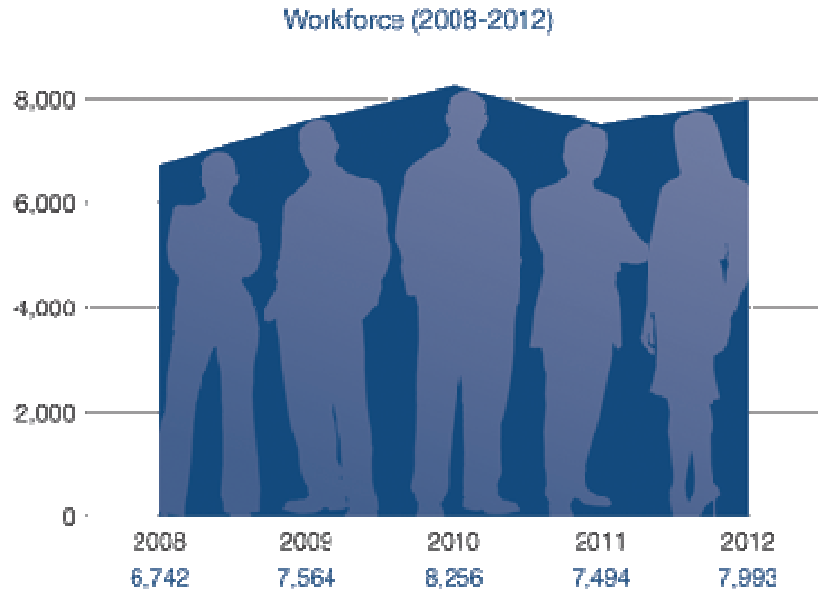
Independent financial review of the CSA

Canada's Space Policy Framework as part of the Government's response



Canada's Space Sector

- Employs about 8000 highly skilled workers
- Generates \$3.33 billion in revenues, almost half from exports (2012)
- Highly concentrated - a few large world-class firms and 200 SMEs
- 1300 researchers in 30 universities across Canada

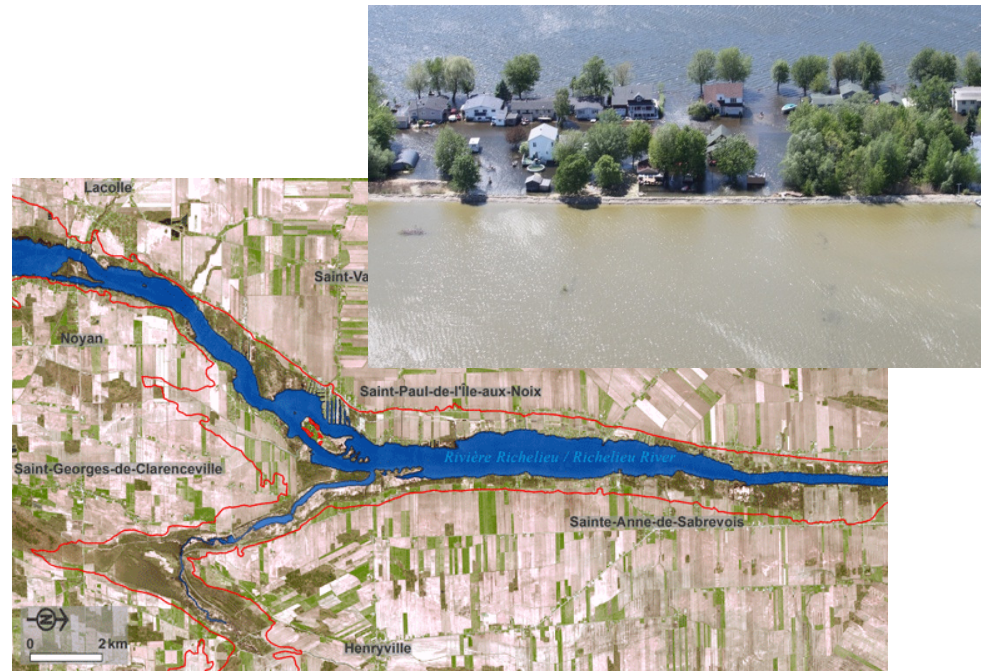
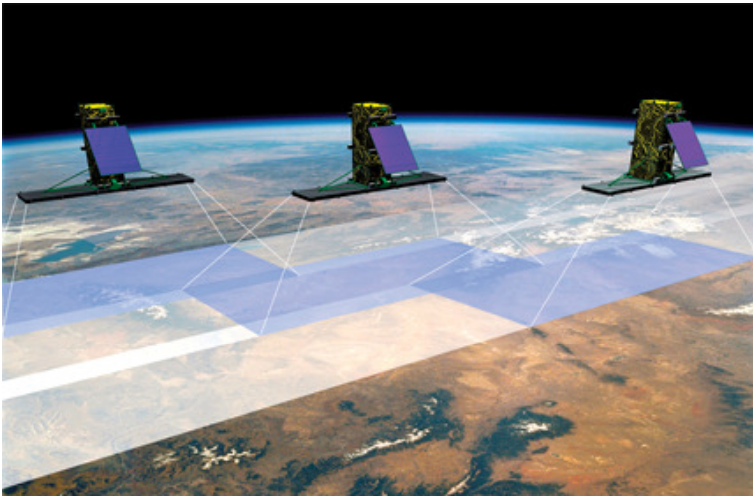


