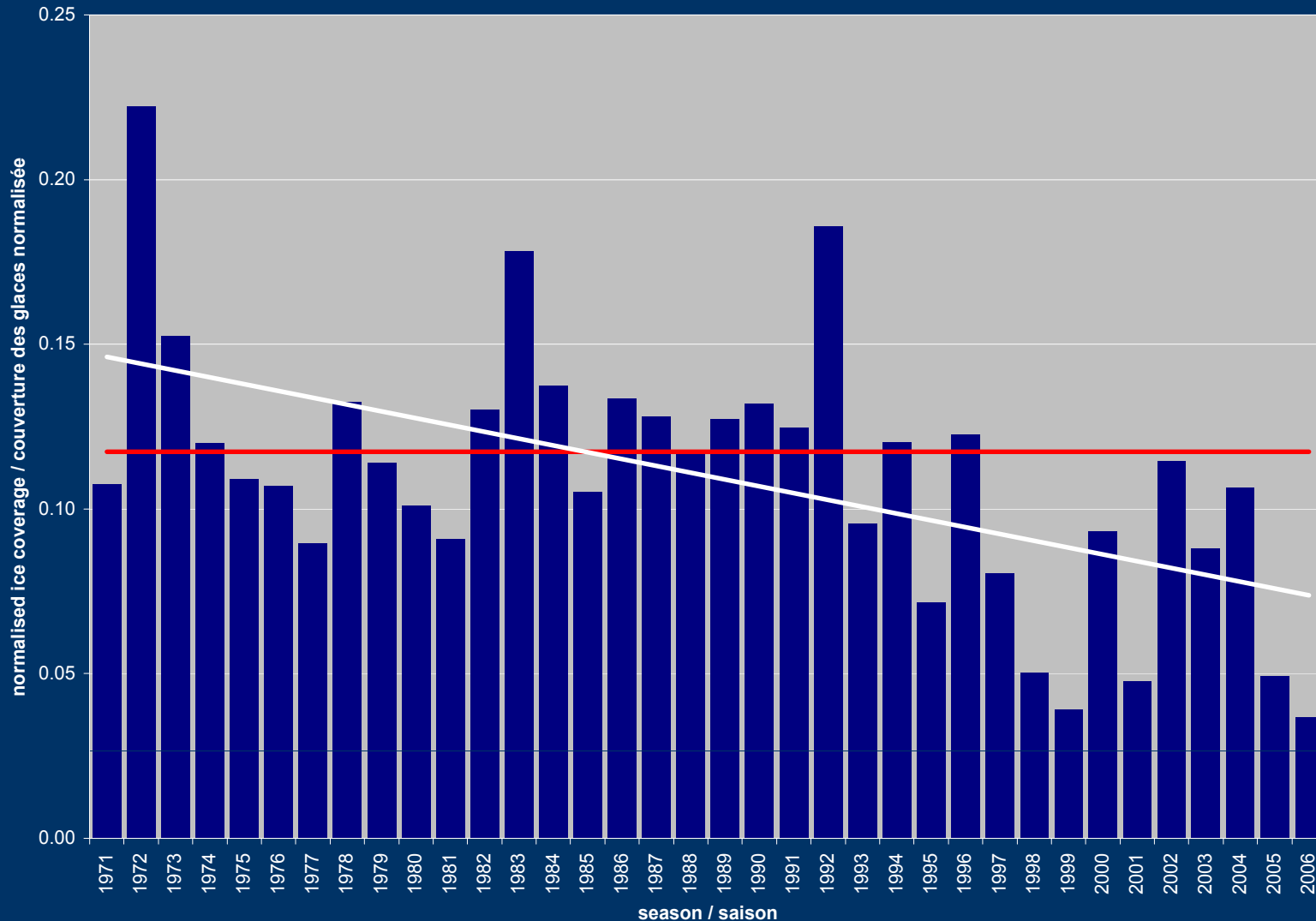


Hudson Bay and Approaches

50% decrease over the period 1971-2006

Historical Total Accumulated Ice Coverage 0625 – 1015

Hudson Bay / Baie d'Hudson



