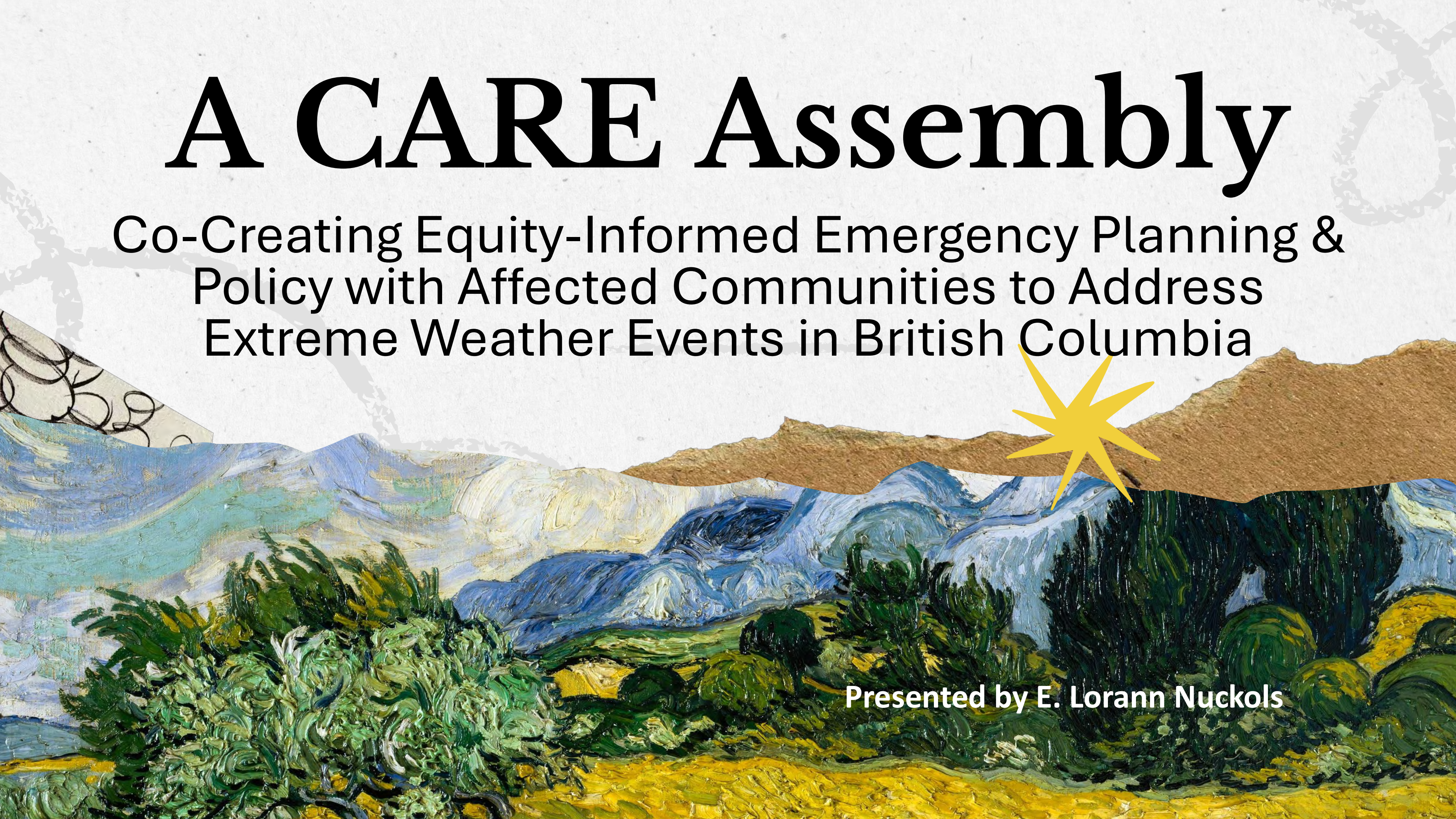


A CARE Assembly

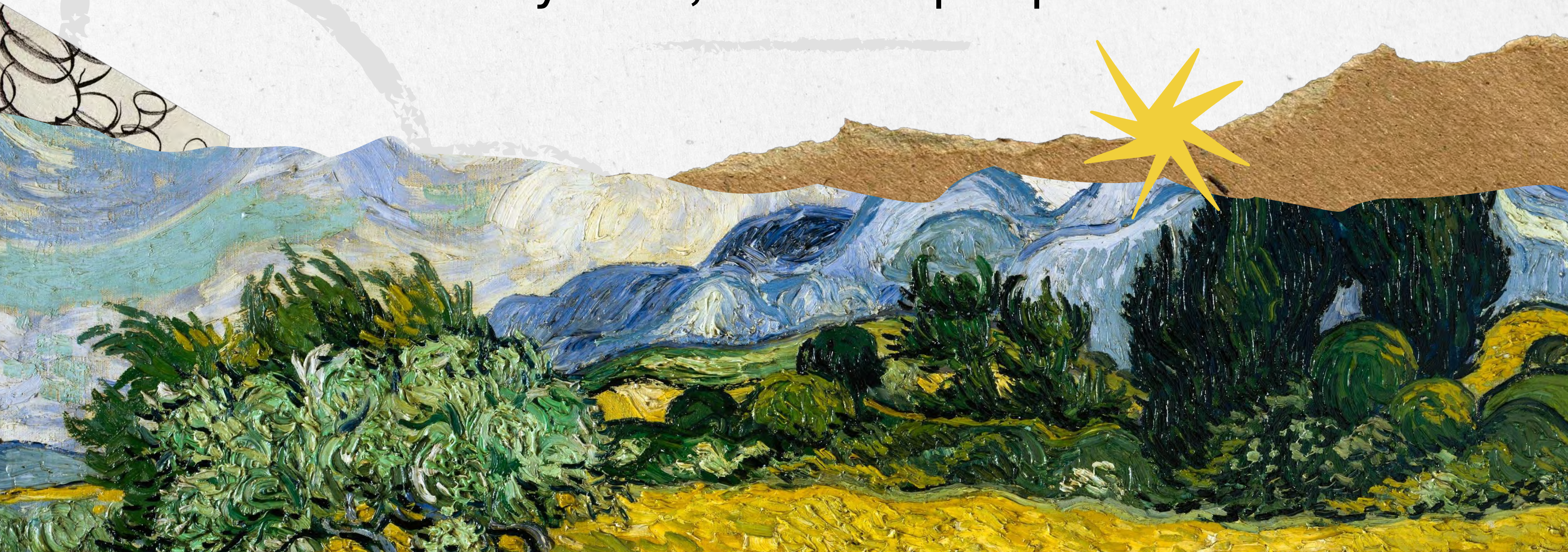
Co-Creating Equity-Informed Emergency Planning & Policy with Affected Communities to Address Extreme Weather Events in British Columbia



Presented by E. Lorann Nuckols

Land Acknowledgement

I acknowledge the original stewards
of this unceded land, the Arapahoe,
Cheyenne, and Ute peoples



Presentation Outline



Introduction

Methodology

Recruitment

**Preliminary
Observations**

Closing Conversation

Dr. E. Lorann Nuckols

Postdoctoral Researcher
School of Public Administration



Kavita Nahal

Co-Op Researcher
School of Public
Administration



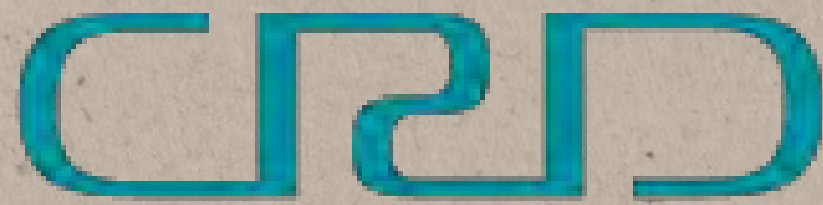
Dr. Sarah M. Wiebe

Assistant Professor
School of Public
Administration





First Nations Health Authority
Health through wellness



Making a difference...together



***First Nations'
Emergency Services Society***
O F B R I T I S H C O L U M B I A



UNIVERSITY
OF VICTORIA



Ministry of
Health

Funding Provided by



Advisory Circle

Kristopher Peters, FNESS

Casey Neathway, FNHA

Caitlin Buxton-Carr, FNHA

**Kirsten Mah, CRD Healthy
Communities Planner, Community
Health Network**

What barriers
prevent access to
public space for
vulnerable
communities
during extreme
weather events?



The elements are:

relationships

co-creation

connection

lived-experience

dynamic

mini-public



GOVERNANCE & DECISION-MAKING

ACCOUNTABILITY

LOCAL & INDIGENOUS KNOWLEDGE

We only have one main highway, that's one of our major barriers.

DELAYS

FUNDING

SAFE SPACES

Our smaller communities, they don't have the budget to do prep work.

PRIORITIES

- ☒ Safety
- ☒ Trust
- ☒ Design

OPEN TO ALL

MOBILITY

NATURAL INFRASTRUCTURE

NATURAL

ACCESSIBILITY

hours of operation

PROVINCIAL
REGIONAL
LOCAL

COORDINATION

EMERGENCY PREPAREDNESS & COMMUNITY RESILIENCE

EMERGENCY PLANNING

CO-CREATION

COLLABORATION

CARE

Where there were bridges, there's no water coming through... like the droughts.

