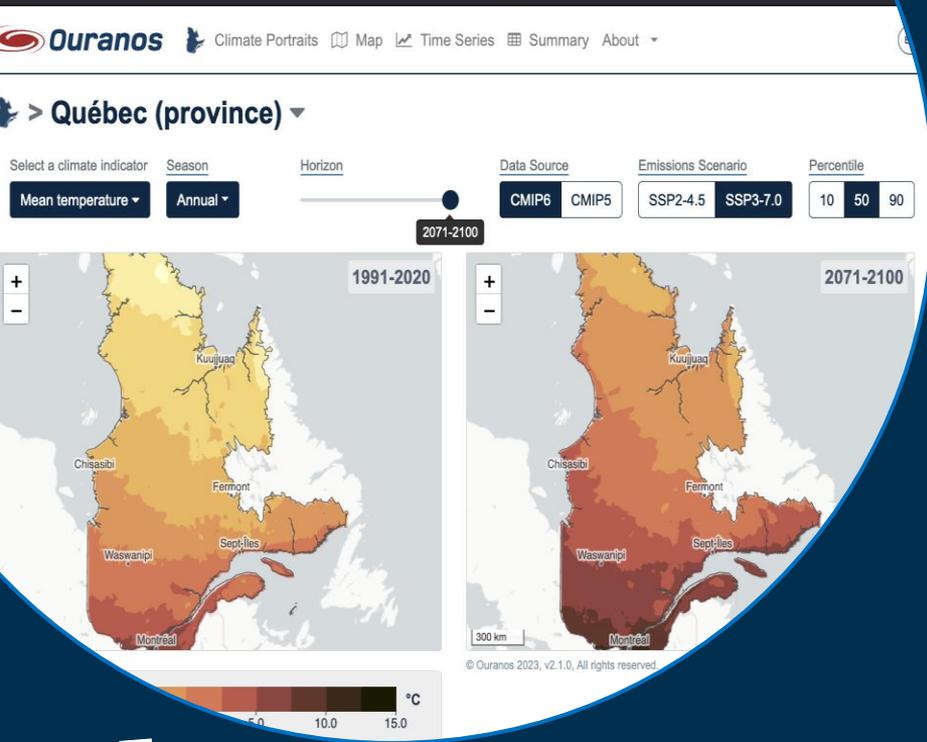


Portraits climatiques et Données climatiques Canada : Est-ce que l'histoire est la même?

