

HIS 262S: #23

Canada in the Digital Age



Professor Heidi Bohaker

Nation-States and Trans-Border Data Flows

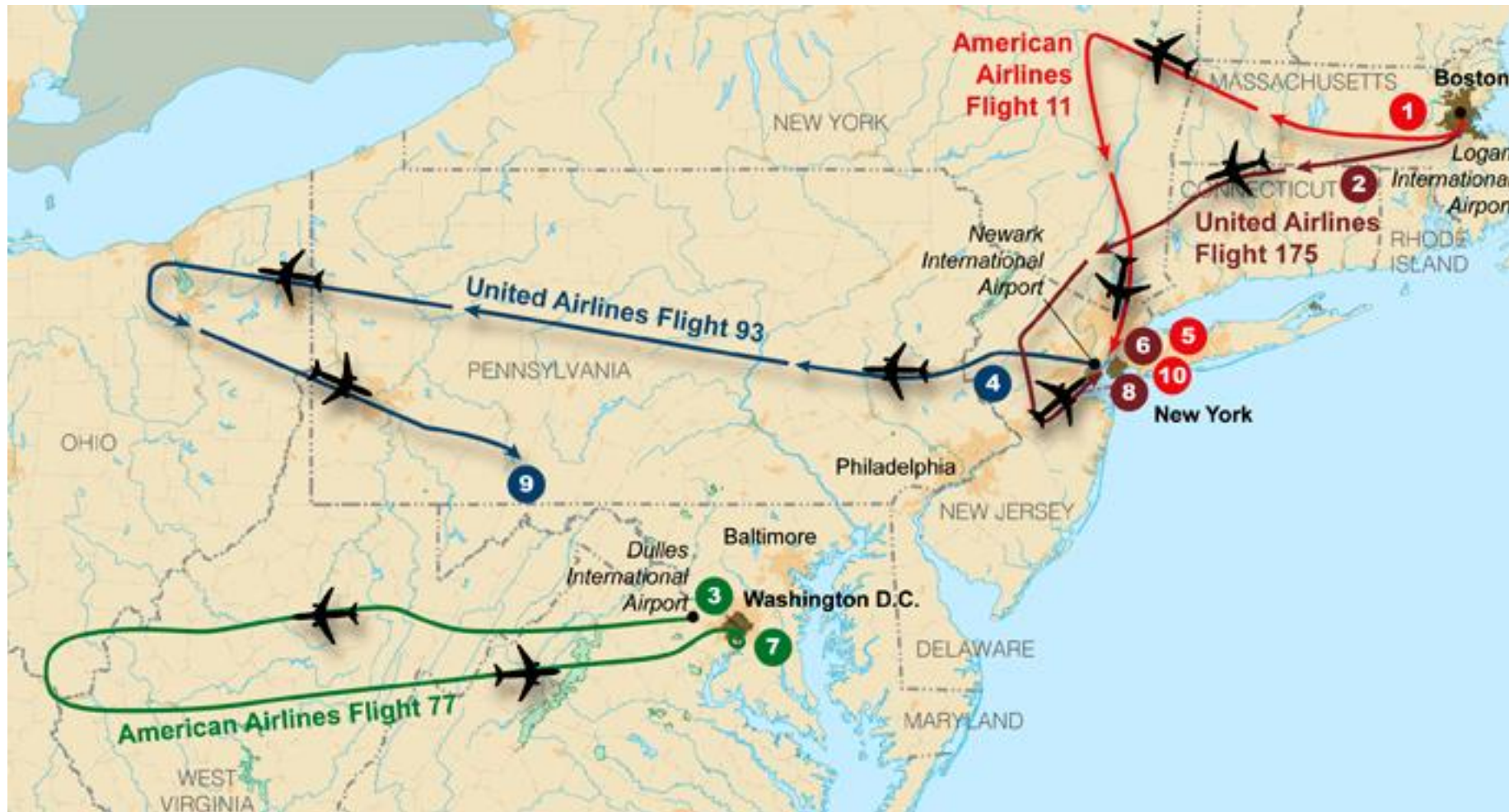
Internet Map
Connection Density



ChrisHarrison.net



Where were you on 9/11?