short name / nom en bref:
HUDBAY

source region / région source:
HB / BH

ice season (mddd) / saison
des glaces (mddd):
0625-1015

averages based upon / les
moyennes basées sur:
1971-2000

by / par:
CIS / SCG

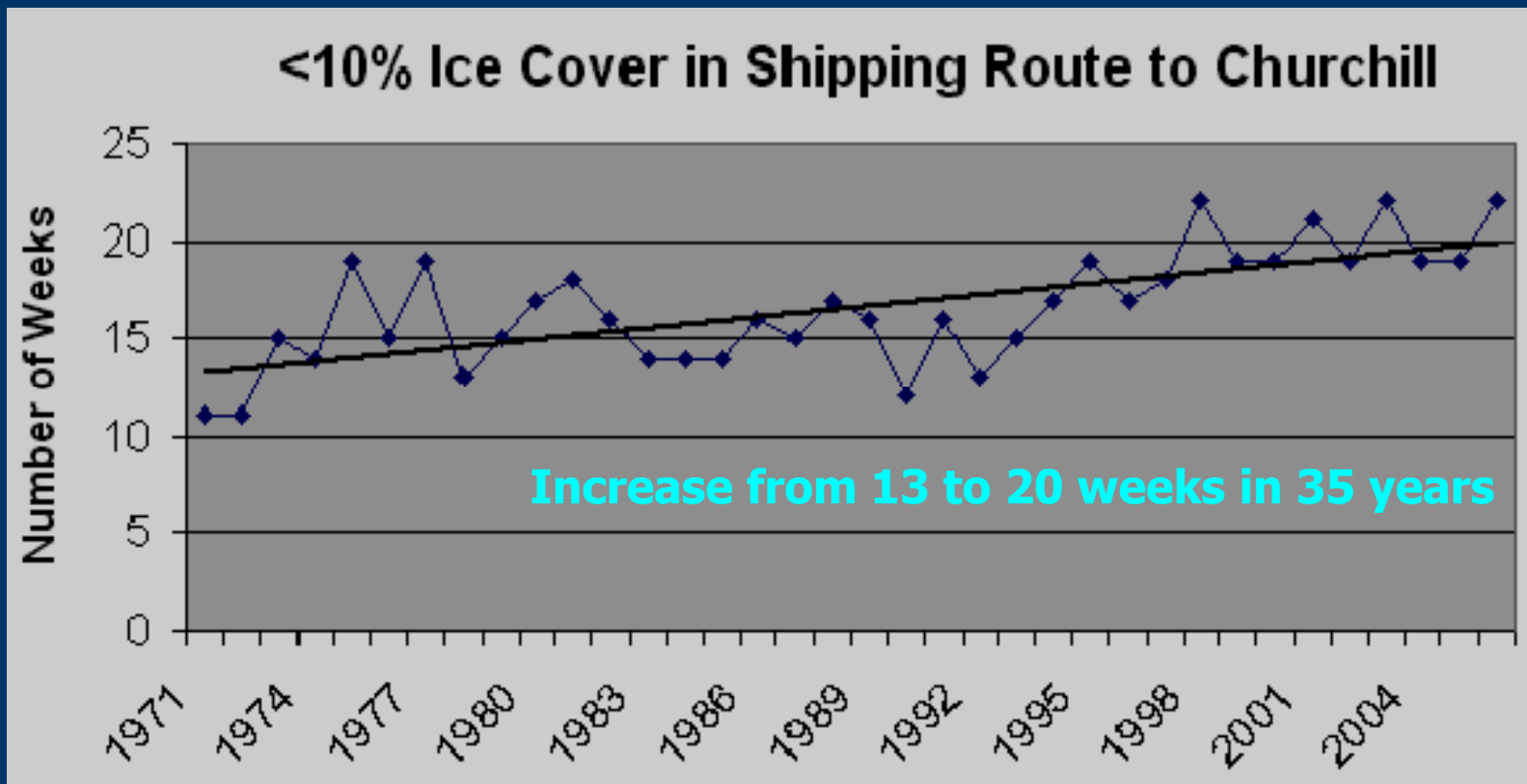


Murmansk to Churchill – The Arctic Bridge

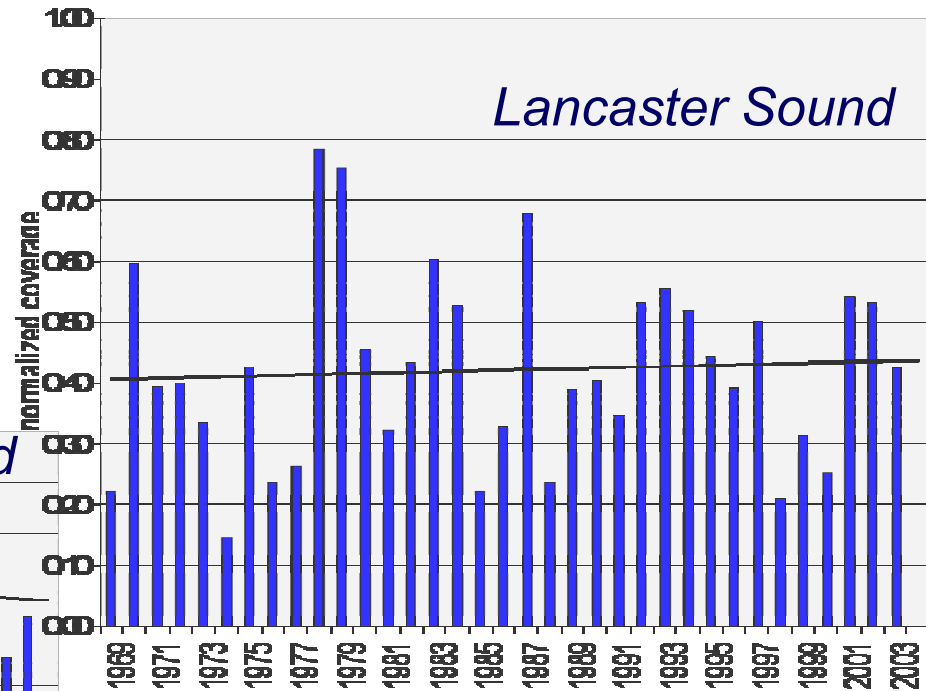
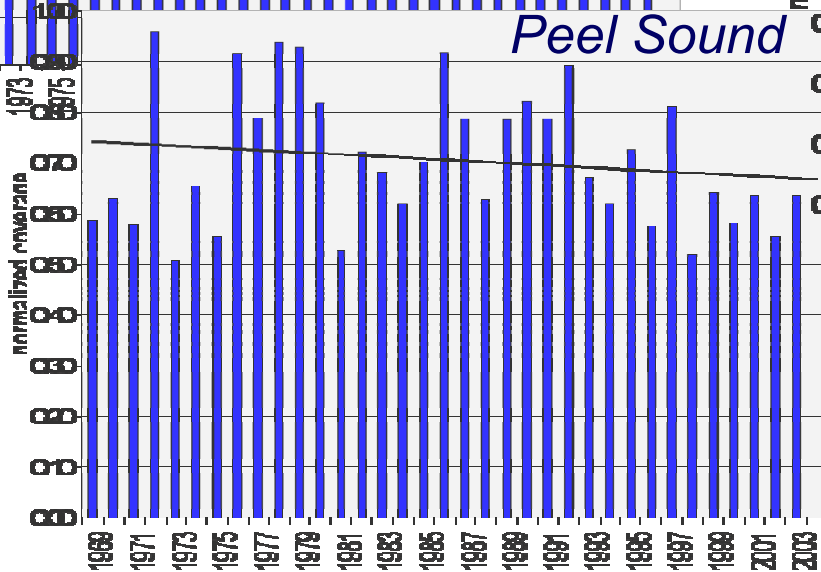
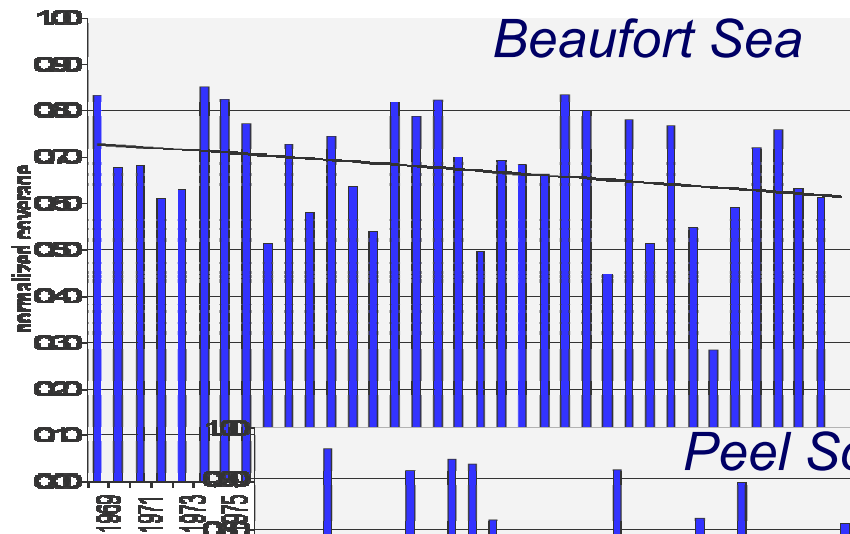