Juliette Lavoie¹, Louis-Philippe Caron¹, Travis Logan¹ and Elaine Barrow²

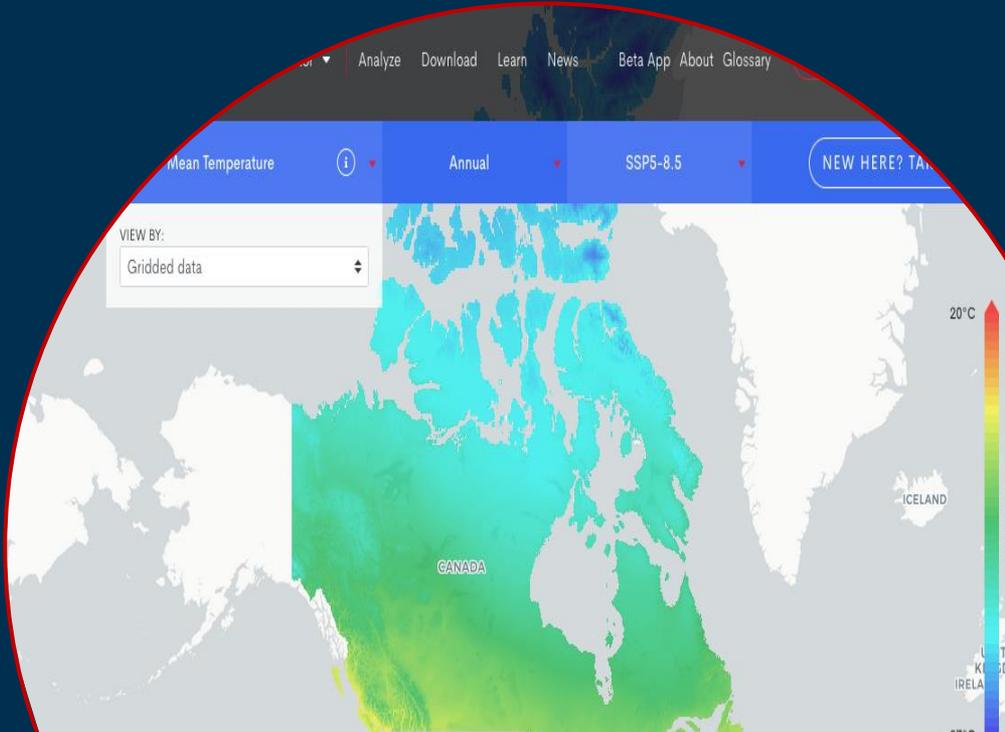
¹ Ouranos

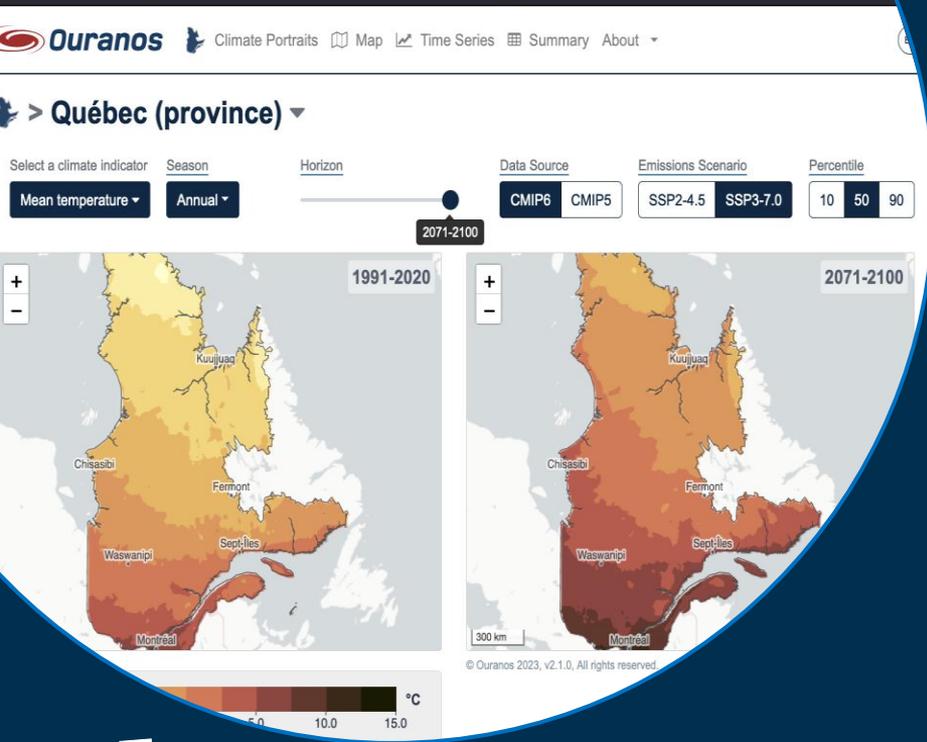
² Centre canadien des services climatiques, Environnement et Changements climatiques
Canada



