

Levers to mainstream adaptation effectively: Lessons and best practices from Western Canada

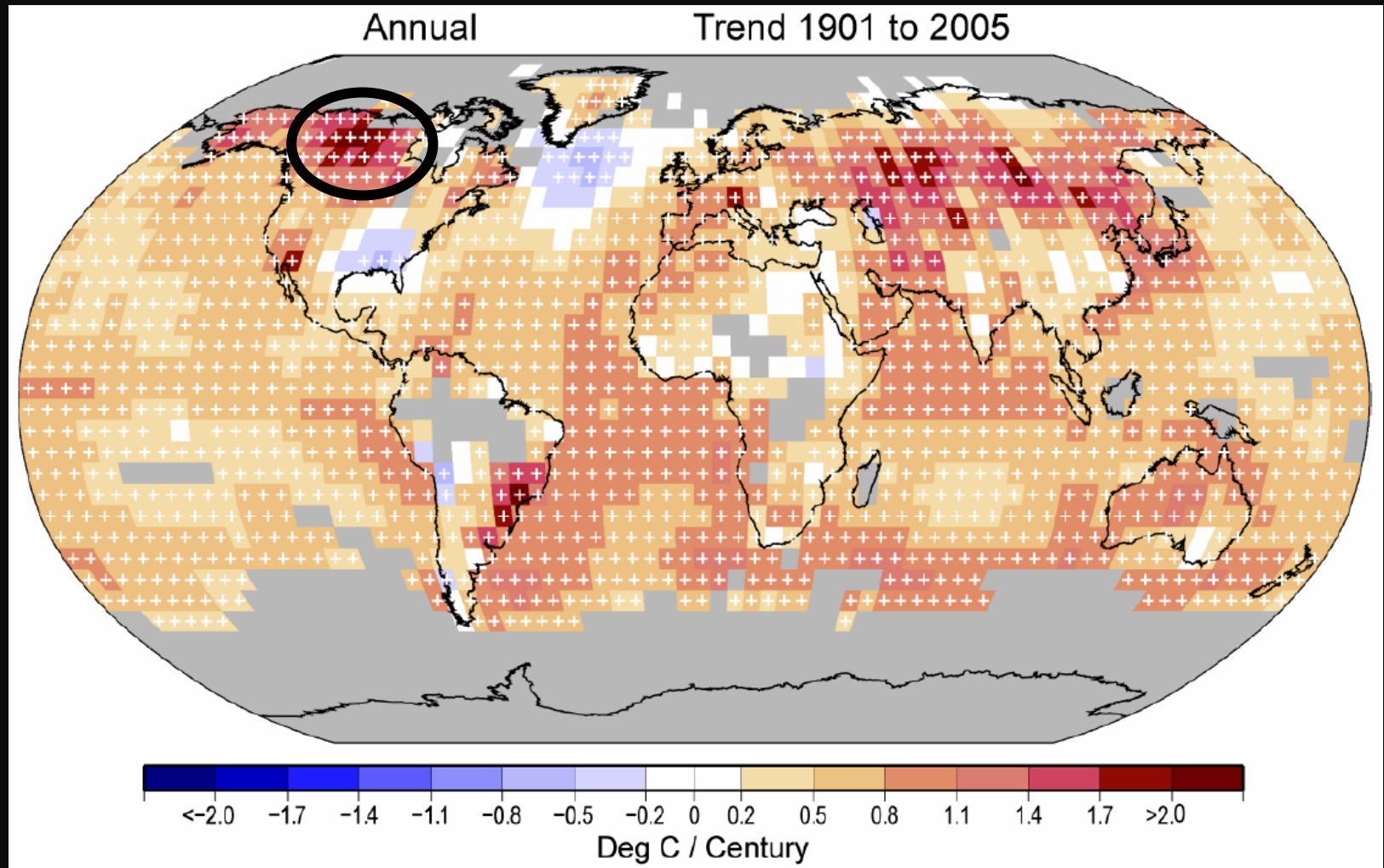
Introducing the Prairie Climate Centre



THE UNIVERSITY OF
WINNIPEG



We're getting hotter

