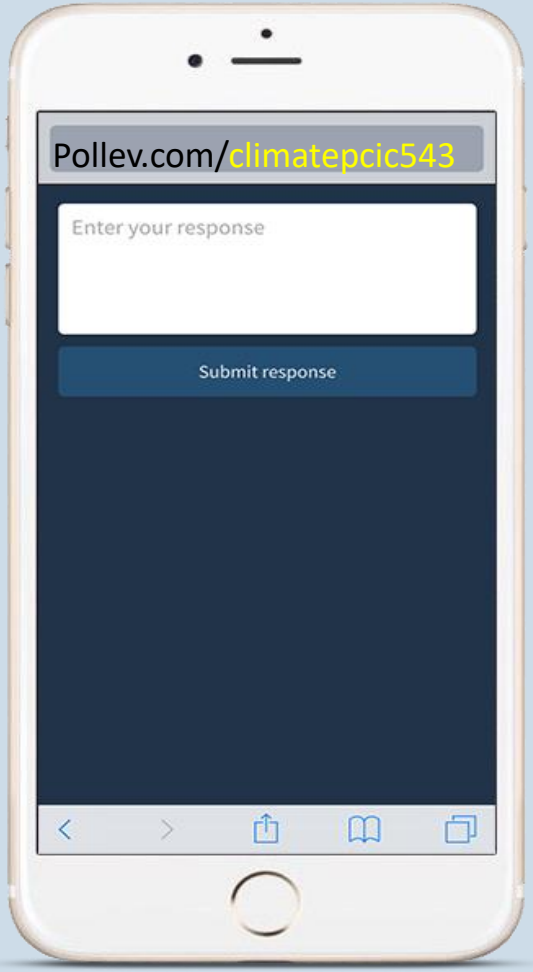
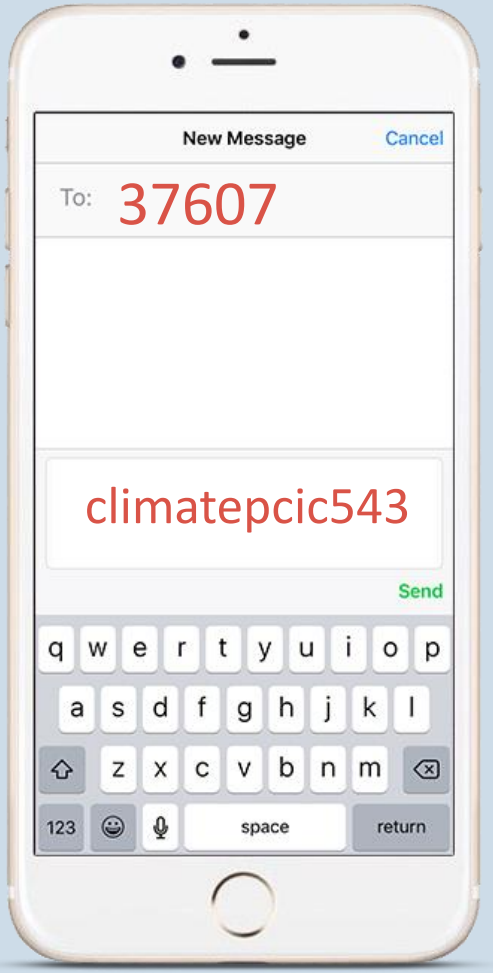
Responding with Poll Everywhere



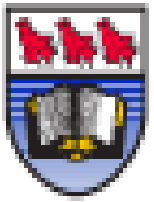
Web voting



Text voting

What are the most pressing issues you face in your work today?

Preparing for a changing climate



University of Victoria

26 November 2019
8th Annual Public Sector Climate Leadership Symposium
Vancouver, BC

Trevor Murdock

Nutrition Facts

Serving Size 1 presentation

Amount Per Serving	
Slides 60	Minutes 80
	% Daily Value*
Maps 2	0%
Plots 15	250%
Polling questions 4	150%
Photos 10	20%
Cartoons 0	0%
Humour	5% ?

* Percent Daily Values are based on a diet of one two-day symposium

Assessing risk based on future climate

is necessary,

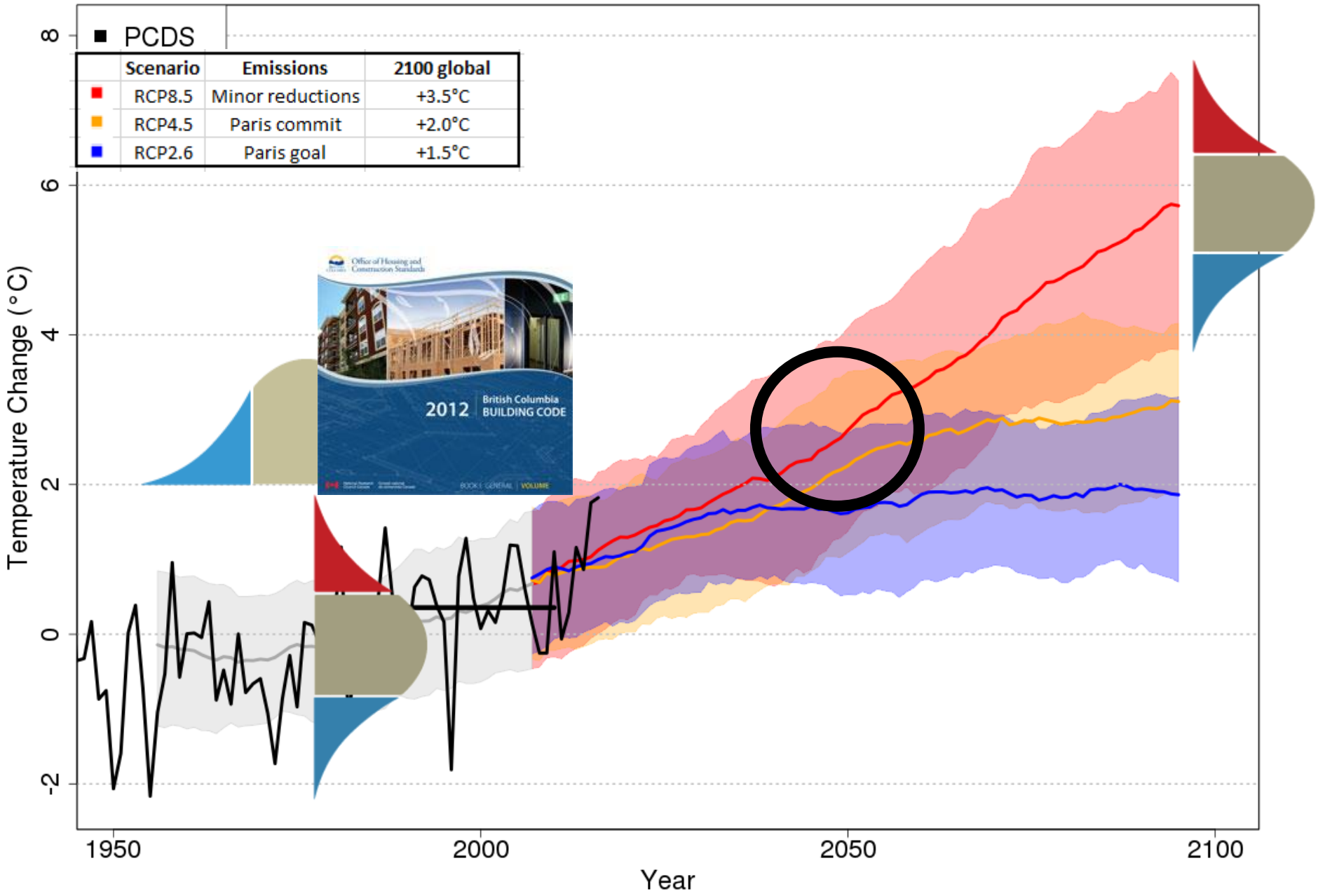
and possible,

and requires change.