COOLING & WARMING CENTRES

COMMUNICATION & ENGAGEMENT



Reliable INTERNET CONNECTION

ACCESS TO INFORMATION

EMERGENCY PLANS

CAPACITY & HUMAN RESOURCES

TRAINING GAPS

STAFF BURNOUT

Volunteer Networks!

TIMELY

ALERTS

& RESPONSES

EARLY WARNING SYSTEMS

CARE RESEARCH PROJECT
Illustrated by LAKSHYATA KUMARI

Preliminary Observations

Dynamic & Flexible

-  Full-Scope of Emergency Management Phases
-  Complexity of Poly-Crises triggered by event
-  Bridge resources to multiple-sectors, conditions, & phases
-  Communications Strategies

How Can You Support Our Work



Join in the Conversation & Share with Others:

REDcap Survey:

<https://redcap.link/climatecare>



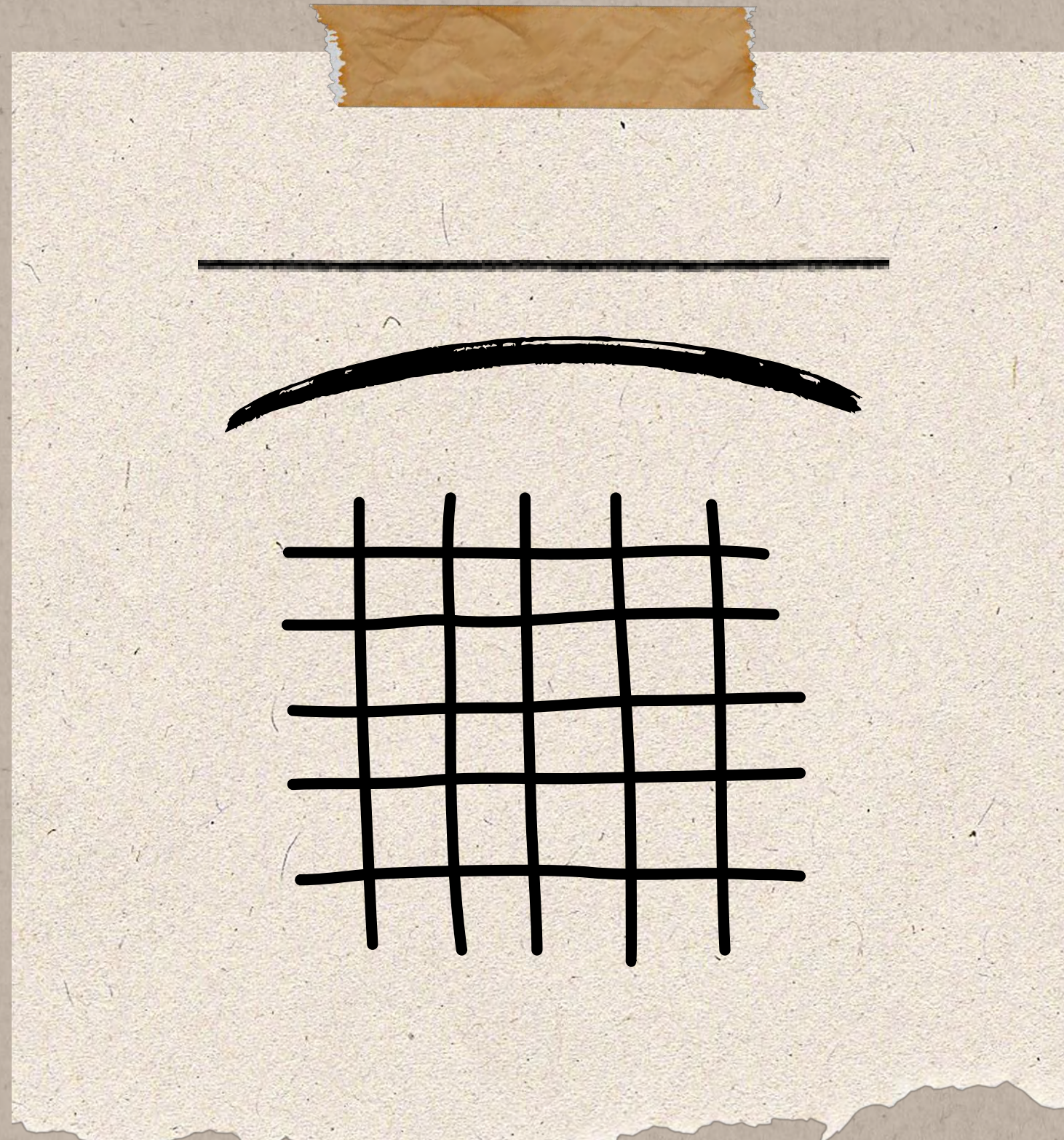
Stay in Touch

Email

climatecareuvic@gmail.com

Project Website

<https://onlineacademiccommunity.uvic.ca/care/>



Project References

- Bratu, A., Card, K. G., Closson, K., Aran, N., Marshall, C., Clayton, S., Gislason, M. K., Samji, H., Martin, G., Lem, M., Logie, C. H., Takaro, T. K., & Hogg, R. S. (2022). The 2021 Western North American heat dome increased climate change anxiety among British Columbians: Results from a natural experiment. *The Journal of Climate Change and Health*, 6, 100116. <https://doi.org/10.1016/j.joclim.2022.100116>
- Brousselle, A., Brunet-Jailly, E., Kennedy, C., Phillips, S. D., Quigley, K., & Roberts, A. (2020). Beyond COVID-19: Five commentaries on reimagining governance for future crises and resilience. *Canadian Public Administration*, 63(3), 369–408. <https://doi.org/10.1111/capa.12388>
- Costanza-Chock, S. (2020). *Design justice: Community-led practices to build the worlds we need*. The MIT Press.
- DeVault, M. L. (2006). Introduction: What is Institutional Ethnography? *Social Problems*, 53(3), 294–298.
- Ebi, K. L., Vanos, J., Baldwin, J. W., Bell, J. E., Hondula, D. M., Errett, N. A., Hayes, K., Reid, C. E., Saha, S., Spector, J., & Berry, P. (2021). Extreme Weather and Climate Change: Population Health and Health System Implications. *Annual Review of Public Health*, 42(1), 293–315. <https://doi.org/10.1146/annurev-publhealth-012420-105026>
- Extreme Heat and Human Mortality: A Review of Heat-Related Deaths in B.C. in Summer 2021*. (2022). [Report to the Chief Coroner of B.C.]. BC Coroners Service.
- Greenwood, D., & Levin, M. (2007). *Introduction to Action Research*. SAGE Publications, Inc. <https://doi.org/10.4135/9781412984614>