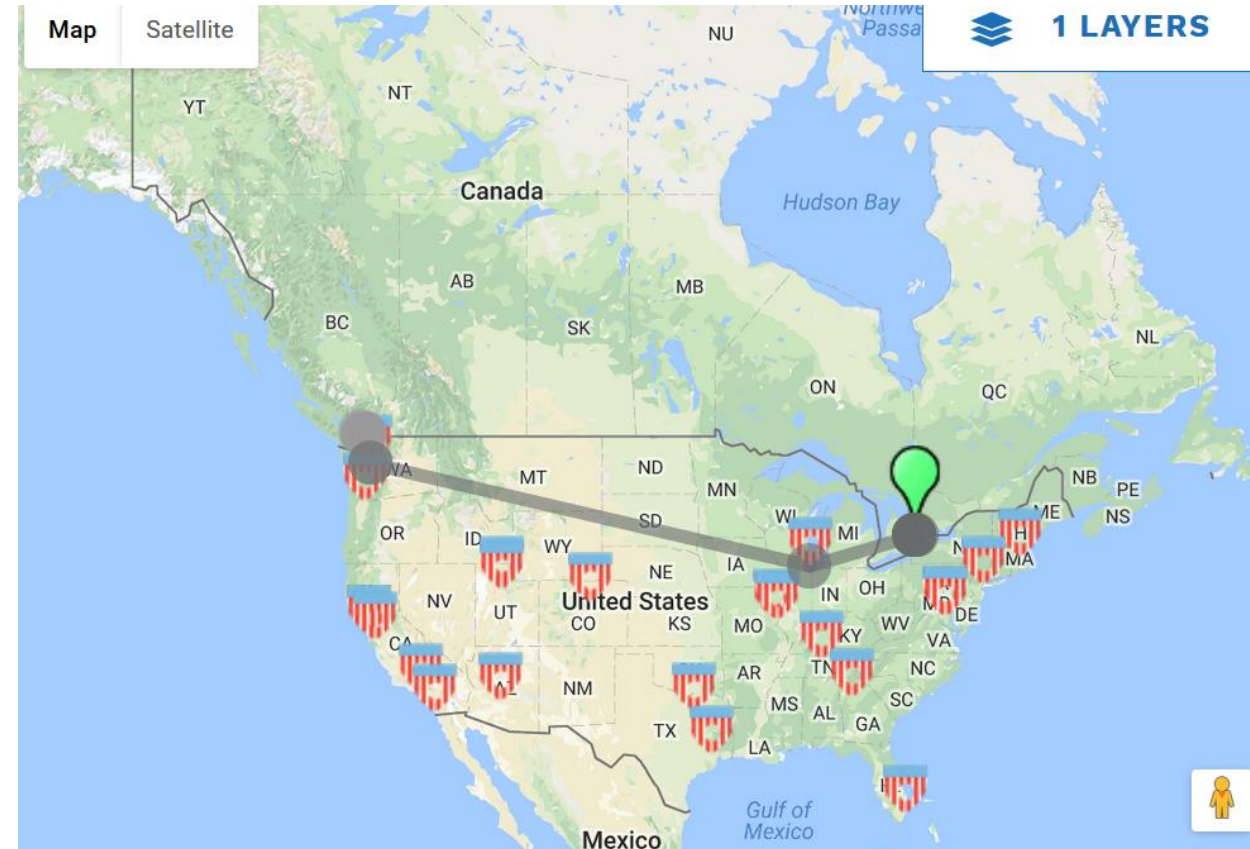
