



# An SKA Regional Centre in Canada?

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**Herzberg Astronomy and Astrophysics**



# Canadian SKA Pre-construction efforts

- Primarily through Herzberg Astrophysics and Astronomy
- Mid correlator/beamformer
- Single pixel feed digitizers
- Band 2 and band 5 low noise amplifiers
- Science Data Processor Preservation and Delivery subsystems

So what about Regional Centre efforts?

# Canadian SKA Regional Centre Advisory Committee

- Mandate:
  - Identification of scientific use-cases and requirements of particular relevance to the Canadian community for SKA data
  - Define priorities and structure of a Canadian SKA Regional Centre
  - Identify Canadian resources that can be used to constitute a Canadian Regional Centre
  - Evaluation of the roles that Compute Canada, CADC, NRC, CANARIE, universities and other stakeholders can play in a Canadian SKA Regional Centre
  - Review SKAO Data policy decisions that affect the Canadian Community
  - Coordinate with other Regional Centres efforts
- The committee will also guide any forthcoming proposals to establish a Canadian Regional Centre.
- The committee is advisory to the Canadian representative in the SKA Regional Centre Coordination Group and the ACURA Advisory Council on the SKA.

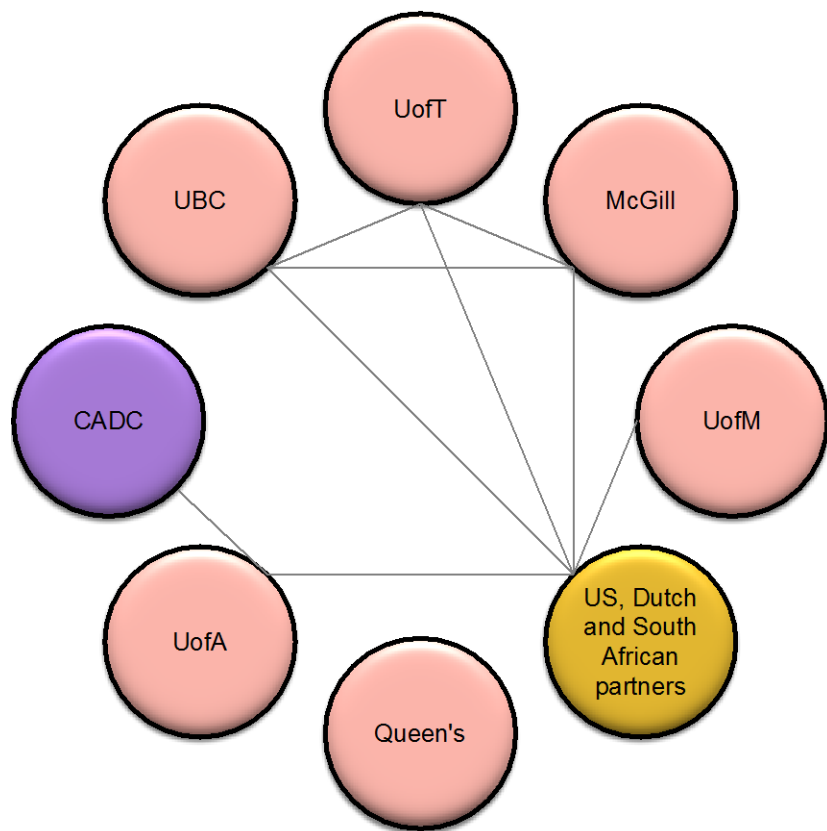
# Canadian SRC strategy

Develop a pre-cursor centre with new collections

## *Unlocking the Radio Sky with Next-Generation Survey Astronomy*

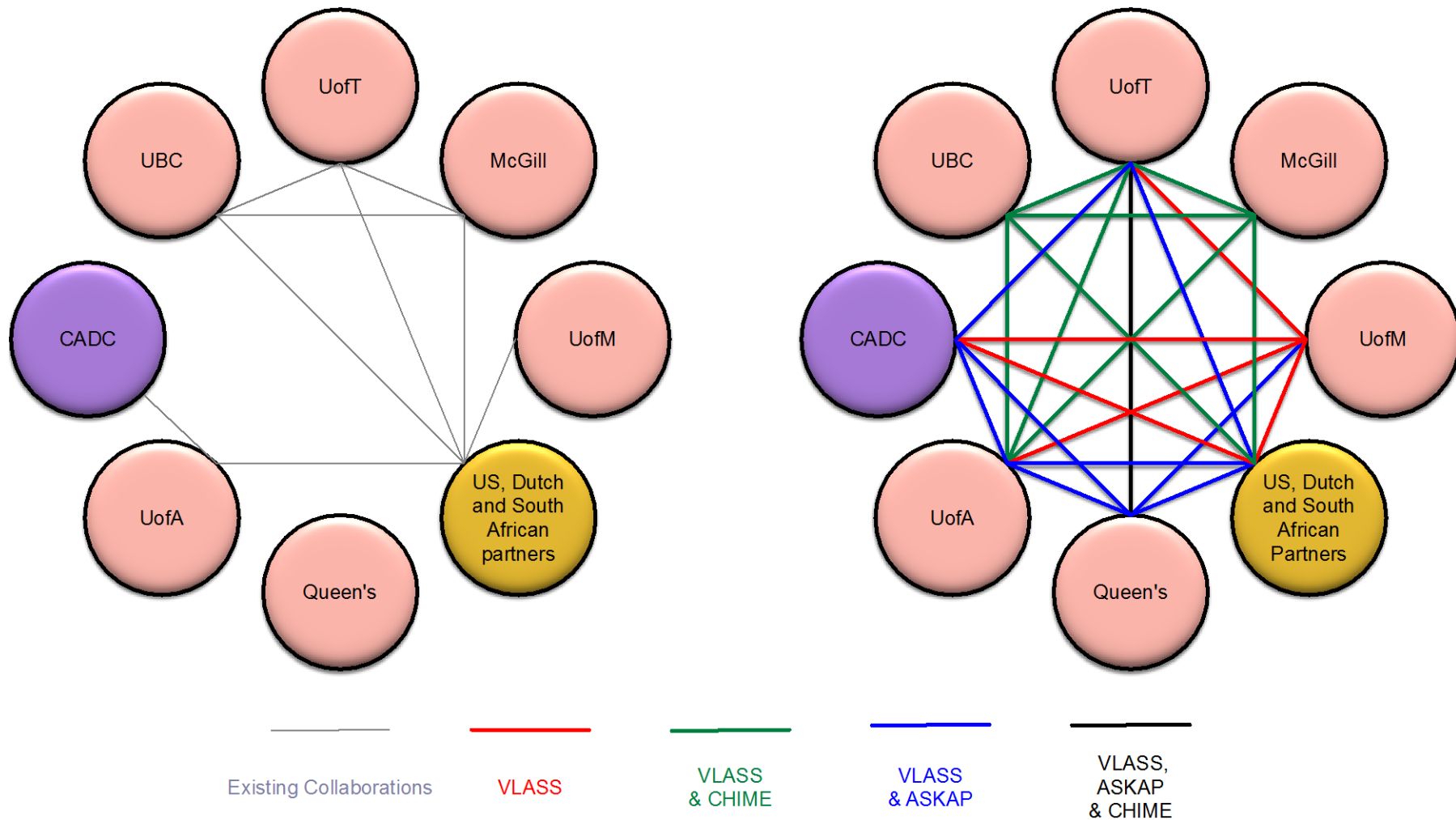
- \$9.4M funding proposal to the Canadian Foundation for Innovation
- The goal: developing the tools and infrastructure needed to support a Canadian SKA Data Centre
- Multi-institutional with international collaborators.
- Leverage major new surveys with the VLA, CHIME and ASKAP to build community and experience with large collections
- Leverage existing infrastructure to support new workflows

# Building community



Existing Collaborations

# Building community



# Leveraging existing resources

Canadian SKA Regional Centre Advisory Committee  
Canadian Astronomy Data Centre  
Canadian Advanced Network for Astronomy Research  
Compute Canada  
CANARIE  
Other regional centre efforts





**Thank you**

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