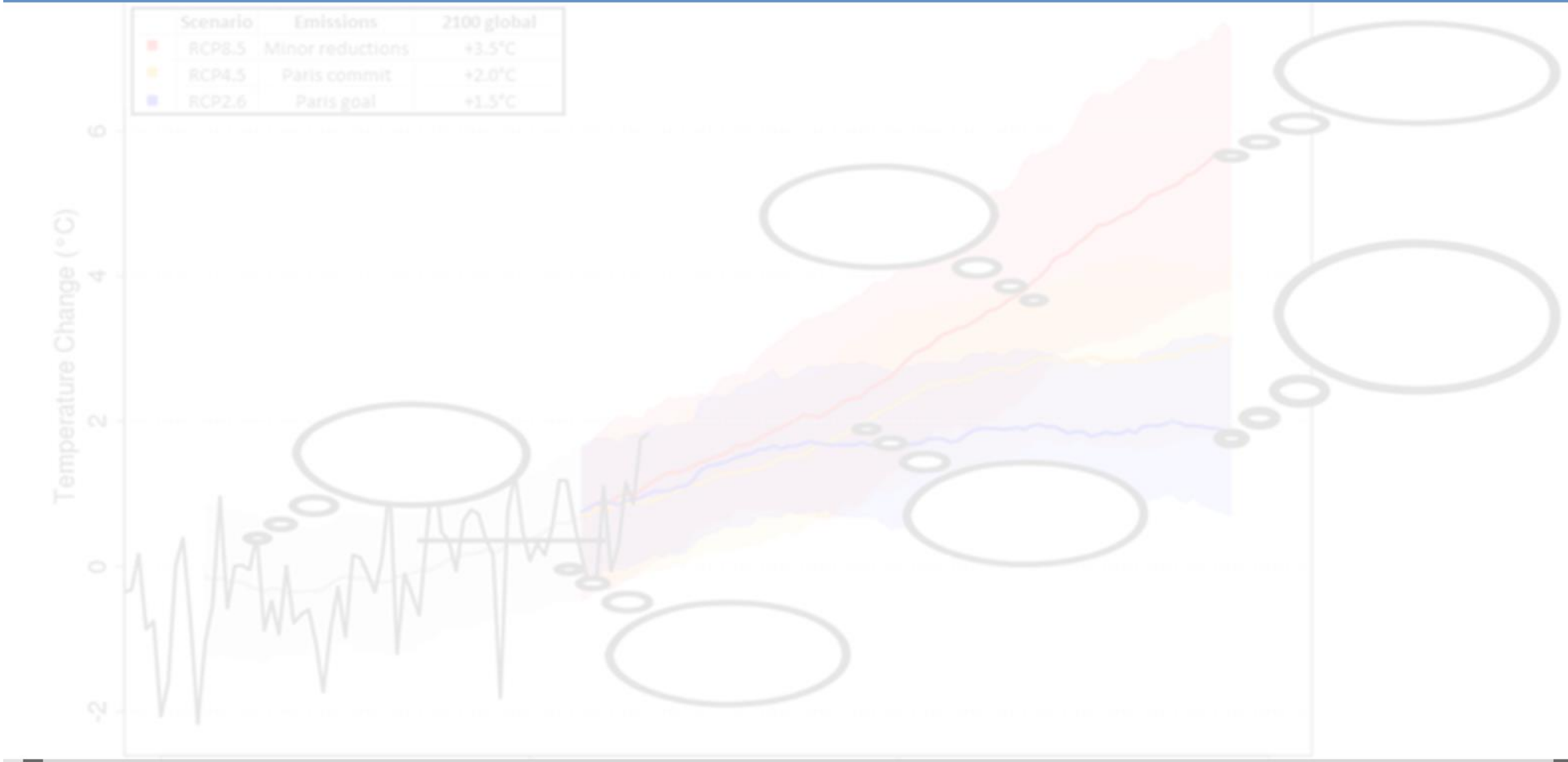
Resource: climate change in BC

www.bcacarn.com/educationseries/module-1-using-future-climate-projections/

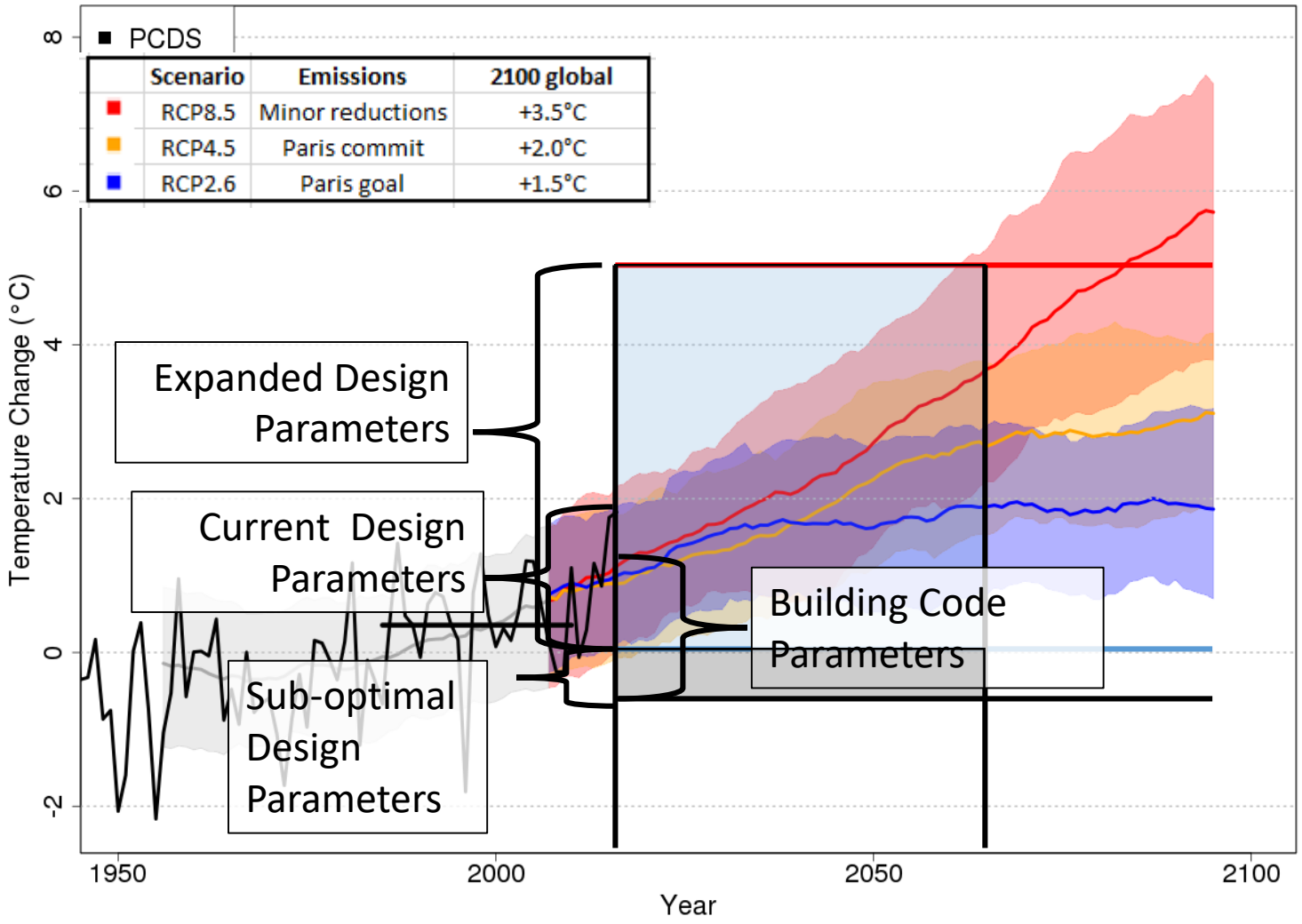
Future Warming in BC



What does this image tell us?



