



**Affaires autochtones et
Développement du Nord Canada**

**Aboriginal Affairs and
Northern Development Canada**

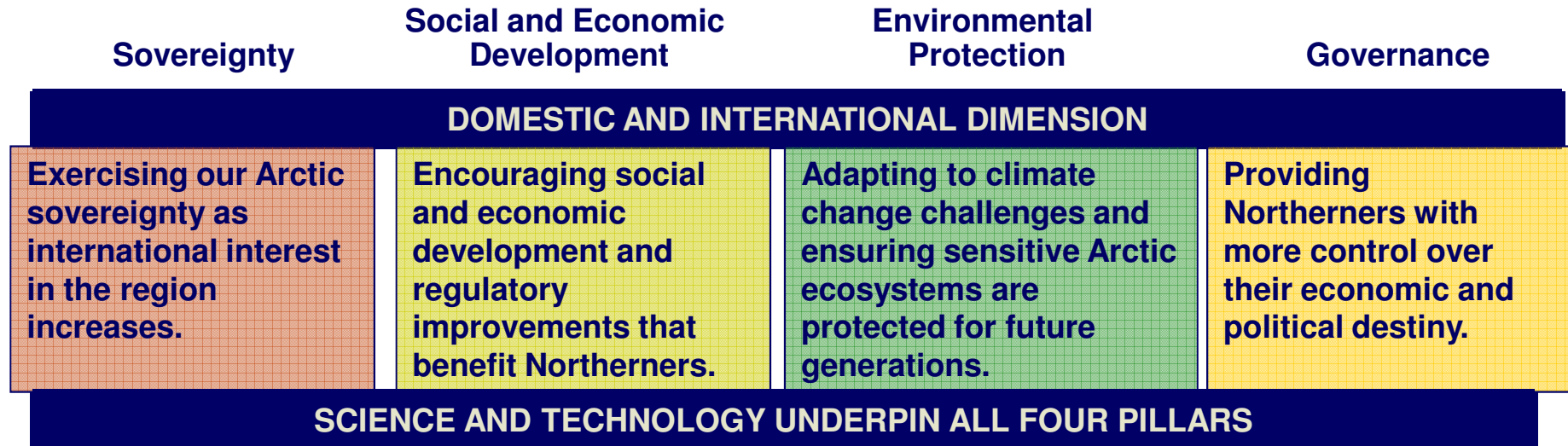


The Canadian High Arctic Research Station

**Forum of Arctic Research Operators
Annual Meeting, April 2012
Montréal, Québec**



Canada's Northern Strategy



“Our Government will build a world-class arctic research station that will be on the cutting edge of arctic issues...this station will be built by Canadians, in Canada's Arctic, and it will be there to serve the world.”



The niche for CHARS

- Signature facility in Canada's North
- Year-round S&T activity directed at national priorities
- Leveraging partners, collaborators, and international scientists to address Canadian priorities
- Building Northern leadership through training, capacity building, and employment
- Growing the economy of the future in the North while engaging Northerners in its realization



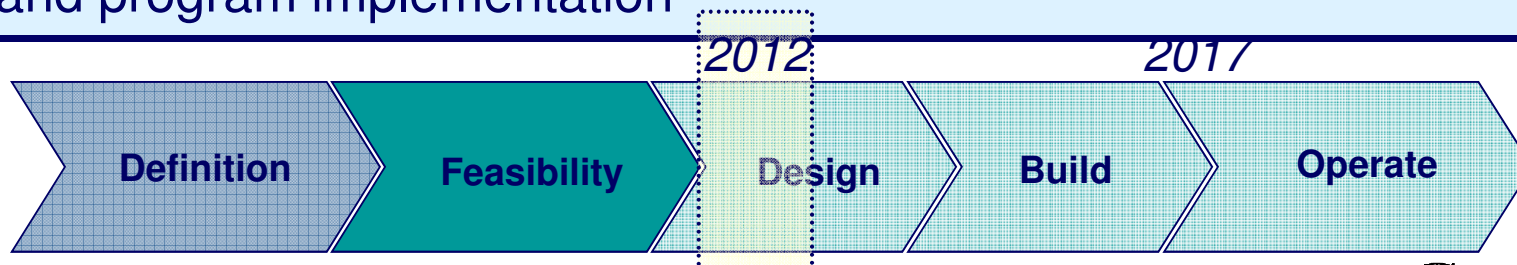
MANDATE

To be a world-class research station in Canada's Arctic that is on the cutting edge of Arctic issues. The Station will anchor a strong research presence in Canada's Arctic that serves Canada and the world. It will advance Canada's knowledge of the Arctic in order to improve economic opportunities, environmental stewardship, and the quality of life of Northerners and all Canadians.



