



Canadian Space  
Agency

Agence spatiale  
canadienne



# Canadian Space Agency Update

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PPS, NASA HQ, 5<sup>th</sup> August 2010



Canada



# Canadian Space Agency reorganisation

- Realigned on three main strategic directions

Canada's exploration of space, space services and space capacity address the nation's needs for knowledge, innovation and information

Space Data,  
Information  
and Services

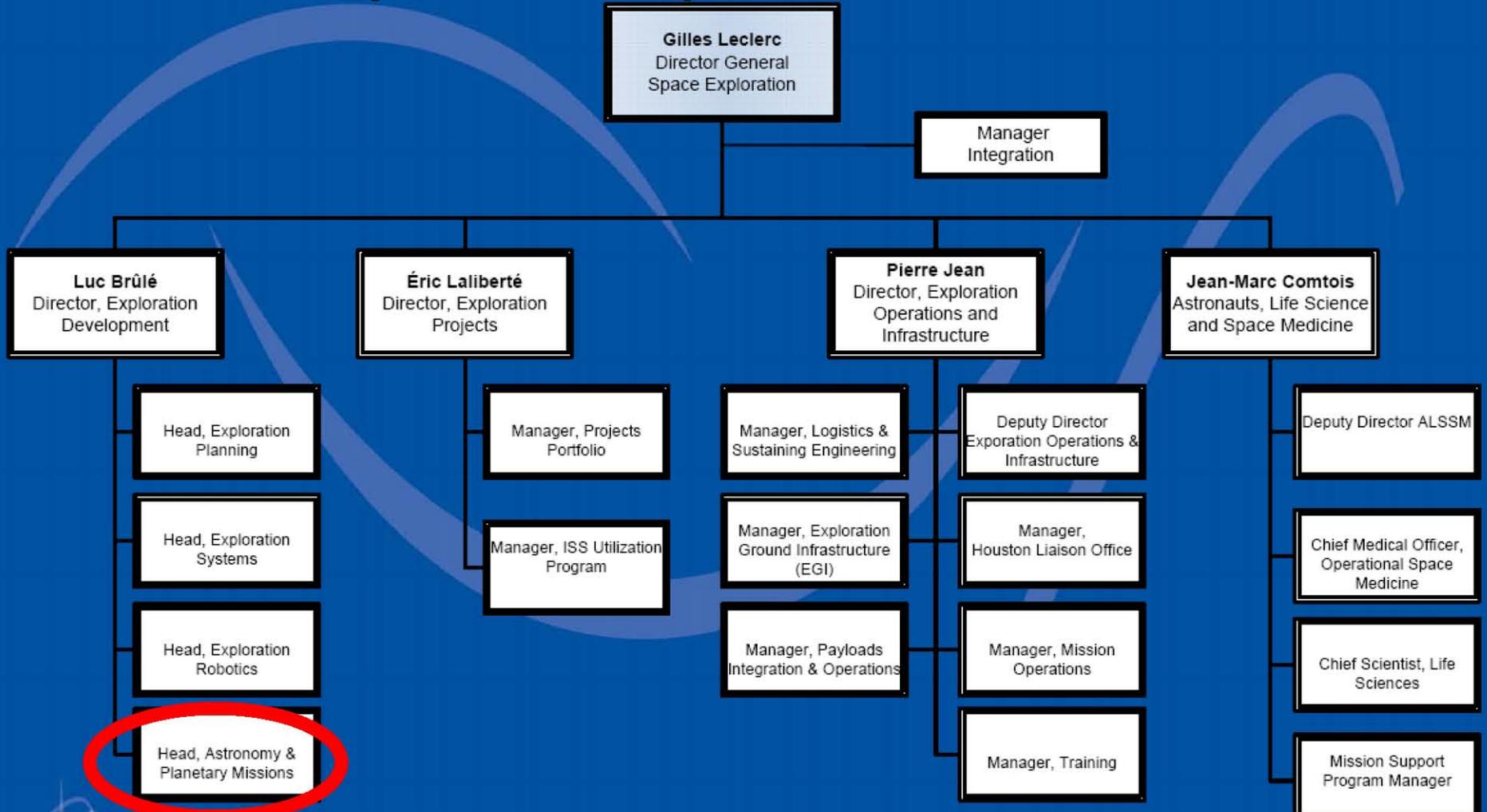
Space  
Exploration

Future  
Canadian  
Space Capacity





# CSA Space Exploration Branch





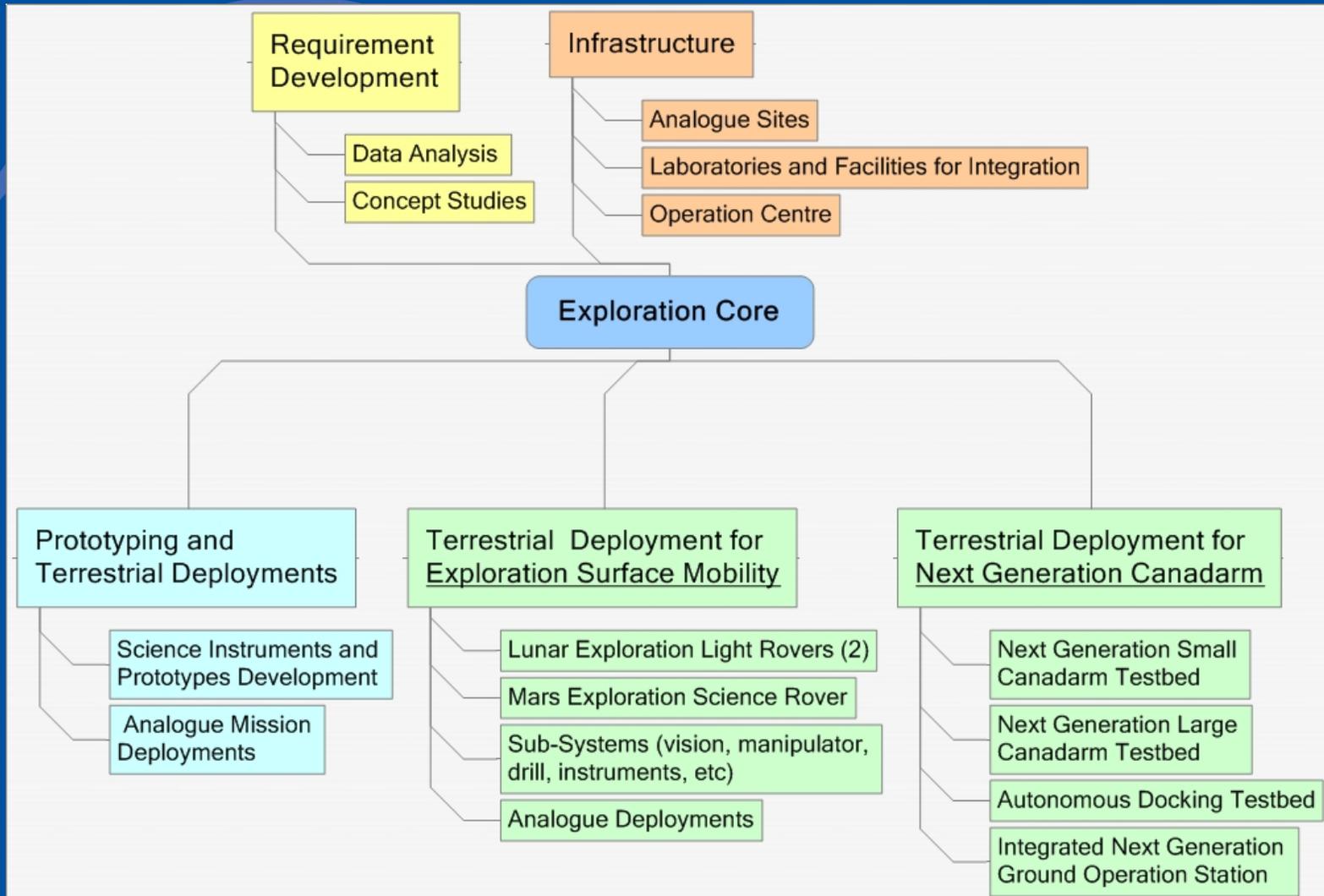
# Space Exploration activities

- Goals:
  - ◆ Mars Sample Return
  - ◆ Continued participation in international Human exploration (through ISECG)
  - ◆ Full utilisation of ISS
  - ◆ Space Astronomy
- Exercise underway to develop an exploration strategic plan
  - ◆ Identify mission priorities for next decade
- Significant investment in technology development – Exploration Core program





# Exploration Core (since 2007)





# Canada's Economic Budget Plan Budget 2009

“Budget 2009 provides the Canadian Space Agency with \$110 million over three years so that it can contribute to the development of terrestrial prototypes for space robotic vehicles, such as the Mars Lander and Lunar Rover, and for the further development of other technologies and space robotics.”





# CSA Planetary Protection & Sample Return Policy Working Group

Sponsor: Head, Planetary & Space Astronomy missions

## Rationale:

- *The Canadian Space Agency adheres to COSPAR policy but has not established explicit Canadian Planetary Protection or Sample Curation Policies.*
- Increase in CSA Exploration activities
- CSA involvement in New Frontiers OSIRIS and Moonrise sample return missions





# CSA Planetary Protection & Sample Return Policy Working Group

## Scope:

- Develop draft Canadian planetary protection and sample curation policies for consideration by CSA Exploration.
- Include definition of roles and responsibilities for:
  - ◆ CSA (eg a CSA Planetary Protection Officer)
  - ◆ Exploration mission teamsAnd use of external advice.
- Make recommendations on process to establish Canadian standards for curation and planetary protection implementation, taking into account existing international standards and activities.





## Anticipated working group membership

- CSA Exploration and Corporate
- Other Govt Departments: Public Health Agency
- External expertise: eg. astromaterials, astrobiology/microbial ecology, space law
- International representatives

## Timeline

Kick-off in fall 2010, draft policy spring 2011

Initial & final meetings, telecons as needed