Climate Design Parameters



1. Past conditions not a good guide for future
2. Past conditions don't even represent today
3. Building code values use past → inadequate
4. Conditions keep changing with time in all but best case
5. Must accommodate wider range of conditions in all cases
6. 2050s cautious roughly equals 2070s optimistic

BC Building Code 2012

- “Climate is not static”
- “greenhouse gas emissions are expected to alter most climatic regimes in the future”
- “buildings will need to be designed, maintained, and operated to adequately withstand ever changing climate loads.”
- “The analysis generally assumes that the past climate will be representative of the future climate”

PACIFIC CLIMATE IMPACTS CONSORTIUM

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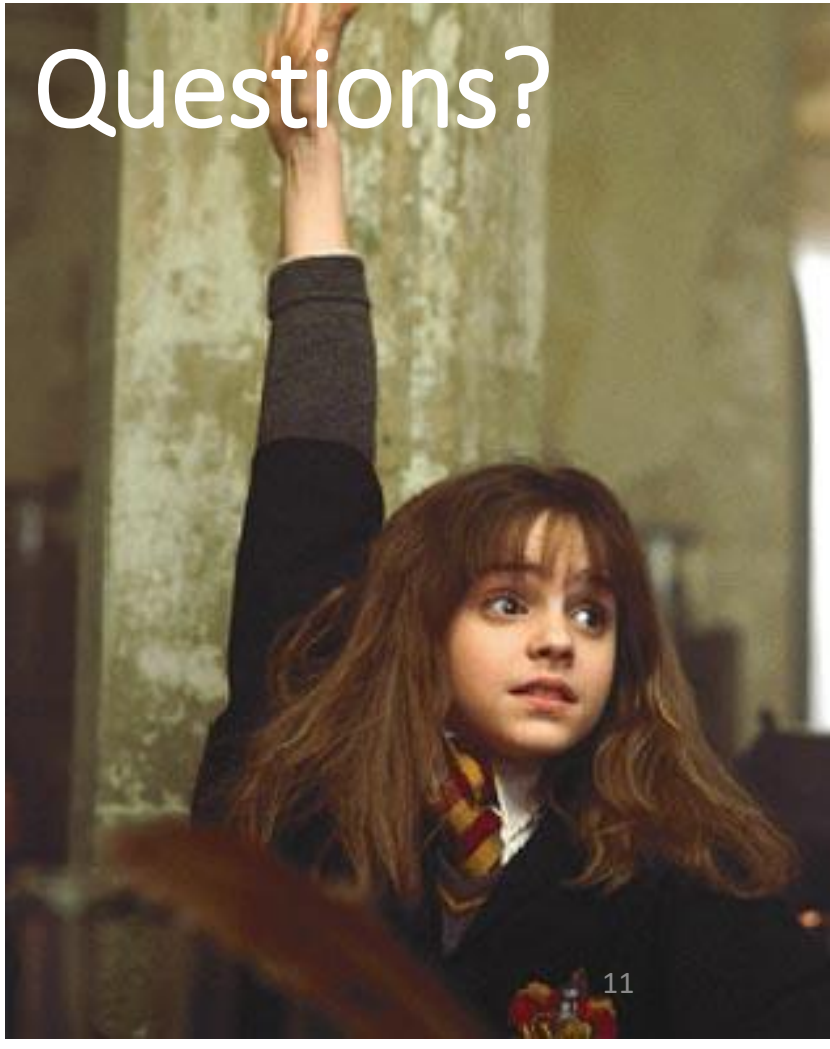
Thank you

More information
www.PacificClimate.org

Climate Insights 101
http://pics.uvic.ca/education/climate-insights-101#quicktabs-climate_insights_101=1

BC Agricultural Climate Adaptation Research Network
https://www.bcacarn.com/educationseries/module-1-using-future-climate-projections/