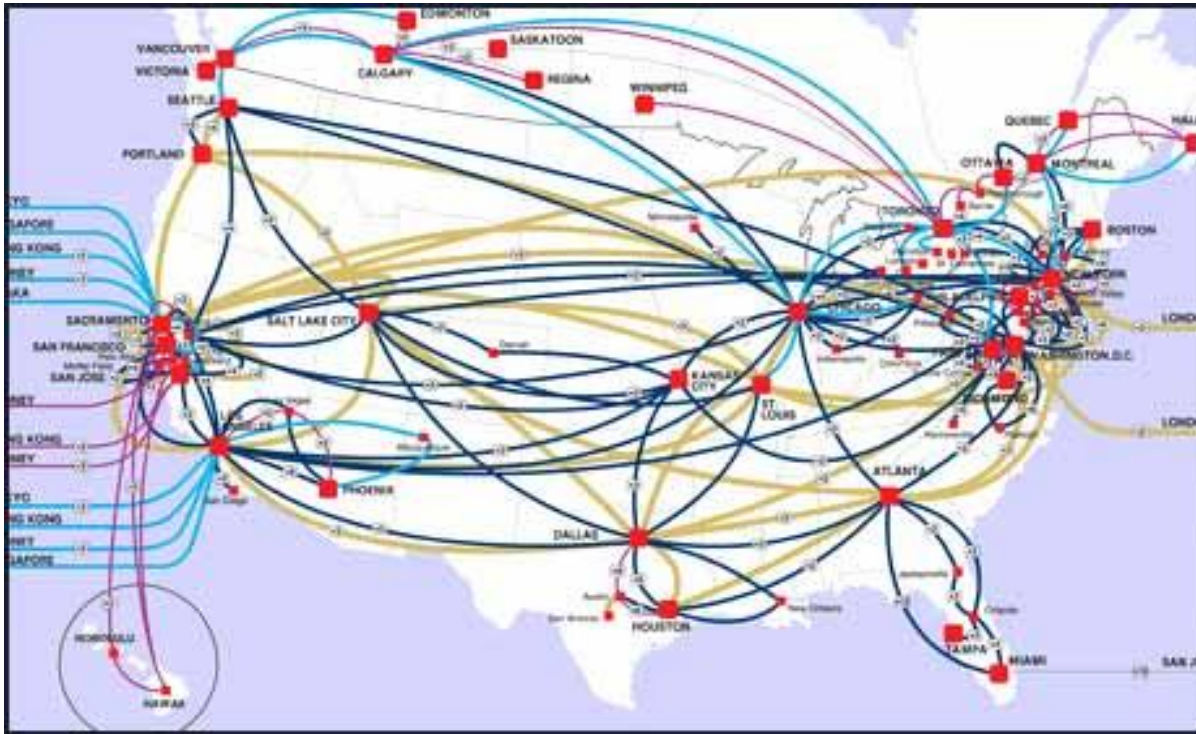