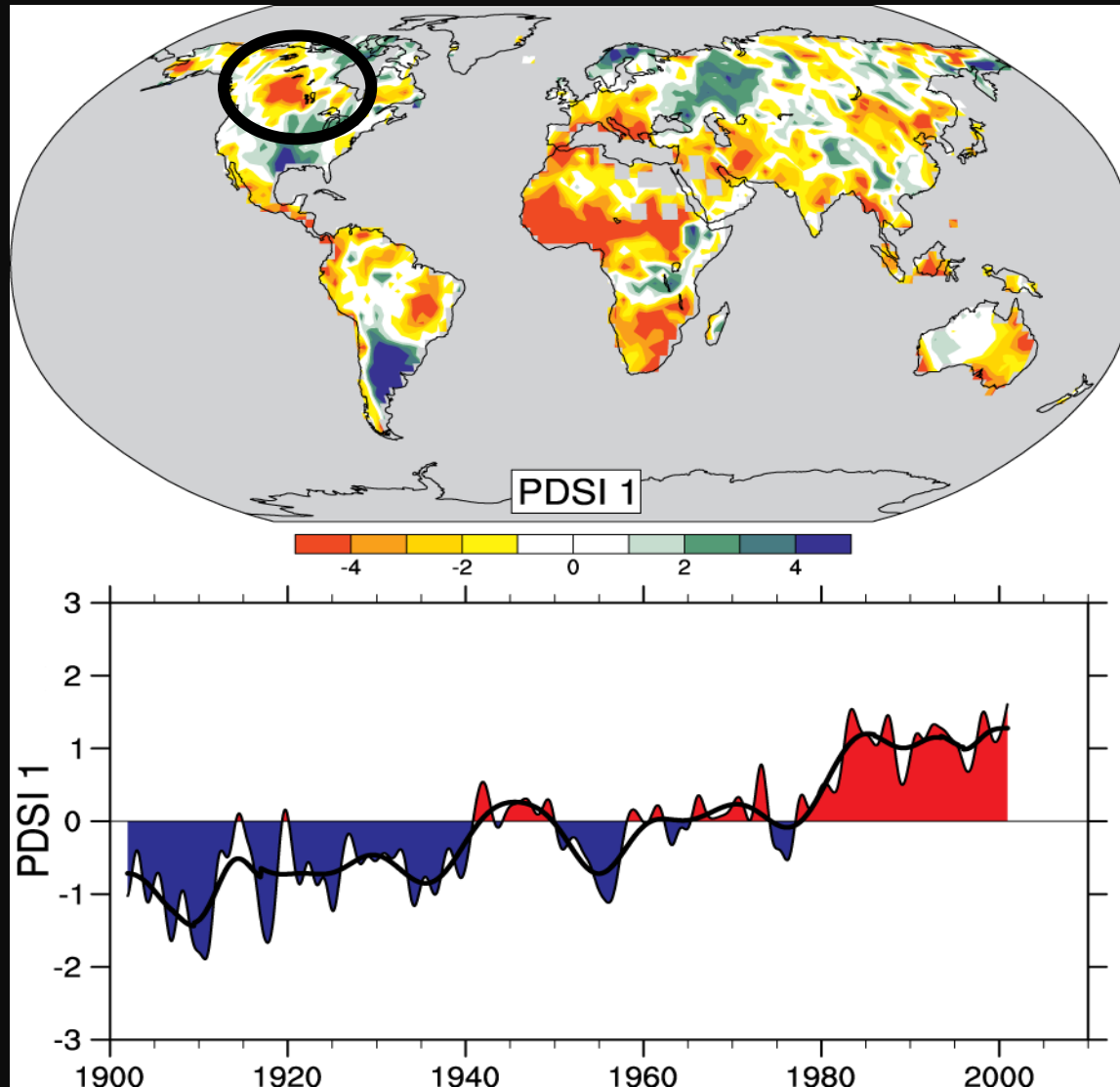


Spatial Distribution of Temperature Increases

We're getting drier



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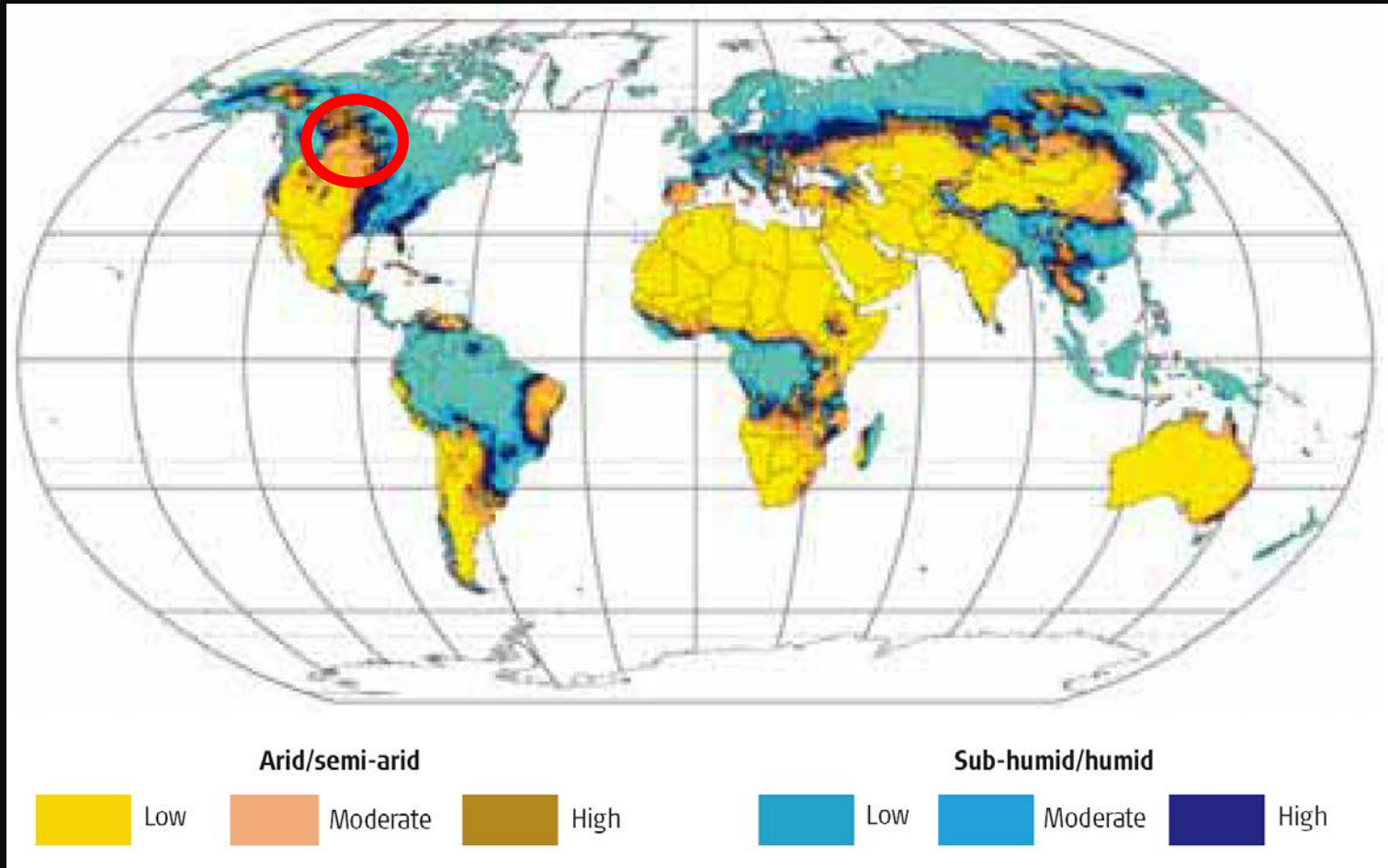