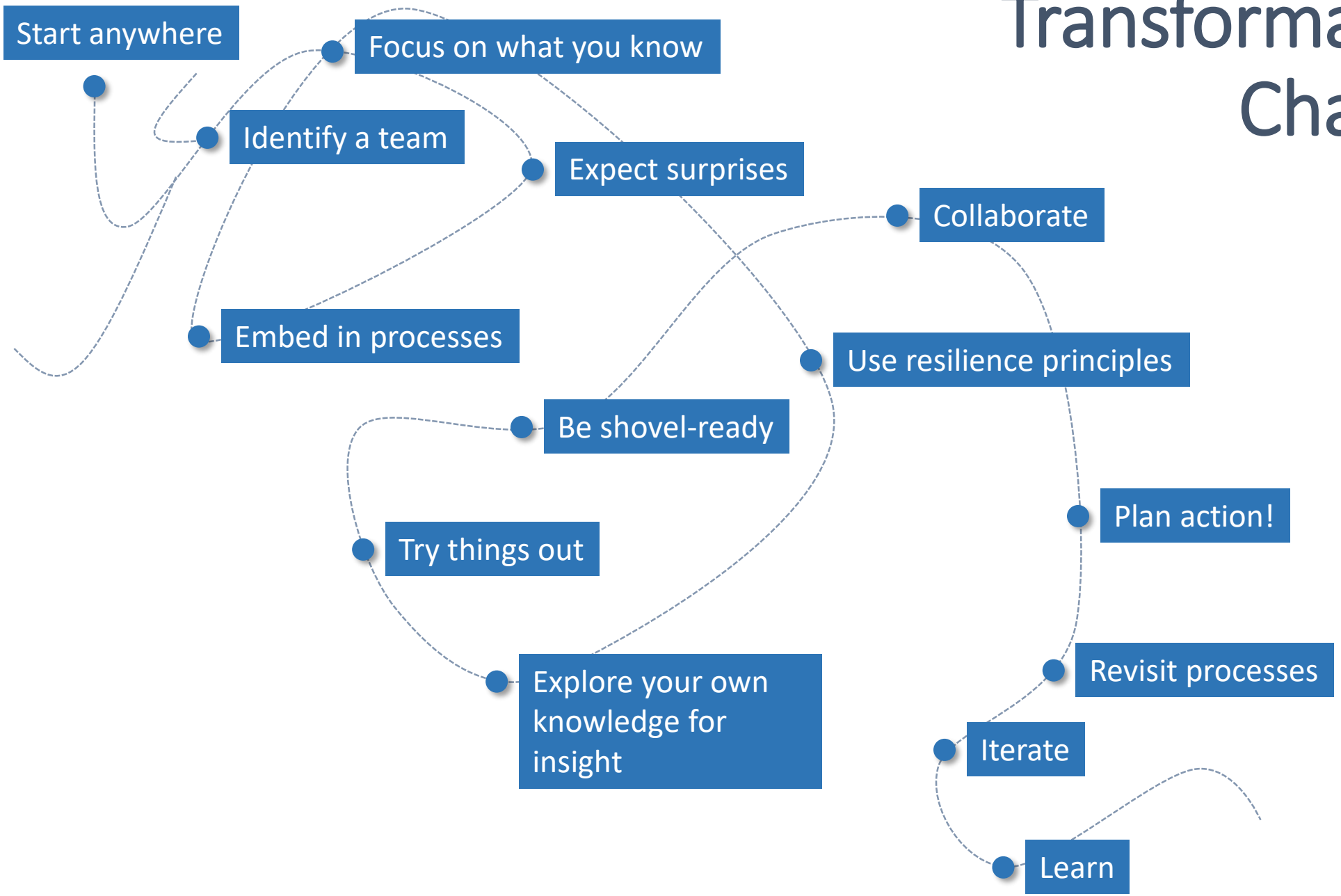


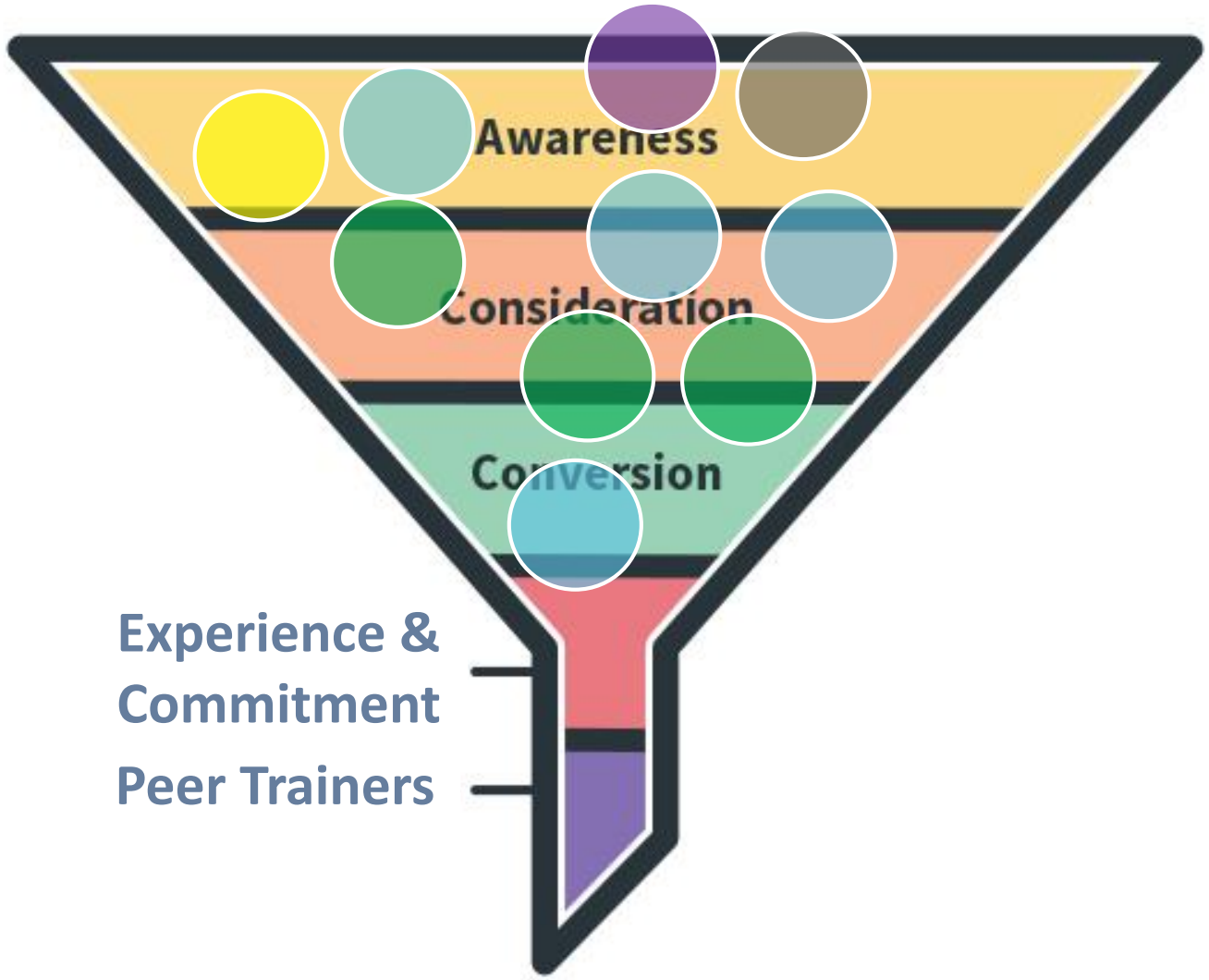
Now what?

26 November 2019
8th Annual Public Sector Climate Leadership Symposium
Vancouver, BC

Kari Tyler

Transformative Change





Location of Current Pilot Projects

- Vancouver
- North Shore
- Victoria
- Nelson
- Burnaby

MBAR
MOBILIZING
BUILDING ADAPTATION
AND RESILIENCE

Given what you've heard so far, what did you learn about your role in adaptation?

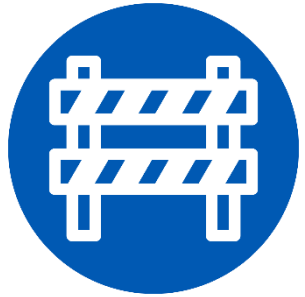
Mindset shifts to plan for climate change

“Stationarity is dead”

Plan for Resilience

“Restrictions breed creativity”

- *Mark Rosewater*



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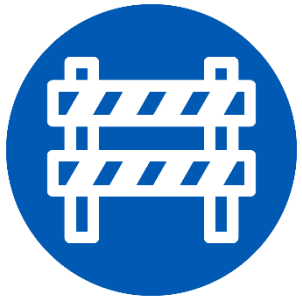