Canada's Space Policy Framework

Principles	<ol style="list-style-type: none">1. Canadian Interests First2. Positioning the Private Sector at the Forefront of Space Activities3. Progress Through Partnerships4. Excellence in Key Capabilities5. Inspiring Canadians		
Areas for Action	Commercialization	Research and Development	Exploration of Space
	Stewardship, Management & Accountability		

CANADIAN INTERESTS FIRST

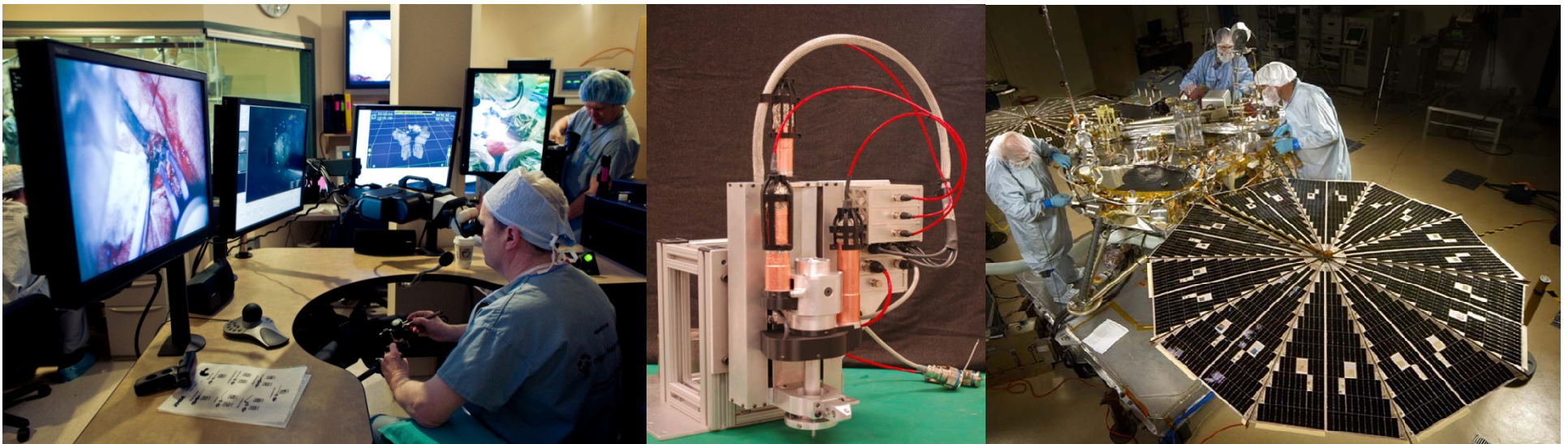
Canada's activities in space will be guided by our enduring national interests of national sovereignty, security and prosperity.



POSITIONING THE PRIVATE SECTOR AT THE FOREFRONT OF SPACE ACTIVITIES

Focus on supporting the Canadian space industry in the innovation required:

- to bring to market cutting-edge technologies that meet national interests;
- strategically utilizing industry where industry has greater capacity, knowledge or skill, or where it can be more efficient and cost-effective; and
- support innovative applications of space