Implications for Canada

- Increased access to Hudson Bay and Port of Churchill
 - Similar to Gulf of St Lawrence by mid-century

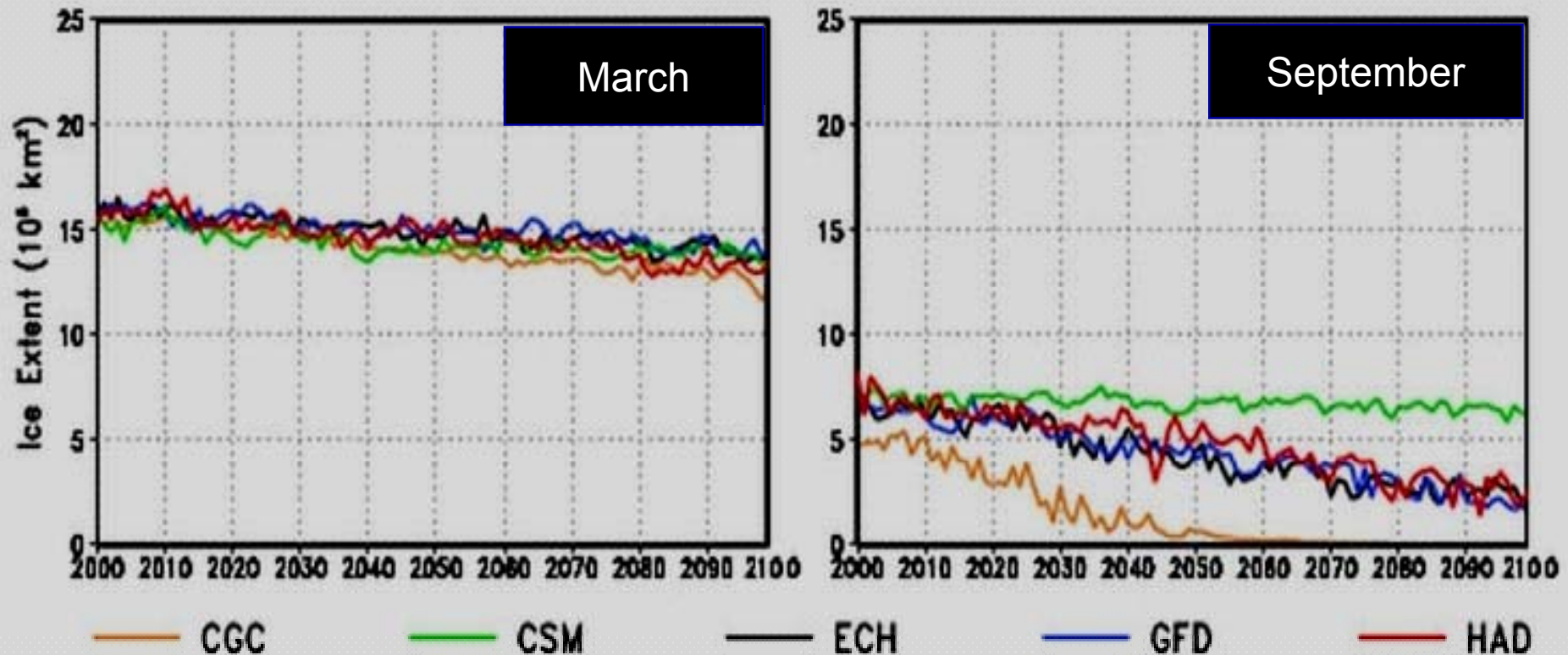


Sea Ice Inter-Annual Variability is Significant



We have experienced years in the past where a given year can have 3 times more or less ice than the previous year

GCM Projections for Northern Hemisphere



- Canadian model has ice-free summers by 2050
- Main ensemble of models delays this until next century