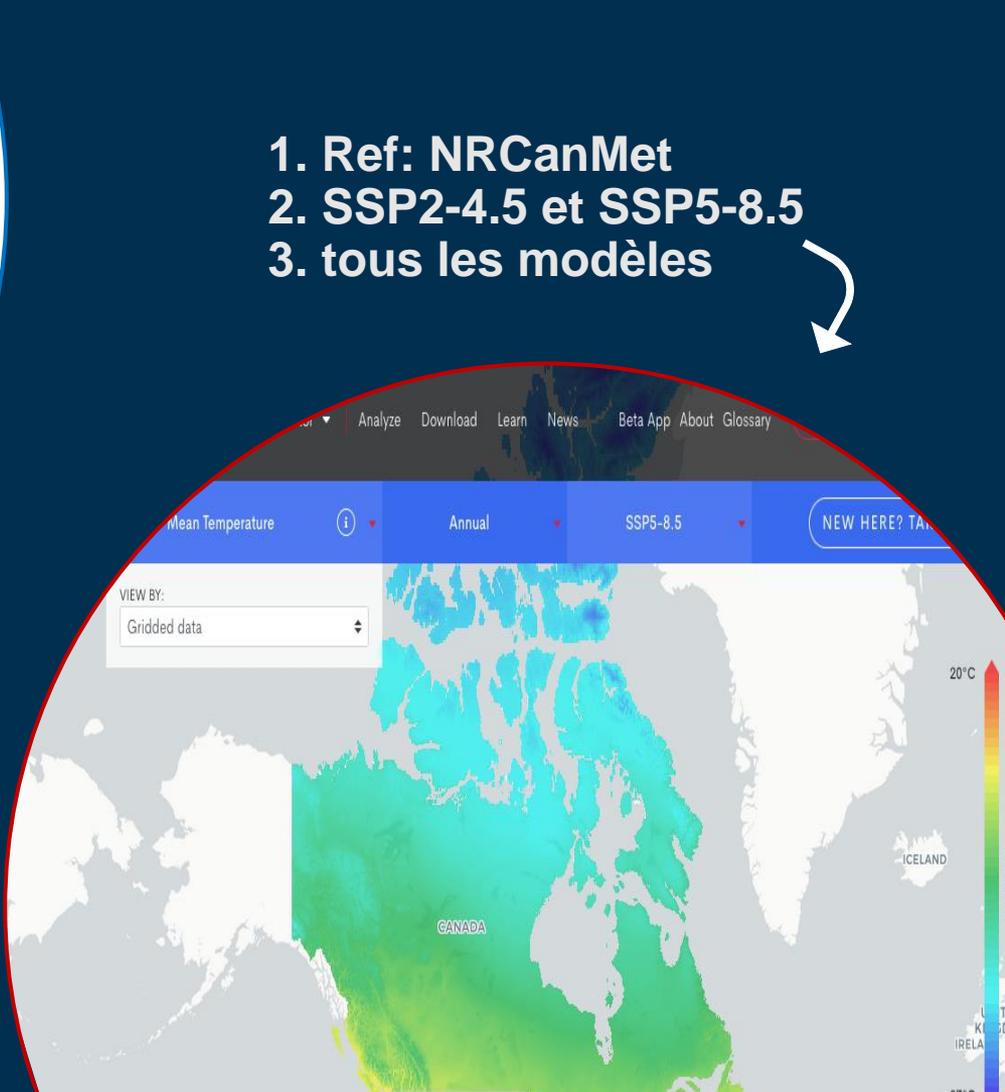
Portraits Climatiques

Données Climatiques Canada



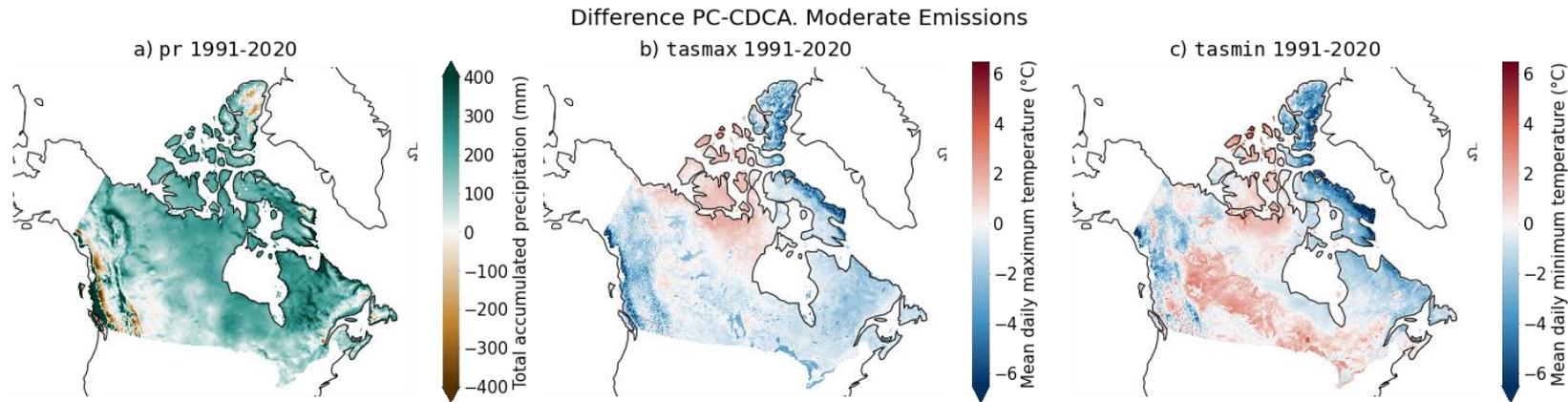


1. Ref: CaSR v2.1
2. SSP2-4.5 et SSP3-7.0
3. filtre modèles chauds



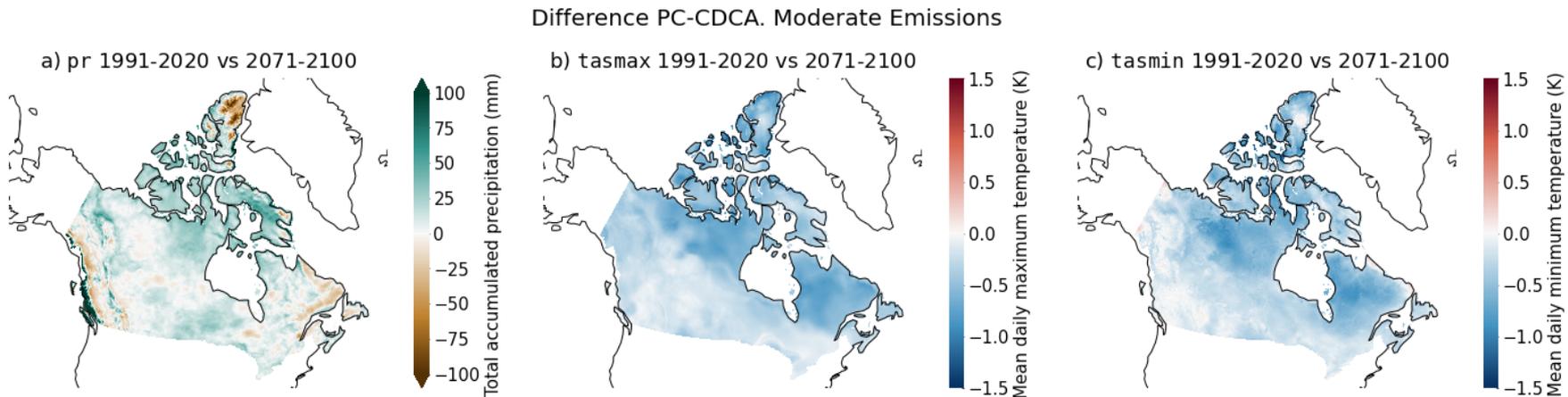