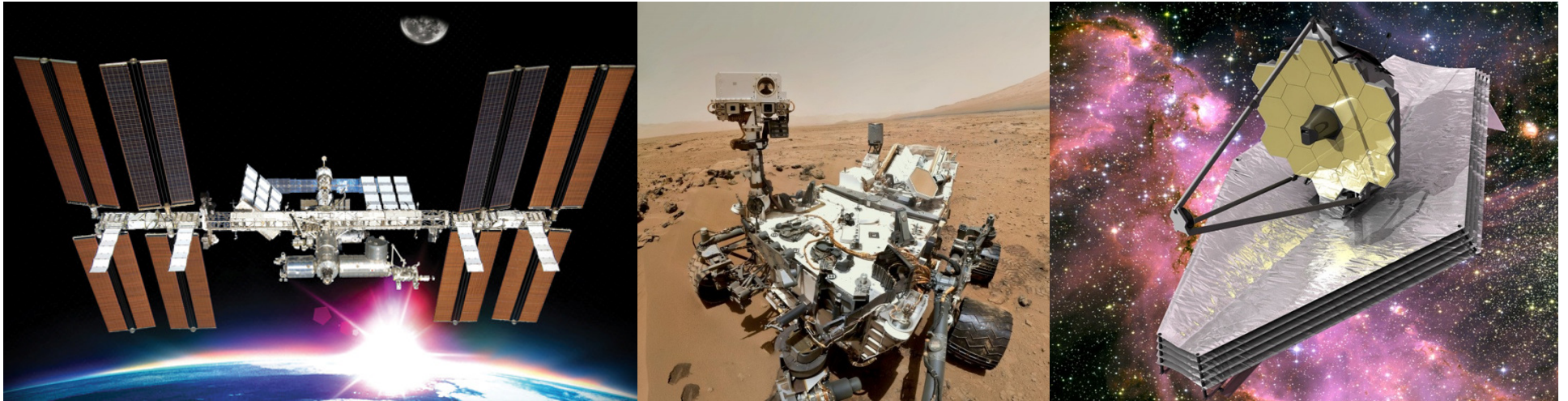


PROGRESS THROUGH PARTNERSHIPS

Look to continue partnerships to share the expenses and rewards of major space initiatives and collaboration with international partners for mutual benefits that would otherwise be unavailable.

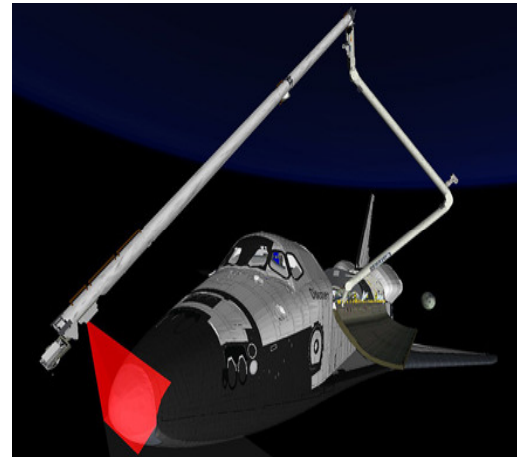
Our traditional partners, the United States and Europe, will continue to be a priority and we will also explore opportunities with emerging space-faring nations, when it is in Canada's national interest.

Effective export control and regulatory measures will continue to protect Canadian technologies and data.



EXCELLENCE IN KEY CAPABILITIES

Continue to pursue a strategy of excellence in key areas of space science and technologies by supporting and advancing proven Canadian competencies in radar remote sensing, optics, robotics and satellite communications, while keeping a close watch on new areas of technological accomplishment.



INSPIRING CANADIANS

An advanced, prosperous nation requires an educated, skilled workforce. Working with industry, universities and colleges, the Government will communicate the importance of space in the effort to recruit, support and retain highly qualified personnel.



Areas of Action



Commercialization



Research and Development



Exploration of Space



*Stewardship, Management
and Accountability*

Commercialization

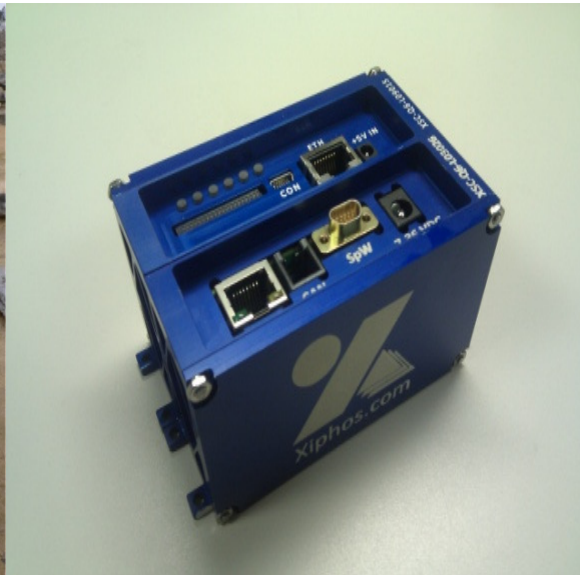
To strengthen and maintain a vibrant space industry in Canada, the Government will:

- Pursue a consistent business model in space activities;
- Use the private sector where appropriate for Government;
- Advance Canada's key capabilities and prove these technologies in space; and
- Advance market access aligned with Canada's foreign policy.

