BC | Climate Resilience Summit 2025

Vancouver, Robson Square March 3rd/4th

Hands Up

If you have considered climate change in your work in terms of reducing greenhouse gas emissions

Hands Up

If you have ALSO considered climate change in your work in terms of the effects of a changing climate on design

Hands Up

If you have USED FUTURE CLIMATE PROJECTIONS in your work to account for the effects of a changing climate on design

Hands Up

If you have moved on from using historical data alone and ALWAYS USE future climate to account for the effects of a changing climate on design

Hands Up

If you would always use future climate to account for the effects of a changing climate on design IF THERE WERE MAGICALLY NO DATA GAPS, UNCERTAINTY, OR OBJECTIONS

Some barriers we've heard before
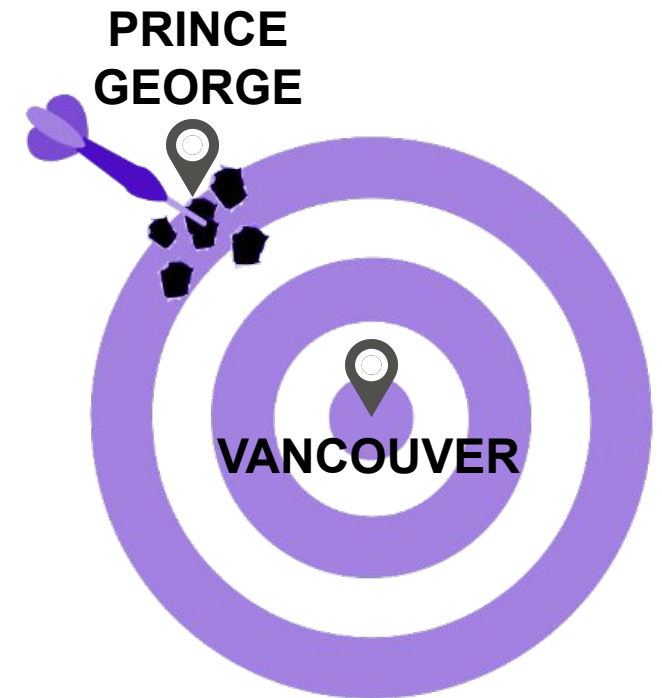
The Challenge

FUTURE DATA IS NEEDED

- Energy demand will change in the future

- Historical climate data does not account for climate change

- "What we have always done" no longer relevant

Managing uncertainty

PRECISION OF THE PAST

- We have precise historical data for the past century, but it is not accurate anymore

- Using historical weather observations is no longer an accurate way to <u>plan for the future</u>