Major milestones

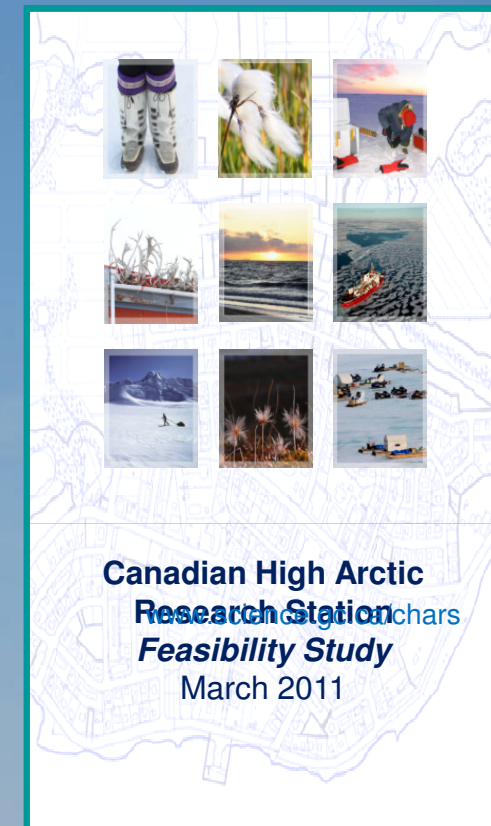
DEFINITION PHASE	• May 2008 – Multi-stakeholder Canadian Visioning Workshop • 2008 – Benchmarking of polar stations • 2008 – International Expert Panel convened by Council of Canadian Academies
FEASIBILITY PHASE	• Budget 2009 – ARIF: \$85M, Feasibility Study: \$2M • August 2010 – Cambridge Bay location announced by Prime Minister • December 2010 – Minister announced mandate • March 2011 – 20 ARIF projects delivered at more than 40 sites • September 2011 – Feasibility Study released on Science.gc.ca
DESIGN PHASE	• Budget 2010 – CHARS Design phase: \$18M over 4 years • June 2011 and March 2012 – CHARS Advisory Panel meetings • September 2011 to November 2011 – RFP for design firm tender • Next steps – Design, Construction manager tender, site selection and program implementation