1. Ref: NRCanMet
2. SSP2-4.5 et SSP5-8.5
3. tous les modèles

COMPARAISON DES VARIABLES DE BASE - ÉMISSIONS MODÉRÉES

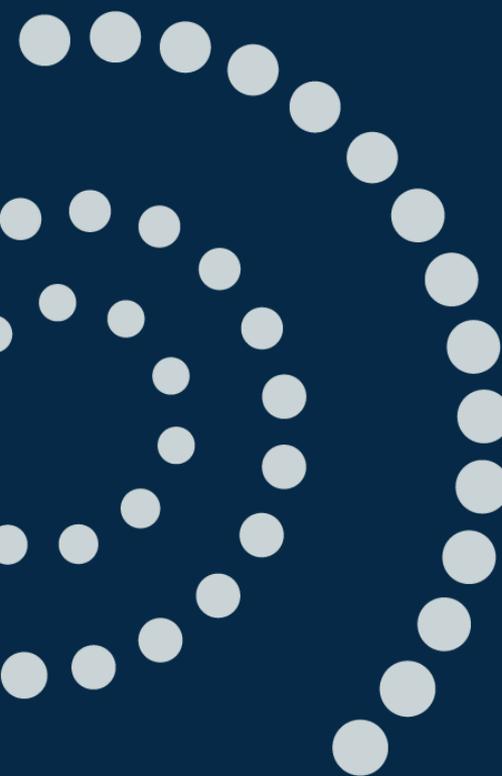


Différences entre
PC = Portraits Climatiques
et
CDCA = climatedata.ca (données climatiques Canada)