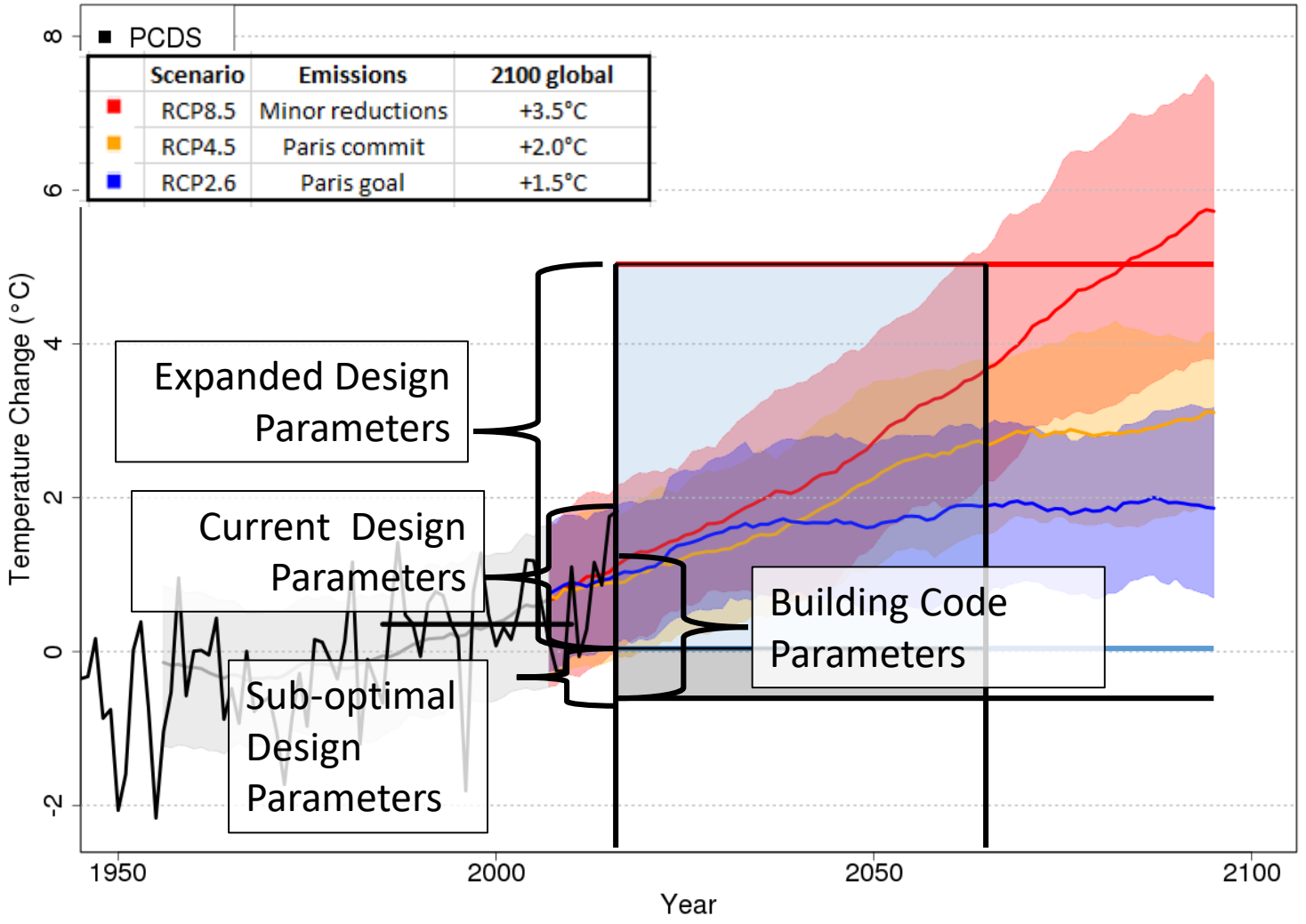

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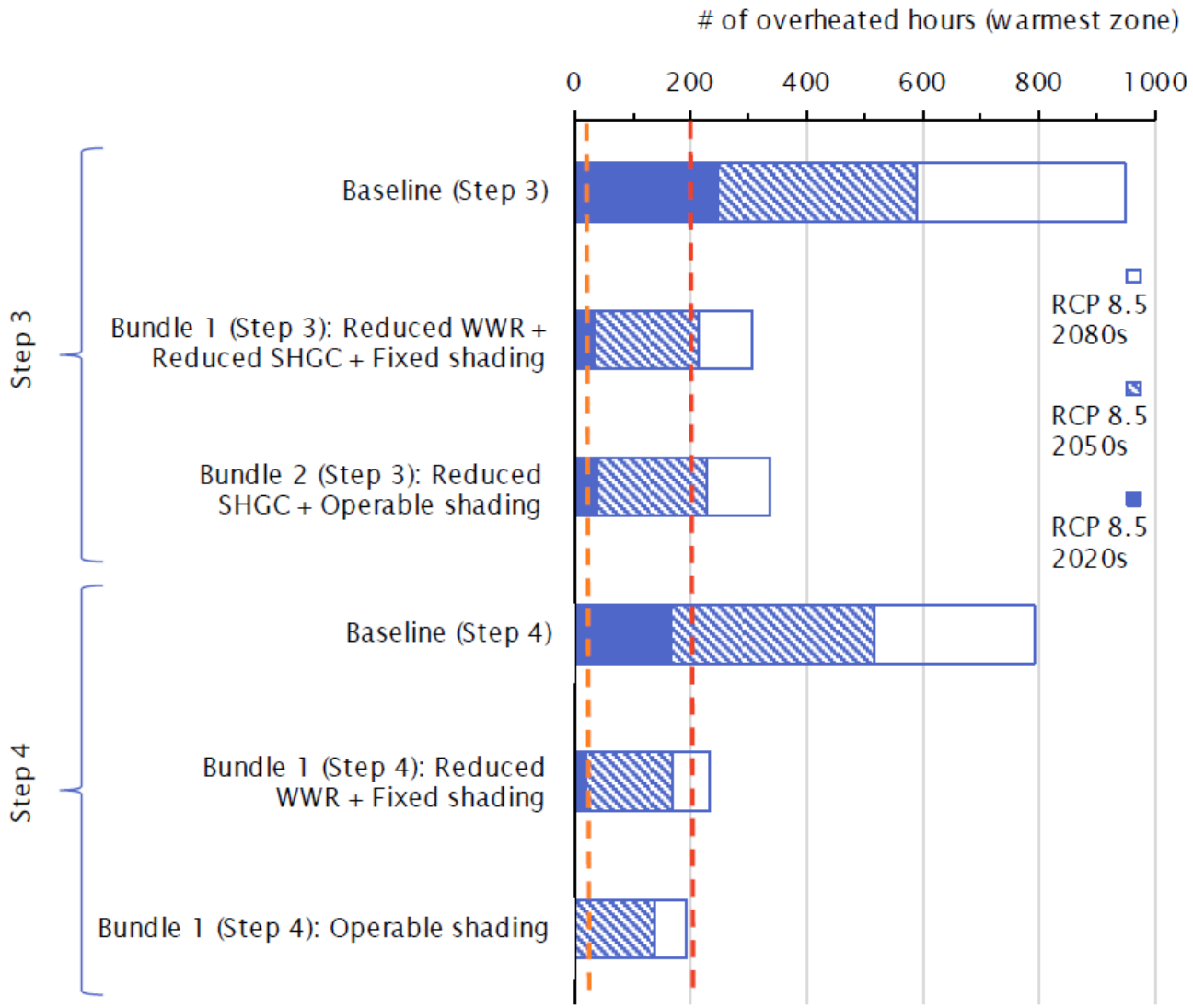
Resilience to Summer Heating Events: New Low Rise Archetype



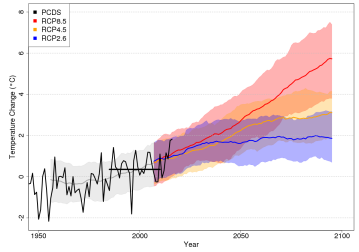
Draft Results

Weather Files Training and Engagement

www.pacificclimate.org/data/weather-files

- Engage with energy modellers & their colleagues
- Training workshops
- Feedback to inform design of web portal; what info, where?
- Coming spring 2020

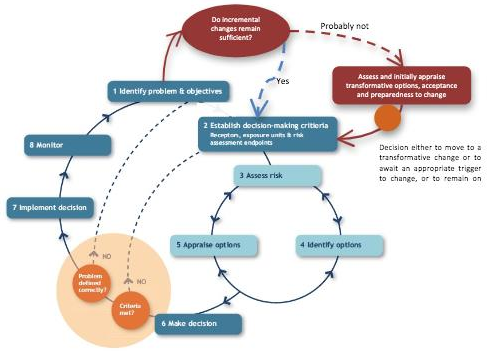
Best Practices for Adaptation to Enable Resilience



- Start using future projections

- Expect future climate information to be imperfect or incomplete

- Talk to people with different roles



- Iterate: learn, rinse, repeat, learn, bump, turn, keep going, try again…

What is an action you can take to help the integrate future climate projections into your work?