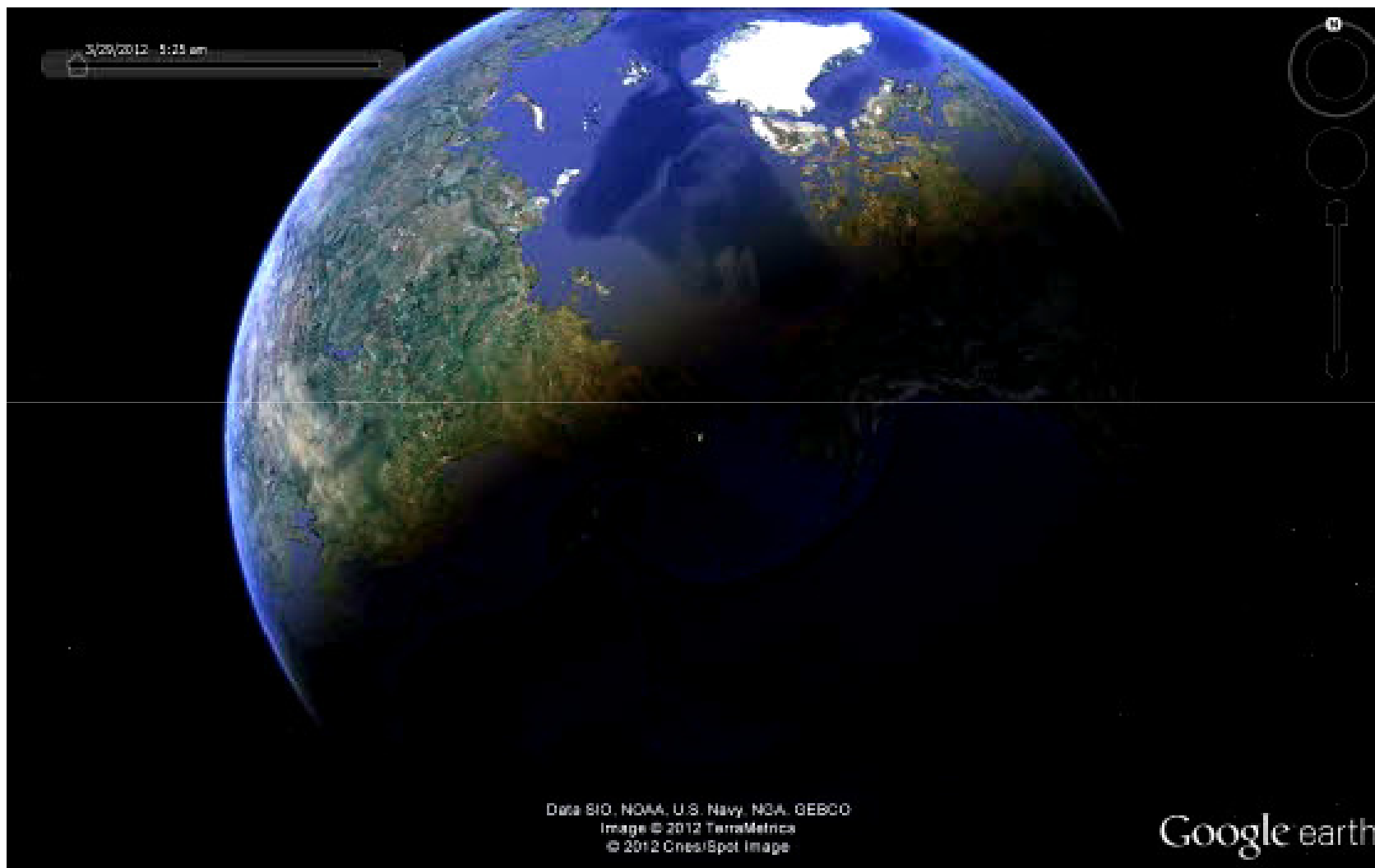
CHARS mandate: components

1. **World-class facility** that is a hub for Canadian and international Arctic S&T
2. **Cutting-edge science and technology** (S&T) that delivers excellence and relevance
3. **Strong research presence** across Canada's vast and diverse North