COMPARAISON DES VARIABLES DE BASE - ÉMISSIONS MODÉRÉES



Différences entre
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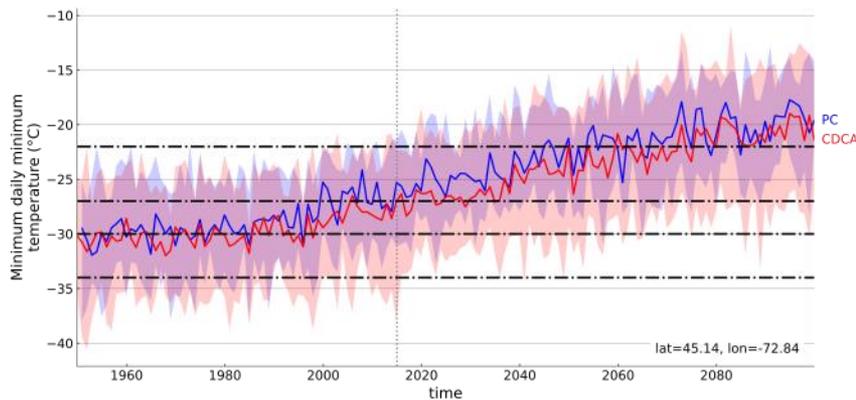


Études de cas

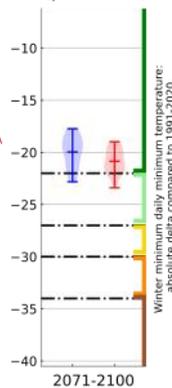


Moderate Emissions

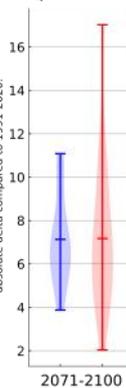
a) Winter minimum daily minimum temperature



b) Value
($p = 0.0160$)



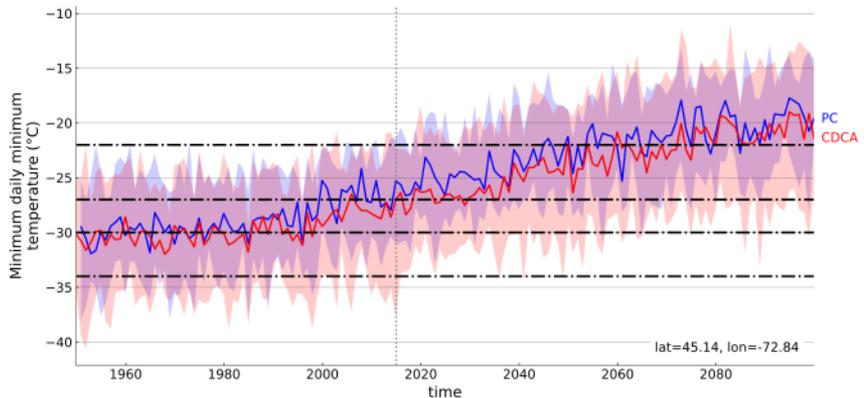
c) Change
($p = 0.9664$)



Vignoble & température minimale hivernale

Moderate Emissions

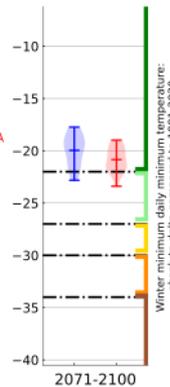
a) Winter minimum daily minimum temperature



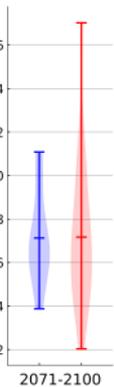
■ very good
 ■ good
 ■ moderate
 ■ low
 ■ unsuitable



b) Value (p = 0.0160)

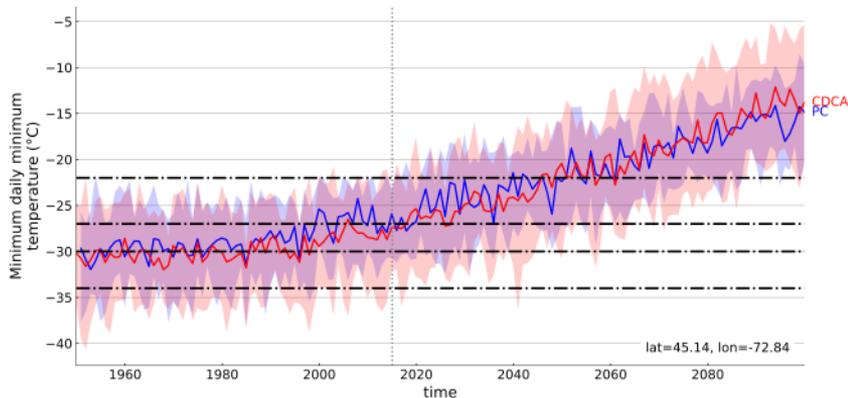


c) Change (p = 0.9664)

