



EPISODE 4

Climate Change and Regenerative Agriculture

This podcast is about how we get from here to there, exploring climate adaptation and the ways that climate data can make us more resilient as a society.

Episode 4 leaves the city behind and explores adaptation in the agricultural sector. We talk with two farmers in Saskatchewan as they explore regenerative agriculture as a way to make farms more resilient against a changing climate.



From *here*
to *there*

EPISODE HIGHLIGHTS

In this episode, you'll hear stories about...

- ▶ The challenges of farming in a changing climate
- ▶ Climate projections for climate variables like heat and precipitation in the Prairies
- ▶ Climate adaptation supports for the agricultural sector
- ▶ Innovative real-world regenerative farming practices
- ▶ Seasonal forecasts and their applications for farmers



Episode Host

Martin Payette is a Research and Knowledge Mobilization Specialist at Ouranos with a background in biology and journalism.

He works to make climate change adaptation research accessible and useful to diverse audiences and practitioners.



Episode Guests



Keaton Sinclair is a fourth generation farmer and lives with his wife, **Alanna Carlson** on the family farm near Rosetown, Saskatchewan. They quit their office jobs as an engineer and lawyer to answer the call of the land. They grow grain and pulse crops using regenerative agriculture practices that prioritize plant and soil health, with the aim to restore the land for generations to come, acre by AKre.



Elaine Barrow is a climate scientist with a Bachelors and PhD in Environmental Sciences and a MSc in Atmospheric Sciences. Elaine has approaching 40 years of experience in climate research and joined the Data Products Office of the Canadian Centre for Climate Services in 2019. She now focuses on providing climate information in a way that is useful and usable for adaptation decision-making and works closely with the ClimateData.ca team.



Asha Nelson is a project coordinator at ClimateWest where she manages diverse climate adaptation initiatives. She has a decade of experience designing and delivering community-led research projects and programs, with a particular focus on food sovereignty. She holds an advanced degree in Global Political Economy and serves on the Winnipeg Food Council.



Hayley Dosser is a climate scientist with an MSc in physics and a PhD in oceanography, whose experience ranges from fluid dynamics to climate change. Hayley is currently part of the Seasonal to Decadal team with the Data & Products Office at the Canadian Centre for Climate Services.

Deeper Dive

- ▶ [ClimateWest](#)
- ▶ [Seasonal to Decadal Forecasts](#)
- ▶ [Agriculture and Future Climate Module on ClimateData.ca](#)
- ▶ [Regeneration Canada](#)
- ▶ [ALUS](#)
- ▶ [FaRM Learning Hub](#)
- ▶ [AKRegeneration Instagram](#) and [YouTube](#)



To learn more about how you can integrate climate data into your decision-making, visit **ClimateData.ca**