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University of Victoria
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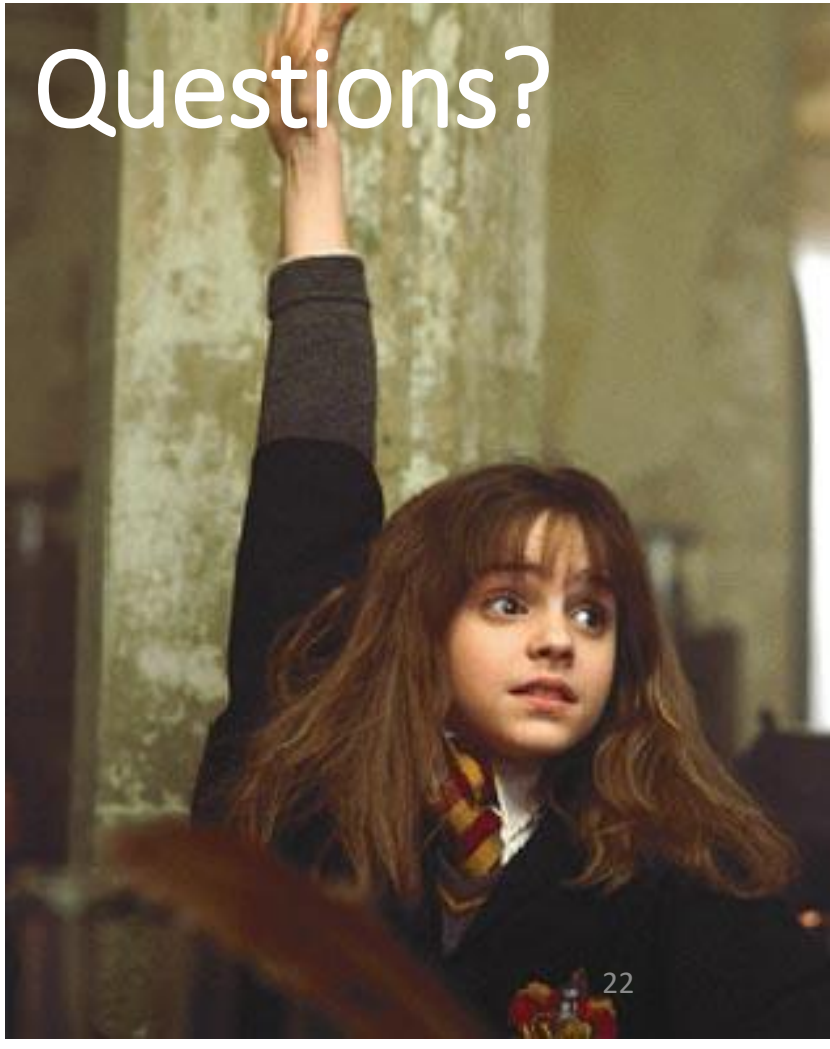
Thank you

tmurdock@uvic.ca

ktyler@uvic.ca

www.PacificClimate.org



Resource – BC climate projections reports

Metro Vancouver

Capital Regional District

Cowichan Valley Regional District

Vancouver Coastal Health

BC Agriculture & Food Climate Action Initiative

Resource: online tools

Resources to accompany BC Regional Adaptation Collaborative webinar
30 November 2016

Plan2Adapt http://pacificclimate.org/analysis-tools/plan2adapt

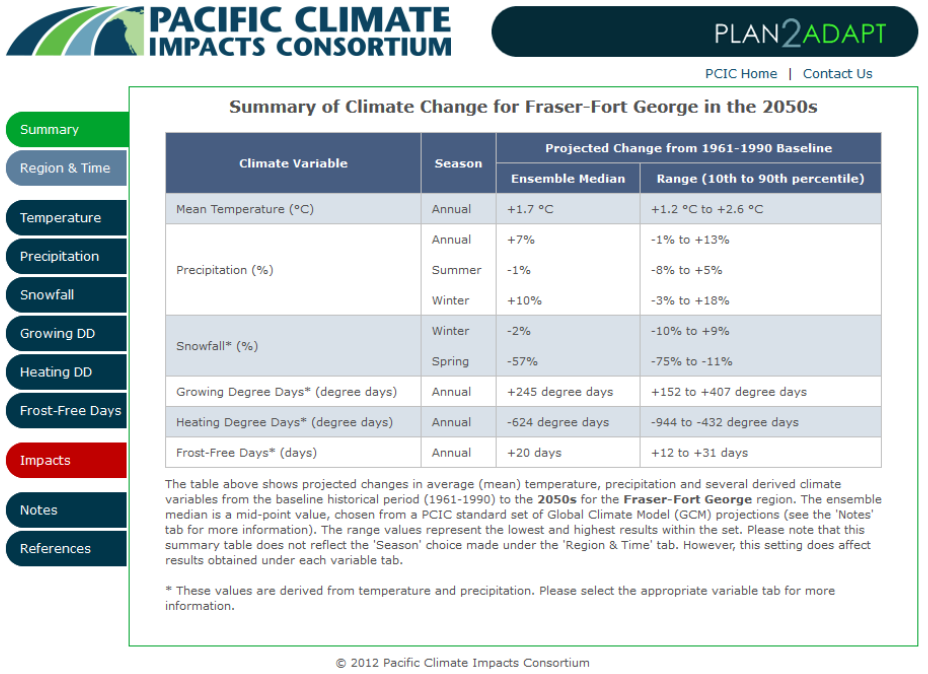
PICS short course http://pics.uvic.ca/education/climate-insights-101#quicktabs-climate_insights_101=1

ClimateBC

- **HectaresBC** http://www.hectaresbc.org
- **ClimateWNA** http://genetics.forestry.ubc.ca/cfgc/ClimateWNA/ClimateWNA.html
- **ClimateBC Online** http://www.genetics.forestry.ubc.ca/cfcg/ClimateBC40/Default.aspx
- **BC Climate Explorer** http://www.bc-climate-explorer.org/

PCIC Data Portals https://pacificclimate.org/data

Data Basin
https://nplcc.databasin.org/galleries/5a3a424b36ba4b63b10b8170ea0c915e#expand=105363%2C106698%2C106712%2C110010%2C105359%2C105364