British North America Act, 1867: Division of Power

<u>Federal (Section 91)</u>	<u>Provincial (Section 92)</u>
Defense	education (crown) public lands
trade and commerce (including customs)	municipal institutions
direct and indirect taxation	direct taxation
currency	tavern and other licenses
navigation and shipping	local public works
“Indian” Affairs	solemnization of marriage
bankruptcy	property and civil rights
make laws for “peace order and good government”	“Generally all matters of a merely local or private Nature in the province”



The Cloud, Constitutional Questions and Matters of Law



<https://www.ixmaps.ca/>

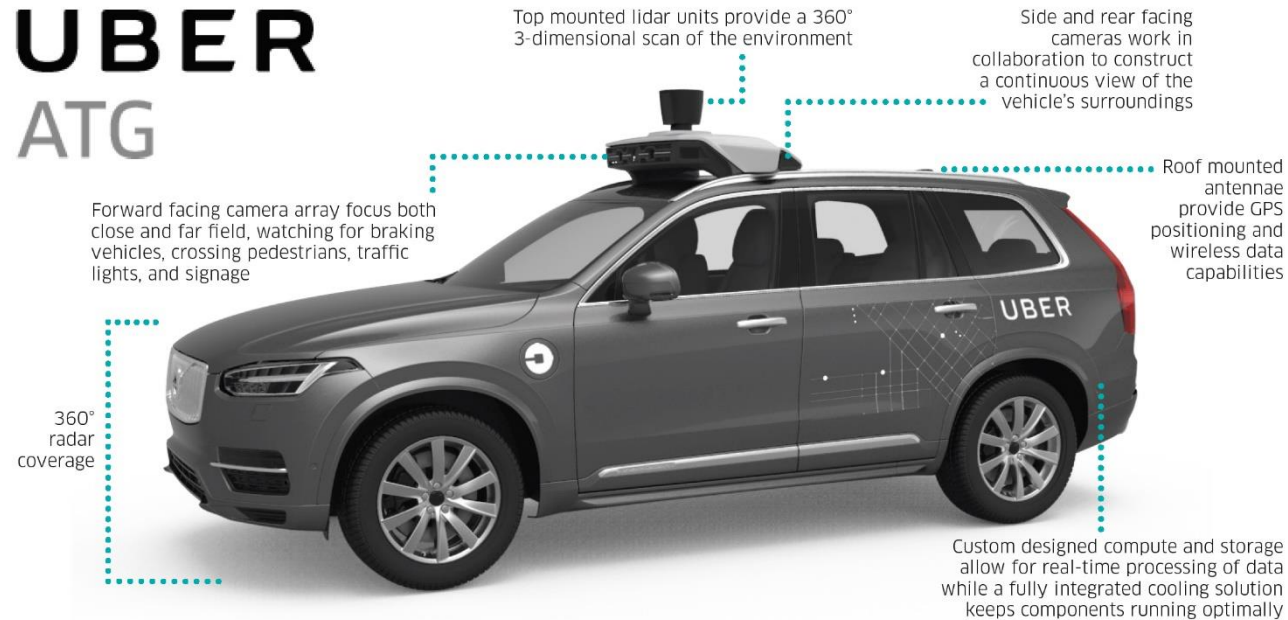
Implications for Defense Policy

- ▶ Cyberspace – the fifth area.
- ▶ Land
- ▶ Sea
- ▶ Air
- ▶ Space
- ▶ And now “cyber war”