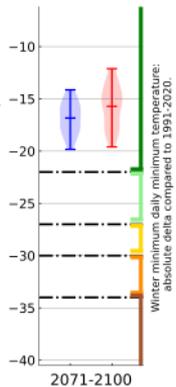


High Emissions

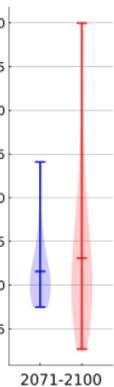
d) Winter minimum daily minimum temperature



e) Value (p = 0.0235)

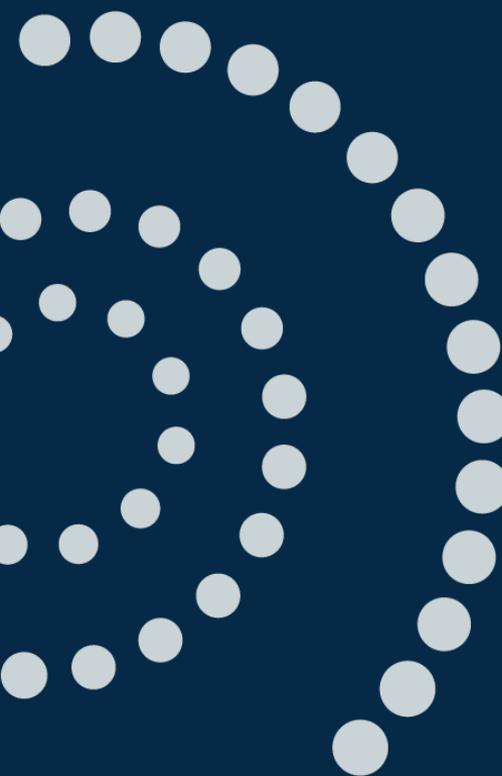


f) Change (p = 0.5378)



Décision:

Planter Vitis Viniferas pour la fin du siècle



Études de cas

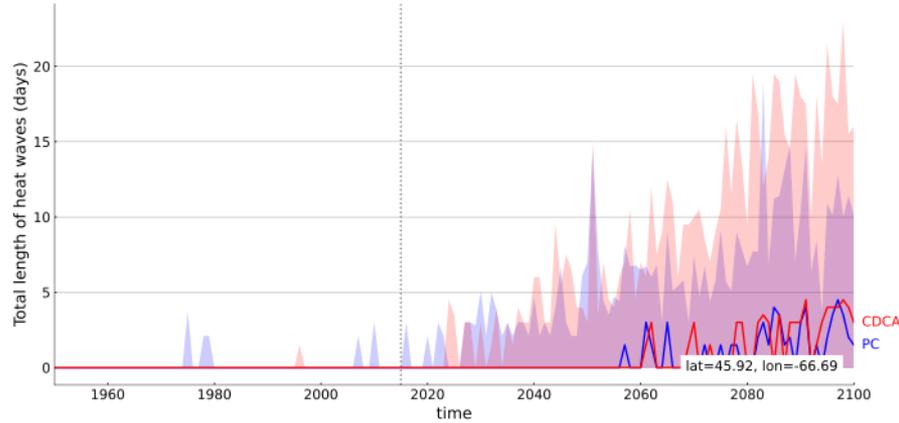
Fredericton, N-B



Installation de climatisation

Moderate Emissions

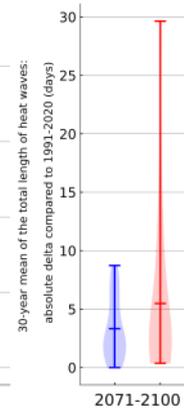
a) Total length of heat waves



b) Value
(p = 0.2967)



c) Change
(p = 0.2584)