https://pacificclimate.org/news-and-events/news/2016/webinar-climate-tools

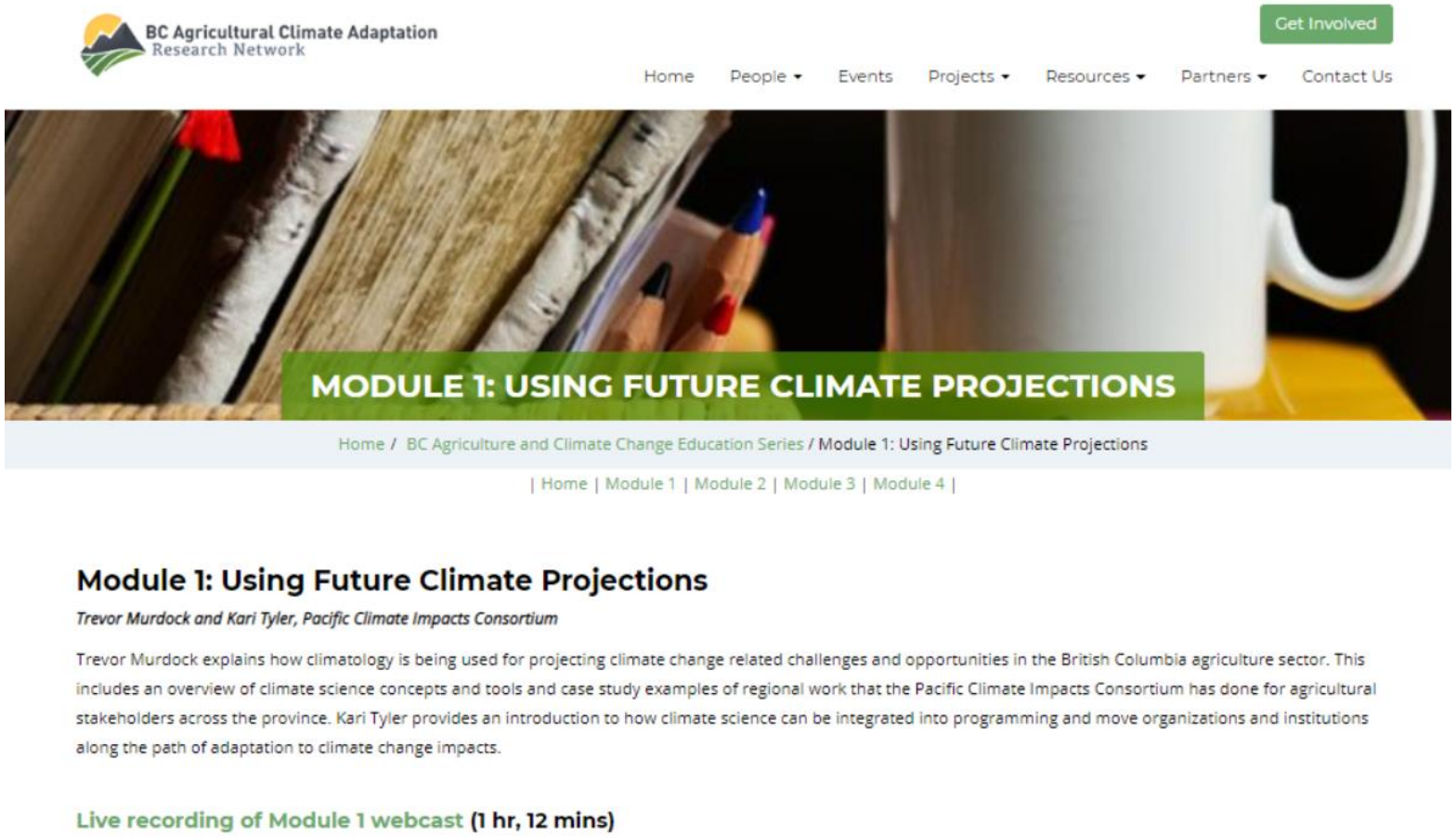
Resource – guidance documents

BC Ministry of Transportation and Infrastructure Technical Circular

EGBC guidance document

National guidebook on climate scenarios

Resource: review



www.bcacarn.com/educationseries/module-1-using-future-climate-projections/

Resource: inspiring climate action

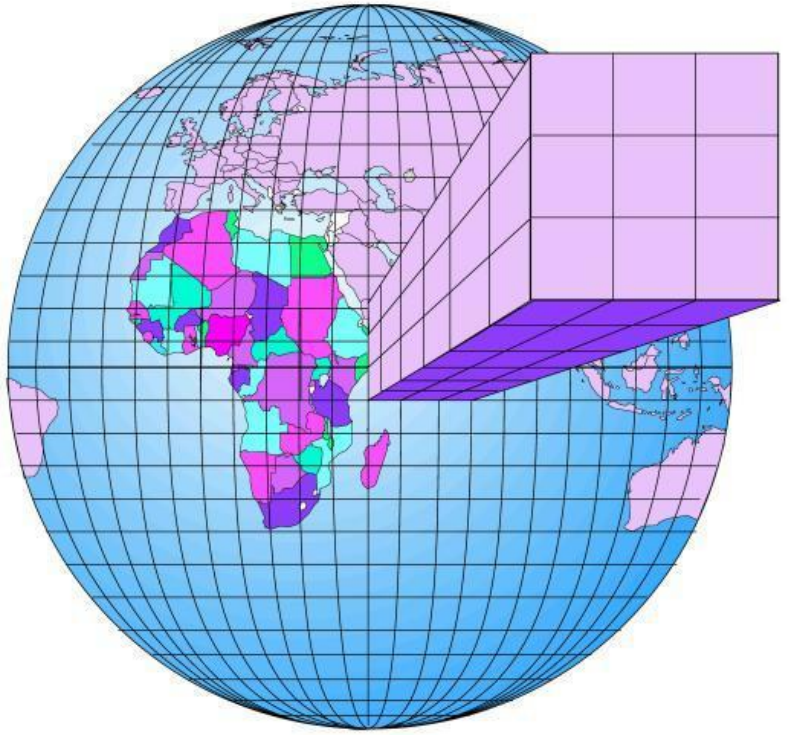
The ResiliencebyDesign Lab's **Inspiring Climate Action (ICA)** project has just launched its website. This site will be a hub for connecting those interested in climate adaptation in BC and beyond.

www.royalroads.ca/current-students/news/inspiring-climate-action-project-website

Resource: What are Global Climate Models?

- Mathematical representations of the global climate system
- Used to understand and predict changes in the global climate system
- GCMs are the

  "…only credible tools currently available for simulating the physical processes that determine global climate..." [IPCC]