Impact of the Digital Age on the Economy

UBER ATG



Self Driving Uber sensor suite

7 Cameras
1 Laser
Inertial Measurement Units

Custom compute and data storage
360° radar coverage

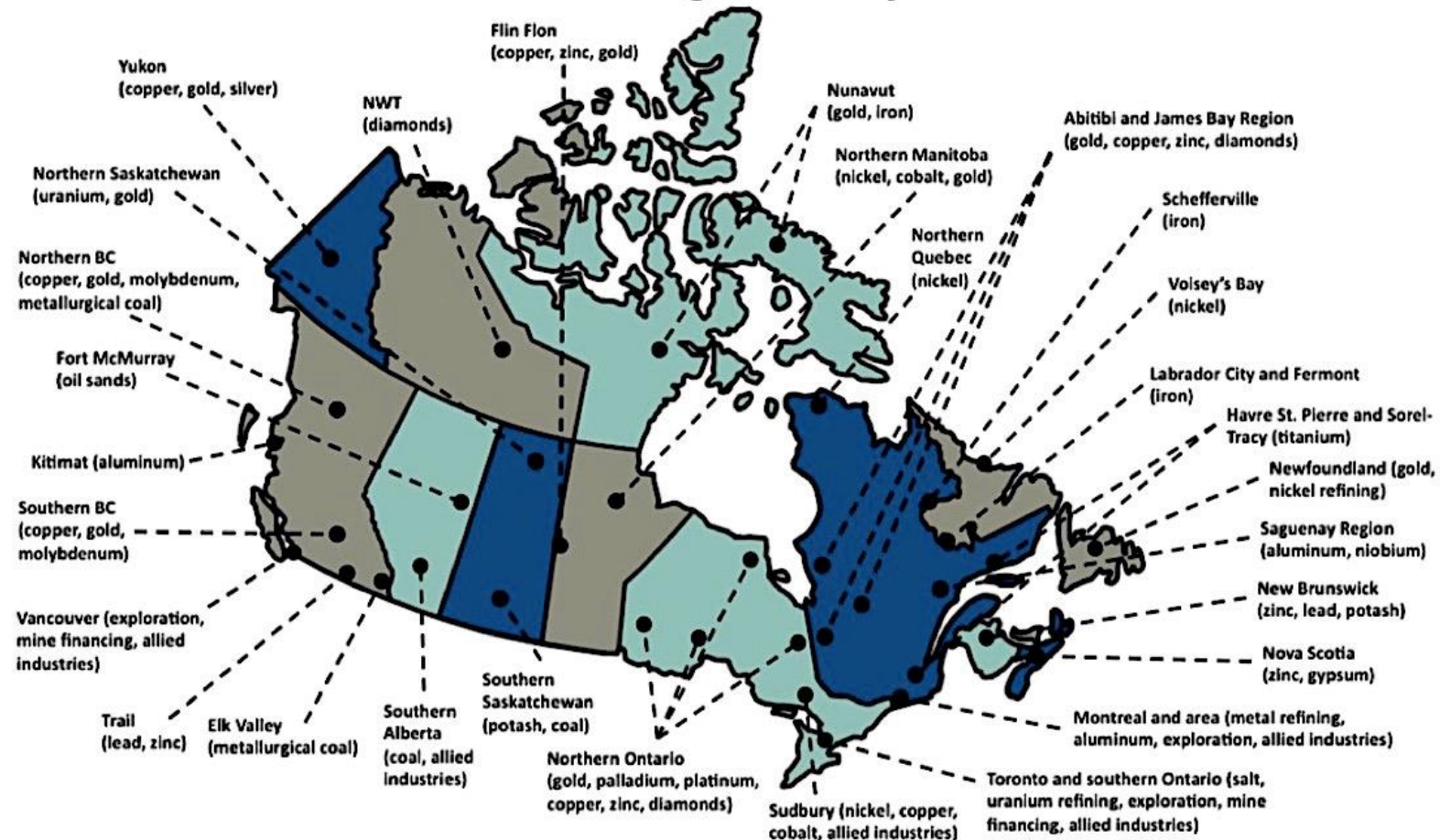
Advanced
Technologies
Group

UBER

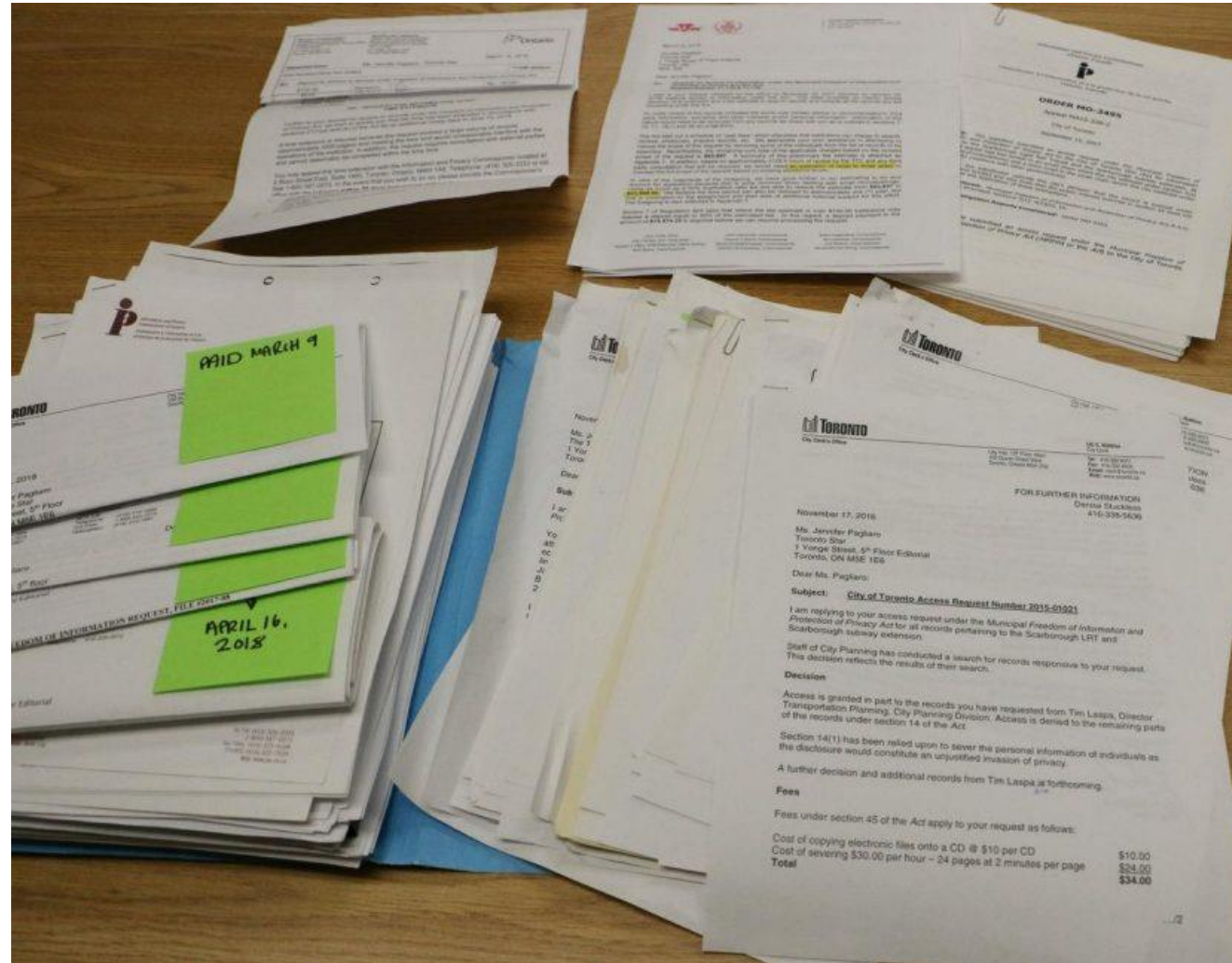


Canada's Resource Economy in the 21st century

Canadian mining industry clusters



Access to Information and Data Governance



Essay topics as guides to contemporary questions

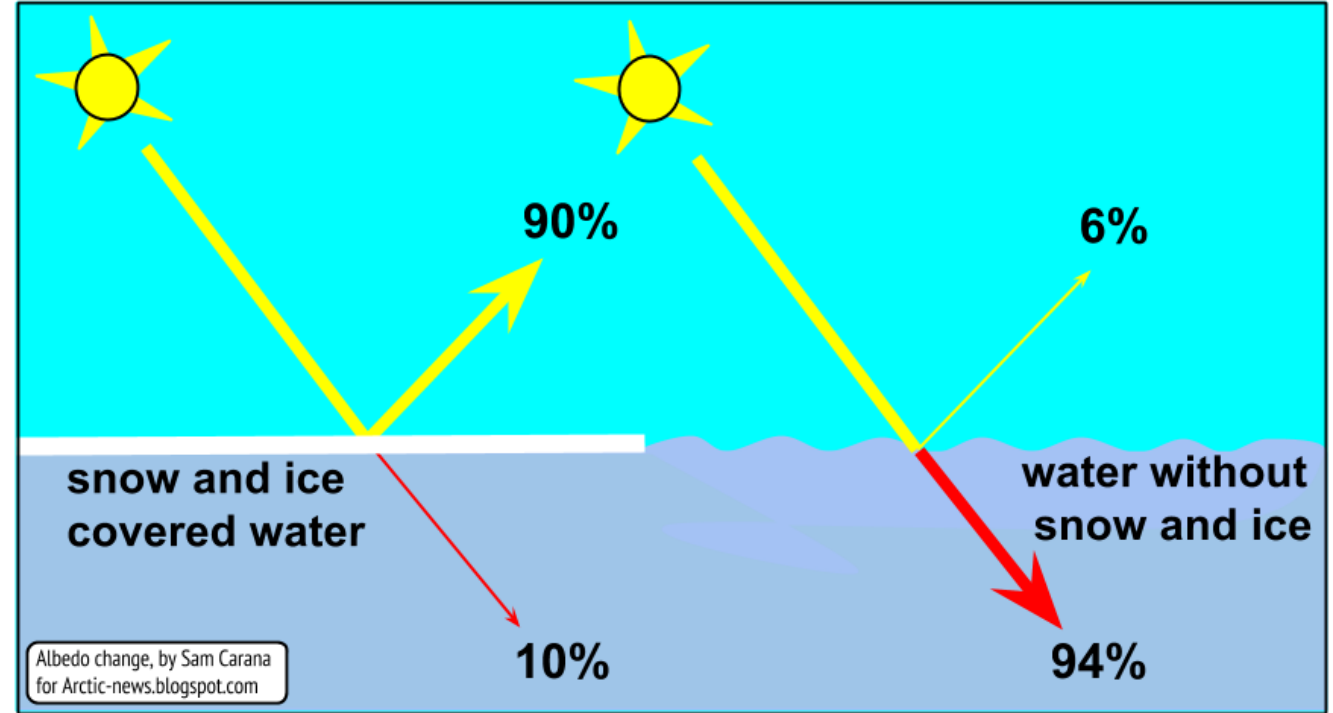
- ▶ French/English relations in Canada
- ▶ Canada's relationship with Indigenous Peoples (change and continuity over time)
- ▶ Canada/US relations
- ▶ Immigration histories
- ▶ Significance and impact of megaprojects and infrastructure development
- ▶ Canada at war/impact of war.
- ▶ Constitutional change since Confederation