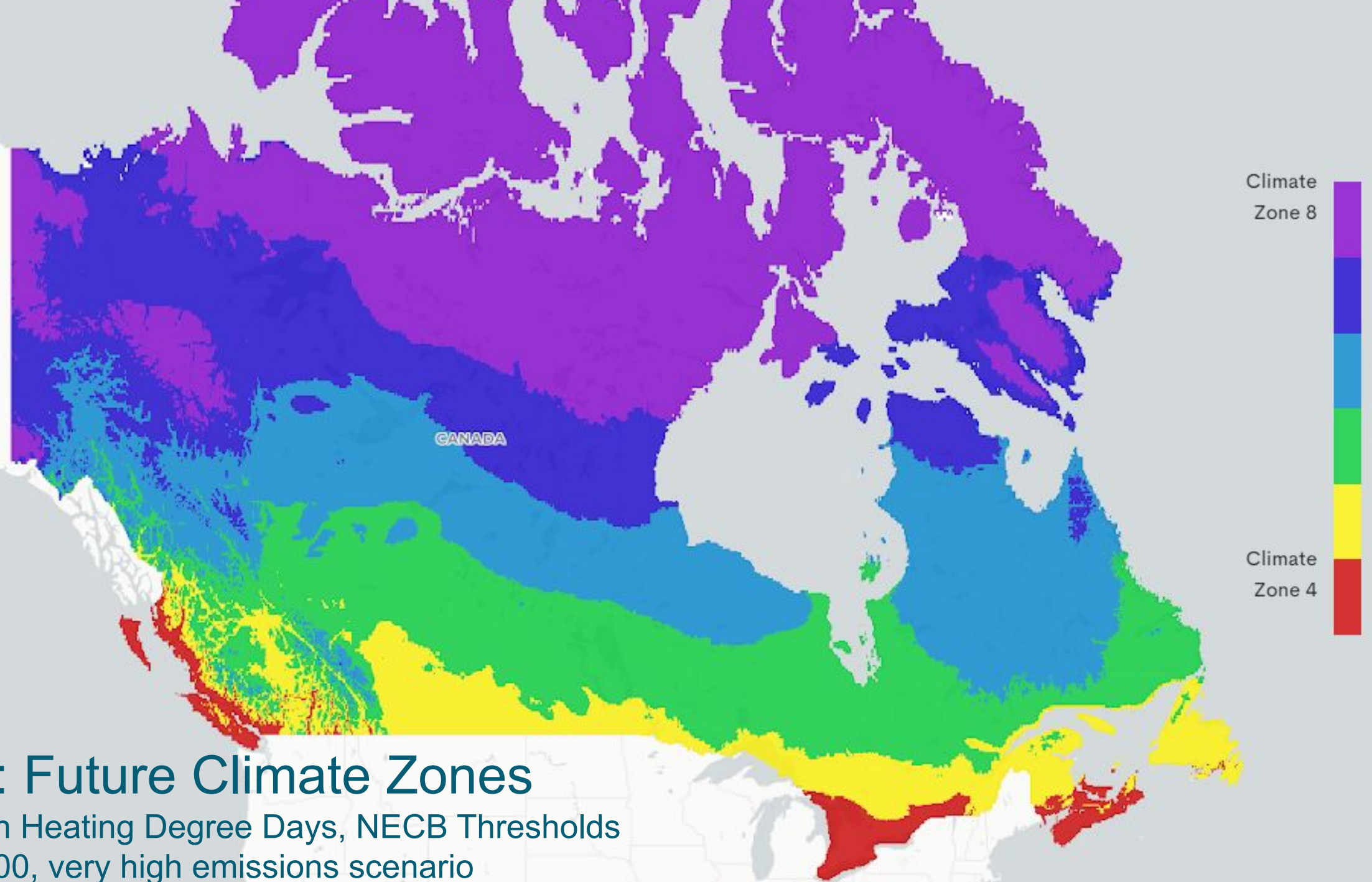- Aiming for this historical target avoids the bulls-eye

PRINCE GEORGE

VANCOUVER

Managing uncertainty

ACCURACY FOR THE FUTURE

- Analyzing future climate projections and hazards means looking at historical trends and future climate models