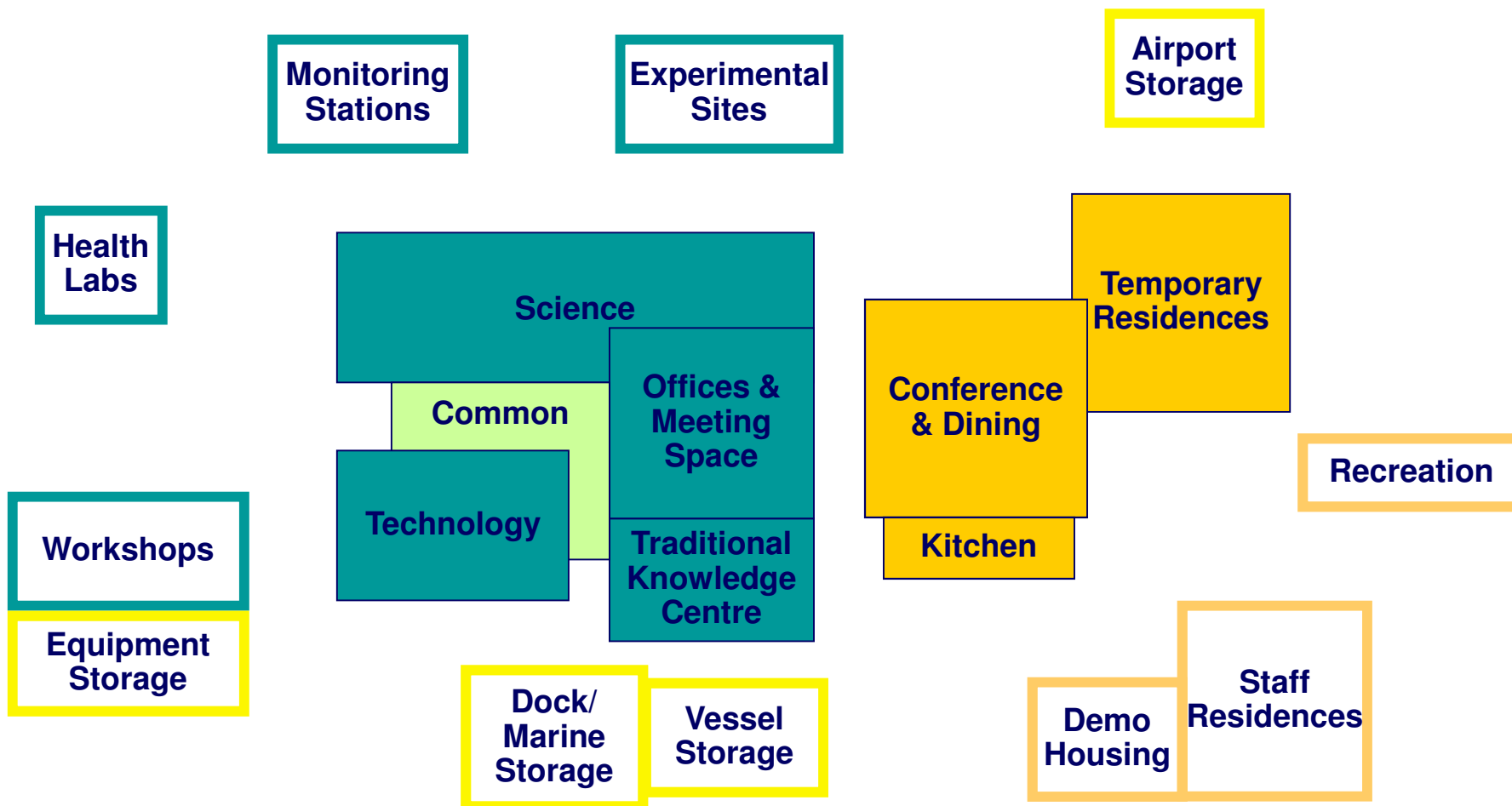


1. World-class facility: Cambridge Bay, Nunavut





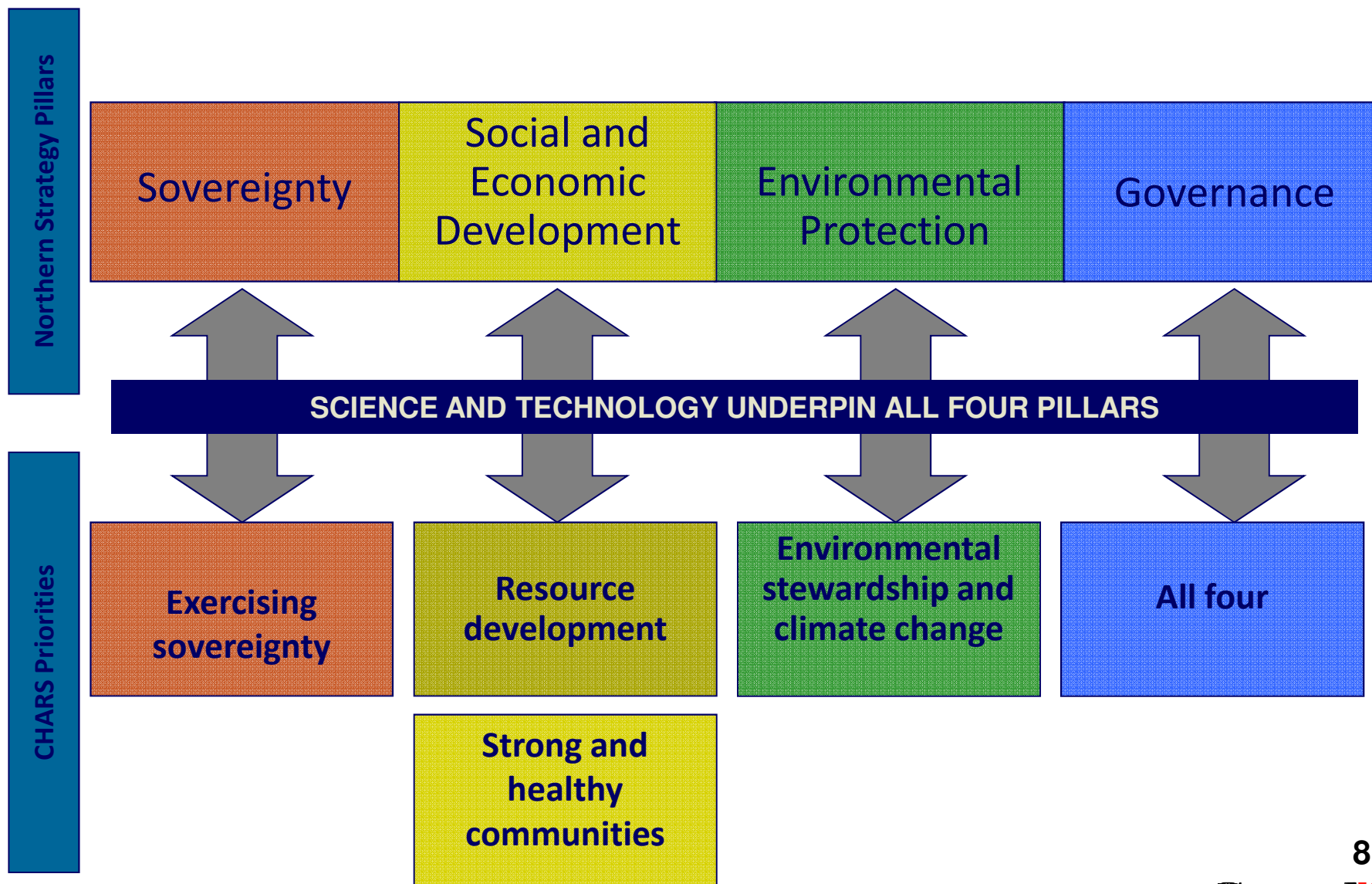
1. World-class facility: Infrastructure components



Note: Components not to scale



2. Cutting-edge S&T: Delivering on the Northern Strategy





2. Cutting-edge S&T: Delivering on mandate

The CHARS S&T Program will...	CHARS will link between local and regional and national and international
➤ Focus on priorities identified in the <i>Blueprint</i> ➤ Be networked nationally and internationally ➤ Have a significant research presence in Cambridge Bay • In-house S&T: Addressing local and regional issues • Monitoring: Brokering standards and running experimental and reference sites • Logistics: Ensuring researchers get into the field	Knowledge application - Brokering and ensuring S&T is useful and used - Fostering synergies across sectors Capacity building - Development of Northern research capacity Education and outreach - Building the next generation



3. Strong research presence

- In 2009, through the Arctic Research Infrastructure Fund, the Government of Canada invested \$85M over 2 years in 20 projects at more than 40 sites to upgrade Canada's Arctic S&T network
- CHARS will anchor this strong research presence across Canada's Arctic, and play a leadership role in international networks