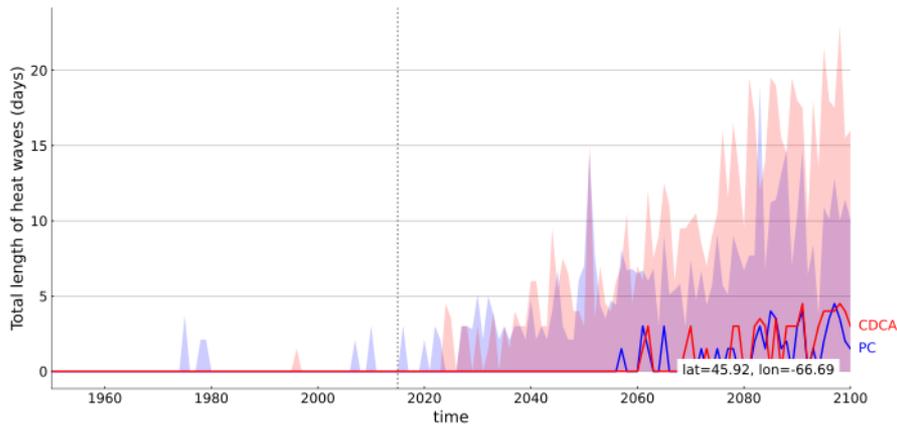


Décision:

Laisser de la place
pour installation
éventuelle

Moderate Emissions

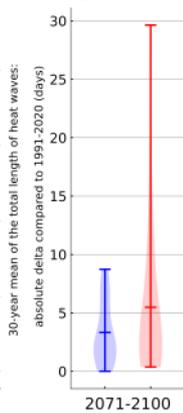
a) Total length of heat waves



✓
b) Value
(p = 0.2967)



✓
c) Change
(p = 0.2584)

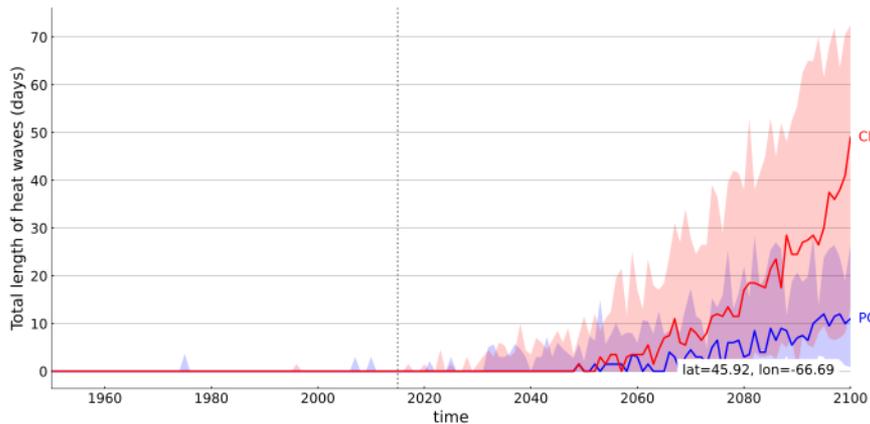


Décision:

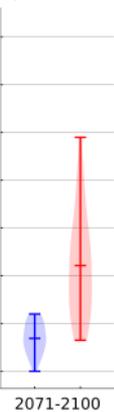
Laisser de la place
pour installation
éventuelle

High Emissions

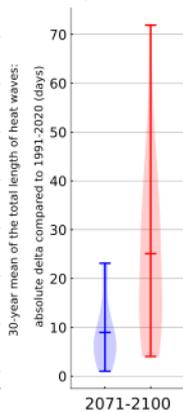
d) Total length of heat waves



✗
e) Value
(p = 0.0000)



✗
f) Change
(p = 0.0019)



Décision:

Dépendre du seuil
d'action. AC semble
inévitables pour CDCA.

Conclusion



Case Studies	Value		Change		Decision	
	Mod.	High	Mod.	High	Mod.	High
Vineyard & Minimum Temperature	X	X	✓	✓	✓	✓
Ice Roads & Time of Freeze-up	X	✓	✓	✓	✓	✓
Public Transport & Freeze-thaw Cycles	X	X	X	X	~	~
Highways & Extreme Precipitation	X	X	✓	✓	✓	✓
Building, Health & Extreme Temperatures	~	X	~	X	✓	~



**SYMPOSIUM
OURANOS 2025**



ClimateData.ca
DonnéesClimatiques.ca



Environment and
Climate Change Canada
Environnement et
Changement climatique Canada



***Environnement
et Lutte contre
les changements
climatiques***

Québec 