- Future projections include uncertainty

- Accuracy comes from combining a range of values, different models, scenarios, and other factors
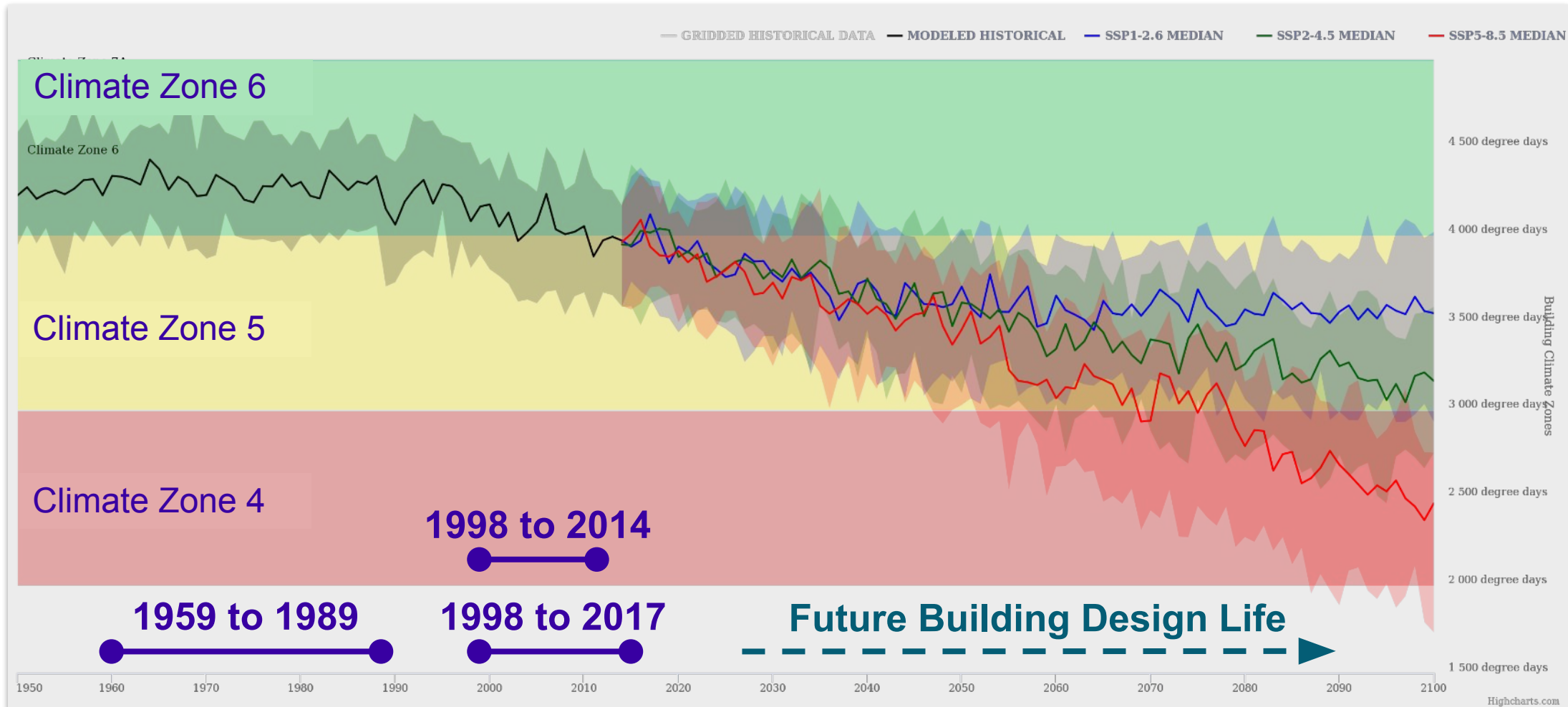
PRINCE GEORGE

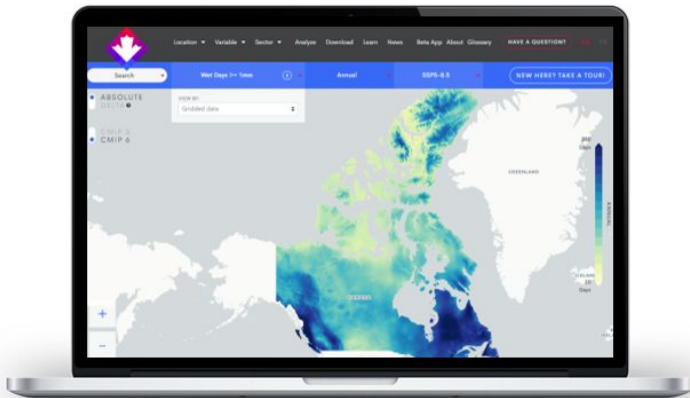VANCOUVER

NEW: Future Climate Zones
Based on Heating Degree Days, NECB Thresholds
1950-2100, very high emissions scenario

Ask technical teams to use future weather files and future design values in addition to historical

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Resources

**ClimateData.ca
Learning Zone, Blogs**

CCCS Support Desk

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Canada.ca/climate-services

Regional Climate Services

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