*Electric version of
Bombardier's SL-Commander*



*Spaceflight-ready computer
processor cards by Xiphos
Technologies*



Fuel cell developed by Hydrogenics



Research & Development

To ensure that Canada has the next generation of knowledge and skills, the Government will:

- Increase the Science Technology Demonstration Program to historic levels;
- Coordinate with the granting councils and foundations to ensure that space research resources are leveraged and considered within their support programs; and
- Leverage existing research expertise and programs across government to better support the Canadian space industry.

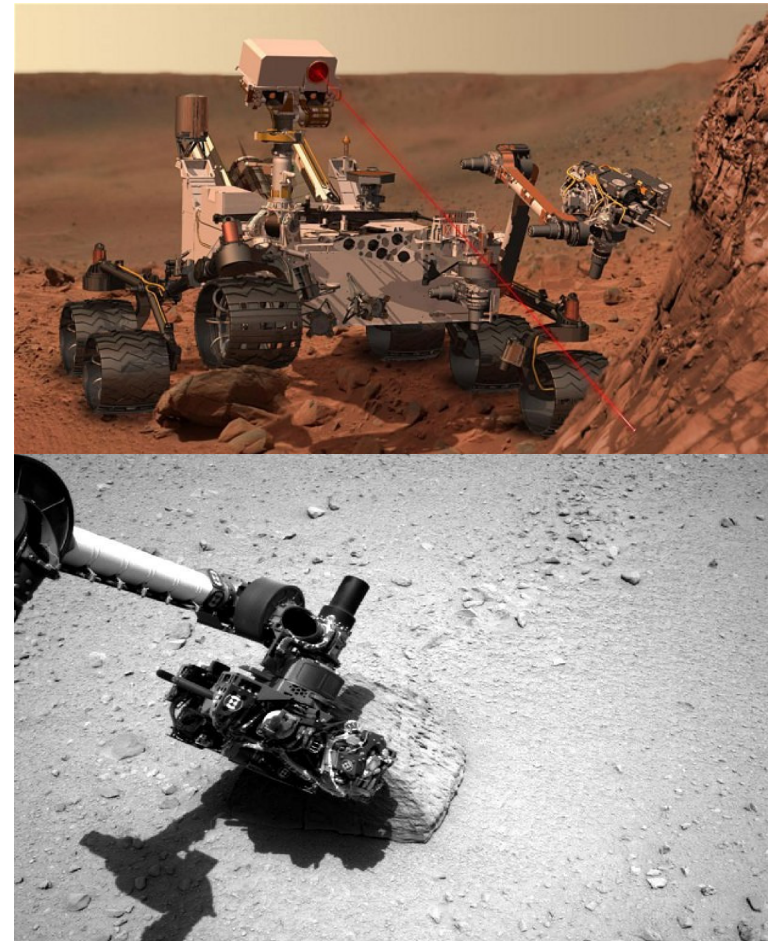


*Microflow test platform by
National Optics Institute*

Exploration of Space

To ensure that Canada continues to play a vital role in space exploration, the Government will:

- Continue as an international partner in space exploration;
- Continue to invest and develop Canadian contributions at levels commensurate with our role in future international programs;
- Provide industry and researchers with the opportunity to expand our understanding of the universe and to prove their technologies in space; and
- Continue the Canadian Astronaut Program.



Canada's Alpha Particle X-Ray on NASA's Mars rover Curiosity

Stewardship, Management & Accountability

To ensure effective consultation, oversight and decision-making on major space activities, the Government will:

- Continue to support international efforts in the responsible use of space;
- Ensure stakeholders have a role in informing present and future priorities;
- Utilize multiple funding sources to advance major space projects;
- Establish a Canadian Space Advisory Council; and
- Deputy Minister Governance Committee for Space to oversee federal space activities and major space projects.



A composite image of space featuring the International Space Station in the upper left, a rocket streaking across the center, the Earth's horizon in the bottom left, the Moon in the center, Mars in the upper right, and a colorful nebula in the bottom right.

Future Trajectory: Implementing the Policy Framework

- Strategy
- Investment Plan
- National Space Conference