Palmer Drought Severity Index Spatial and temporal trends (1900-2002)

Source: IPCC, 2007

We'll get more extreme



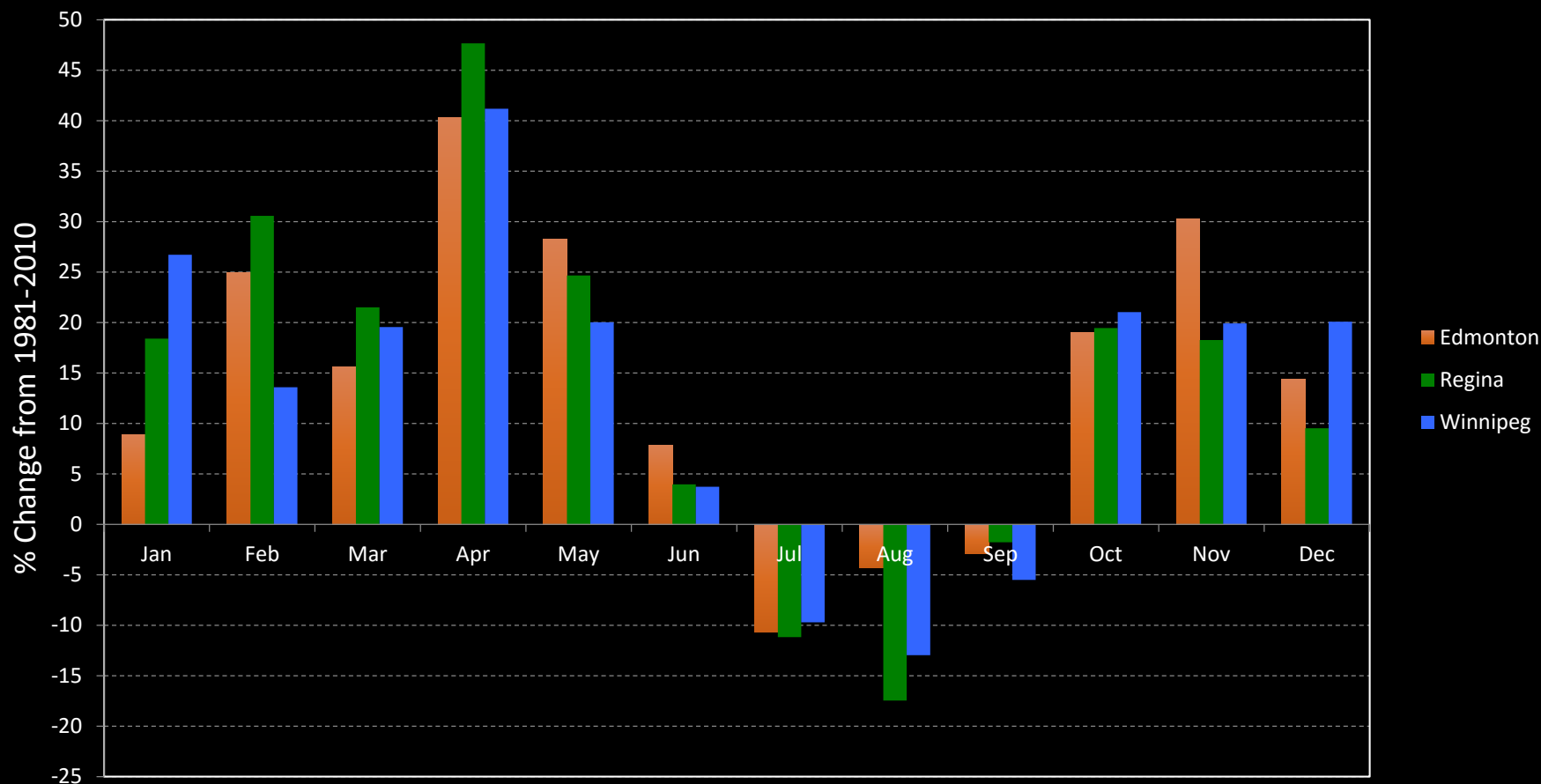
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2051-2080 Δ PPT: RCP8.5