- Henderson, S. B., McLean, K. E., Lee, M. J., & Kosatsky, T. (2022). Analysis of community deaths during the catastrophic 2021 heat dome: Early evidence to inform the public health response during subsequent events in greater Vancouver, Canada. *Environmental Epidemiology*, 6(1), e189. <https://doi.org/10.1097/EE9.0000000000000189>
- Hoogeveen, D., Klein, K., Brubacher, J., & Gislason, M. K. (2021). *Climate Change, Intersectionality, and GBA+ in British Columbia* [Summary Report]. Shift, Simon Fraser University, Government of British Columbia.
- Israel, B. A. (Ed.). (2013). *Methods for community-based participatory research for health* (2. ed). Jossey-Bass.
- Pongsiri, M. J., Gatzweiler, F. W., Bassi, A. M., Haines, A., & Demassieux, F. (2017). The need for a systems approach to planetary health. *The Lancet Planetary Health*, 1(7), e257–e259. [https://doi.org/10.1016/S2542-5196\(17\)30116-X](https://doi.org/10.1016/S2542-5196(17)30116-X)
- Rankin, J. (2017). Conducting Analysis in Institutional Ethnography: Guidance and Cautions. *International Journal of Qualitative Methods*, 16(1), 160940691773447. <https://doi.org/10.1177/1609406917734472>
- Tetzlaff, E. J., Goulet, N., Gorman, M., Richardson, G. R. A., Enright, P. M., Meade, R. D., & Kenny, G. P. (2024). Hot Topic: A Systematic Review and Content Analysis of Heat-Related Messages During the 2021 Heat Dome in Canada. *Journal of Public Health Management and Practice*, 30(2), 295–305. <https://doi.org/10.1097/PHH.0000000000001817>
- Wiebe, S. M., & Mah, K. (2023a). *A Hot Topic: Feeling the Heat of B.C.'s Climate Emergency: Co-Creating Equity-Informed Emergency Planning and Climate Policy with Affected Communities to Address Extreme Heat Exposure in the Capital Regional District*. [Research Report]. University of Victoria and Capital Regional District Community Health Network.
- Wiebe, S. M., & Mah, K. (2023b). *Feeling the Impact of Extreme Heat: Community Response to Research Findings* [Research Report]. University of Victoria, Capital Regional District Community Health Network, SSHCR, and Michael Smith Health Research BC.
- Yumagulova, L., Okamoto, T., Crawford, E., & Klein, K. (2022). *Lived Experience of Extreme Heat in B.C.: Final Report to the Climate Action Secretariat* [Research Report]. Shift, Ursus.



Closing Conversation