Nunavut Research
Institute in Iqaluit



Polar Continental Shelf Program
in Resolute



Yukon College in Whitehorse



Western Arctic Research
Centre in Inuvik



Government of Nunavut Vessel



LEED® Gold level

Churchill
Northern Studies
Centre



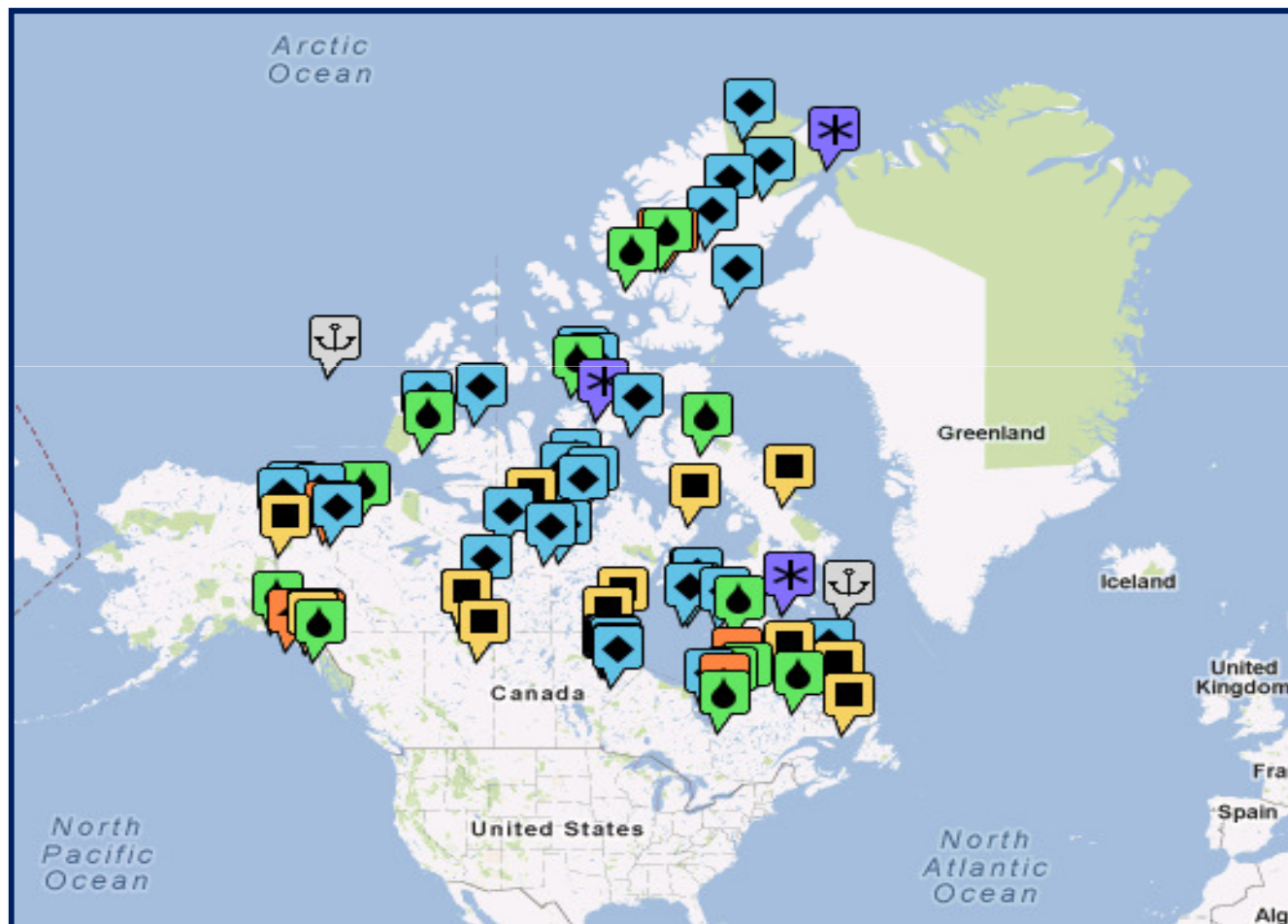
prix
d'excellence
ceco bois

Centre d'études Nordiques
Whapmagoostui-Kuujuarapik



3. Strong research presence:

Canadian Network of Northern Research Operators



Jointly
supported by
CPC and
AANDC



Canadian Polar Commission
Commission canadienne des affaires polaires



Contact us

If you have comments or feedback on the
Canadian High Arctic Research Station
please contact Georgina Lloyd,
A/Director, Arctic Science Policy Integration at
Georgina.Lloyd@aadnc-aandc.gc.ca

To view the CHARS Feasibility Study,
or for more information about CHARS,
please go to **science.gc.ca**



Canadian High Arctic Research Station (CHARS) Infrastructure Workshop

What should we build so that you will come?

Open meeting (first come, first served)

Tues. April 24, 13:00 - 16:00

Room 511F

Palais des congrès de Montréal (5th floor)

Maximum participants: 50