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Outline

- Danny Blair, University of Winnipeg; Scientific Director Prairie Climate Centre - *Introduction to the Prairie Climate Atlas*
- Dave Sauchyn, University of Regina, Prairie Adaptation Research Collaborative - *Adaptation Planning in the Agricultural and Water Sectors in Western Canada*
- Virginia Wittrock, Saskatchewan Research Council
- Mark Johnston, Saskatchewan Research Council - *Tools for Mainstreaming Climate Change into Sustainable Forest Management*
- Dirk Nyland, BC Ministry of Transportation and Infrastructure - *Highway Reliability Technical Circular*
- Emily McNair, *BC Agriculture Climate Action Initiative*
- Acknowledgements
- Dr. Johanna Wolf
- PCIC

- Want to learn about your research
- Want to learn about the policy context for your research, what originally motivated the work, and what will sustain the work
- We want to learn from our BC colleagues, about their work and the institutional context for their work. The role of
 - the BC Climate Action Secretariat
 - Pacific Institute for Climate Solutions
 - Pacific Climate Impact Consortium

We want to your advice:

- We are looking for “well-placed” individuals interested in serving on our steering committee (bi-monthly) and advisory (bi-annual) committee.

Our Mission

The **mission** of the Prairie Climate Centre is the pursuit of the following three strategic goals:

- *Climate Data and Research* – building, maintaining and providing climate projection datasets and conducting research projects that address critical knowledge gaps and facilitate adaptation planning and innovative climate solutions in all regions of the Prairie Provinces.
- *Communication and Outreach* – deploying video, mapping and other multi-media tools to mobilize knowledge and resources tailored to the needs of different stakeholder groups.
- *Planning and Development* – creating and nurturing communities of practice on leading-edge adaptation principles and innovative climate solutions at local, regional and national scales, ensuring training opportunities for a new generation of leaders, and ensuring the long-term vitality of the Prairie Climate Centre through strategic partnerships and constant innovation

About Us



Dr. Danny Blair

- Scientific Director, Prairie Climate Centre
- Climatologist
- Associate Dean, Faculty of Science
- Principal, Richardson College for the Environment
- Professor, Department of Geography
- University of Winnipeg



Dr. Ian Mauro

- Communications Director, Prairie Climate Centre
- Film maker, environmental scientist
- Associate Professor, Department of Geography
- University of Winnipeg



Ryan Smith, MSc

- Research Associate, Prairie Climate Centre
- Climate researcher, computer programmer and map designer
- University of Winnipeg



Dr. Hank Venema

- Planning Director, Prairie Climate Centre
- Policy analyst, International Institute for Sustainable Development
- Professional engineer
- Climate, water, energy, ecosystem management, environmental economics, agriculture policy expert

Role of the Prairie Climate Centre

- Inform policy and develop solutions
- Inspire adaptation and mitigation
- Make climate change data accessible to all
- Build decision making tools
- Produce peer-reviewed research results
- Foster Prairie-wide collaborations and partnerships
- Conduct workshops and training sessions
- Educate the public