- ▶ The relationship between activists, courts and government legislation.
- ▶ Federal/provincial relations



Implications for the Arctic?

Arcticide?

“the Arctic as we know it is now dying – and if it does die, it will not have been of natural causes.”
John McCannon, *History of the Arctic*, 297.



Arctic Threats:
To Date: Pollution, Overhunting, and Human
Encroachment

Now: Shrinking Albedo



Impermanent Permafrost

- By 2100, anticipated that 80% of top layer of permafrost in Arctic will be liquid.



Source: International Permafrost Association, 1998.
Circumpolar Active-Layer Permafrost System (CAPS), version 1.0.



► By 2100, anticipated that 80% of top layer of permafrost in Arctic
Impermanent Permafrost
will be liquid.



Section 90 of the BNA Act

- ▶ **90.** The following Provisions of this Act respecting the Parliament of Canada, namely, -- the Provisions relating to Appropriation and Tax Bills, the Recommendation of Money Votes, the Assent to Bills, **the Disallowance of Acts**, and the Signification of Pleasure on Bills reserved,-- shall extend and apply to the Legislatures of the several Provinces as if those Provisions were here re-enacted and made applicable in Terms to the respective Provinces and the Legislatures thereof, with the Substitution of the Lieutenant Governor of the Province for the Governor General, of the Governor General for the Queen and for a Secretary of State, of One Year for Two Years, and of the Province for Canada.



Federal/Provincial Relations & Constitutional Reform



Solutions?

- ▶ Imagine your future
 - ▶ Values, vision.
- ▶ Constitutions matter!
- ▶ Youth mobilization
- ▶ Advocate for Fair Elections – Democracy Takes Work.



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