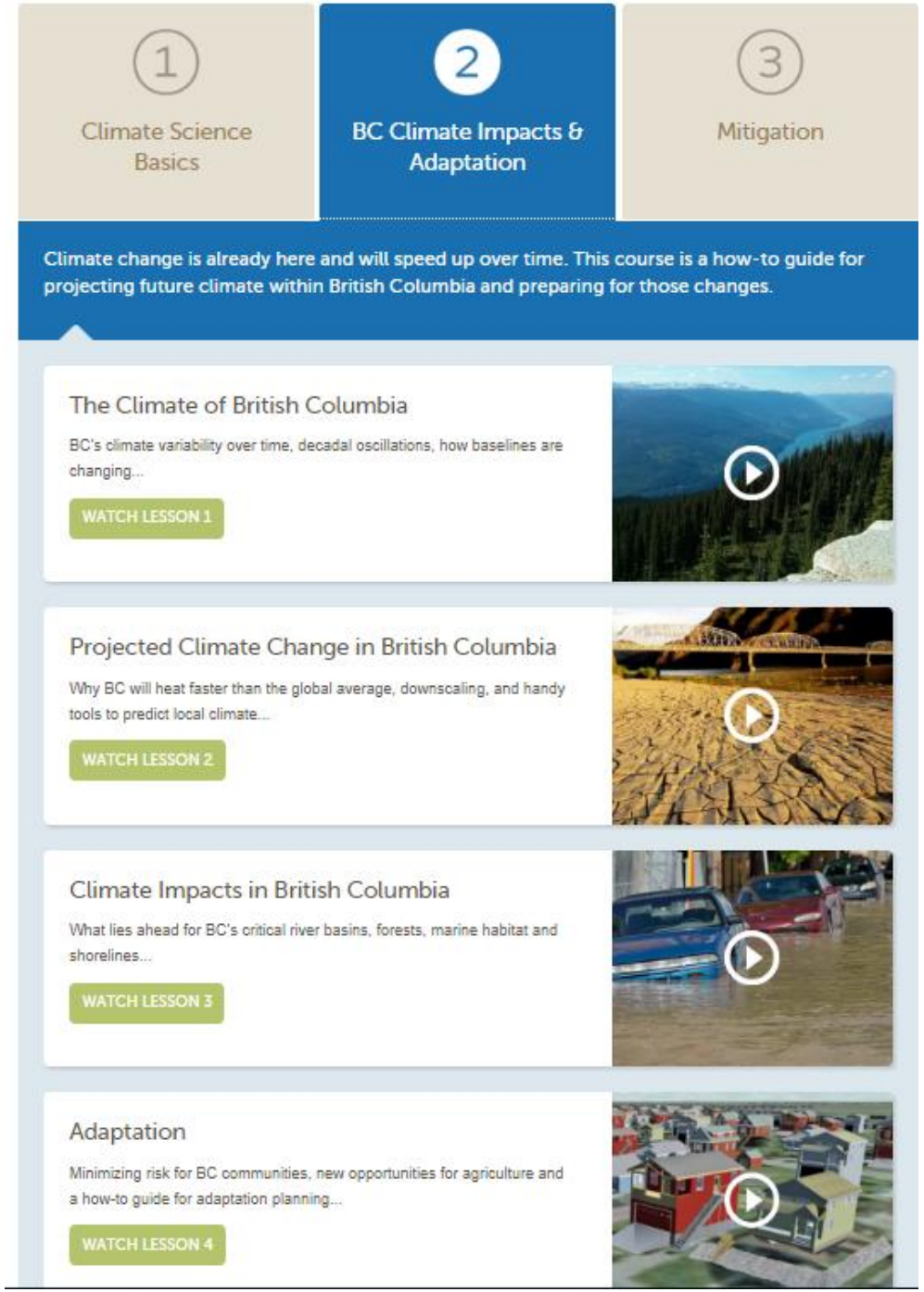


https://pics.uvic.ca/insights/module1_lesson4/player.html

Figure courtesy John Fyfe, CCCma

Resource:

[PICS climate insights 101]



Resource: general climate education

https://www.youtube.com/channel/UCi6RkdaEqgRVKi3AzidF4ow

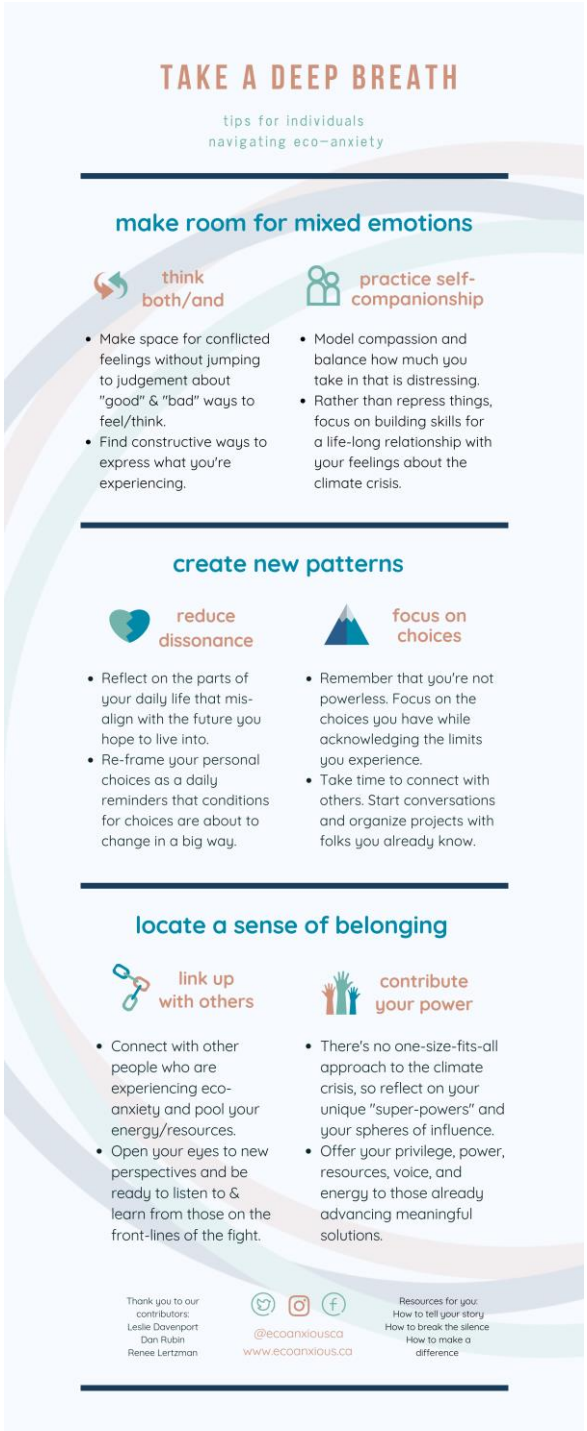
Resource:

[CBC Podcast]

Resource: what to do with all the climate feels

EcoAnxious.ca

twitter.com/EcoAnxiousCa



TAKE A DEEP BREATH

tips for individuals
navigating eco-anxiety

make room for mixed emotions

think both/and

- Make space for conflicted feelings without jumping to judgement about "good" & "bad" ways to feel/think.
- Find constructive ways to express what you're experiencing.

practice self-companionship

- Model compassion and balance how much you take in that is distressing.
- Rather than repress things, focus on building skills for a life-long relationship with your feelings about the climate crisis.

create new patterns

reduce dissonance

- Reflect on the parts of your daily life that mis-align with the future you hope to live into.
- Re-frame your personal choices as a daily reminders that conditions for choices are about to change in a big way.

focus on choices

- Remember that you're not powerless. Focus on the choices you have while acknowledging the limits you experience.
- Take time to connect with others. Start conversations and organize projects with folks you already know.

locate a sense of belonging

link up with others

- Connect with other people who are experiencing eco-anxiety and pool your energy/resources.
- Open your eyes to new perspectives and be ready to listen to & learn from those on the front-lines of the fight.

contribute your power

- There's no one-size-fits-all approach to the climate crisis, so reflect on your unique "super-powers" and your spheres of influence.
- Offer your privilege, power, resources, voice, and energy to those already advancing meaningful solutions.

Thank you to our contributors:
Leslie Davenport
Dan Rubin
Renee Lertzman

@ecoanxiousca
www.ecoanxious.ca

Resources for you:
How to tell your story
How to break the silence
How to make a difference

START A CONVERSATION

tips for groups
navigating eco-anxiety

create space to share

come together

- Create opportunities for people to express their conflicted feelings without judgement about the proper way to process.
- Offer tools for working through complex feelings and thoughts.

prioritize group dynamics

- Put care and intention into the space you create for sharing about eco-anxiety.
- Establish boundaries for a safe environment, such as confidentiality, respecting others, speaking only for yourself & sharing the air.

make actions tangible

connect the dots

- Draw connections between global impacts of the climate crisis and the local-level experience.
- Highlight values that are shared between folks in the group and explore how those values relate to collective climate action.

point to barriers

- Acknowledge barriers to meaningful action, like built environments, political structures, and cultural norms.
- Discuss policy changes, local efforts, and new systems that would make it easier to act.

explore multisolving

focus on systems

- Analyze the systems that contribute to the conditions for our choices individually and collectively.
- Pay attention to the voices of people who study systems and of those disadvantaged by systems.

identify intersection

- Talk about how multi-level, overlapping problems offer a chance for multi-level, overlapping solutions.
- Explore how taking ambitious action on the climate crisis could improve life for those currently under-served by today's systems and structures.

Inspired by works from:
Leslie Davenport
Climate Interactive
Mary Anaise Heglar
and many more

@ecoanxiousca
www.ecoanxious.ca

Resources for you:
How to tell your story
How to break the silence
How to make a difference

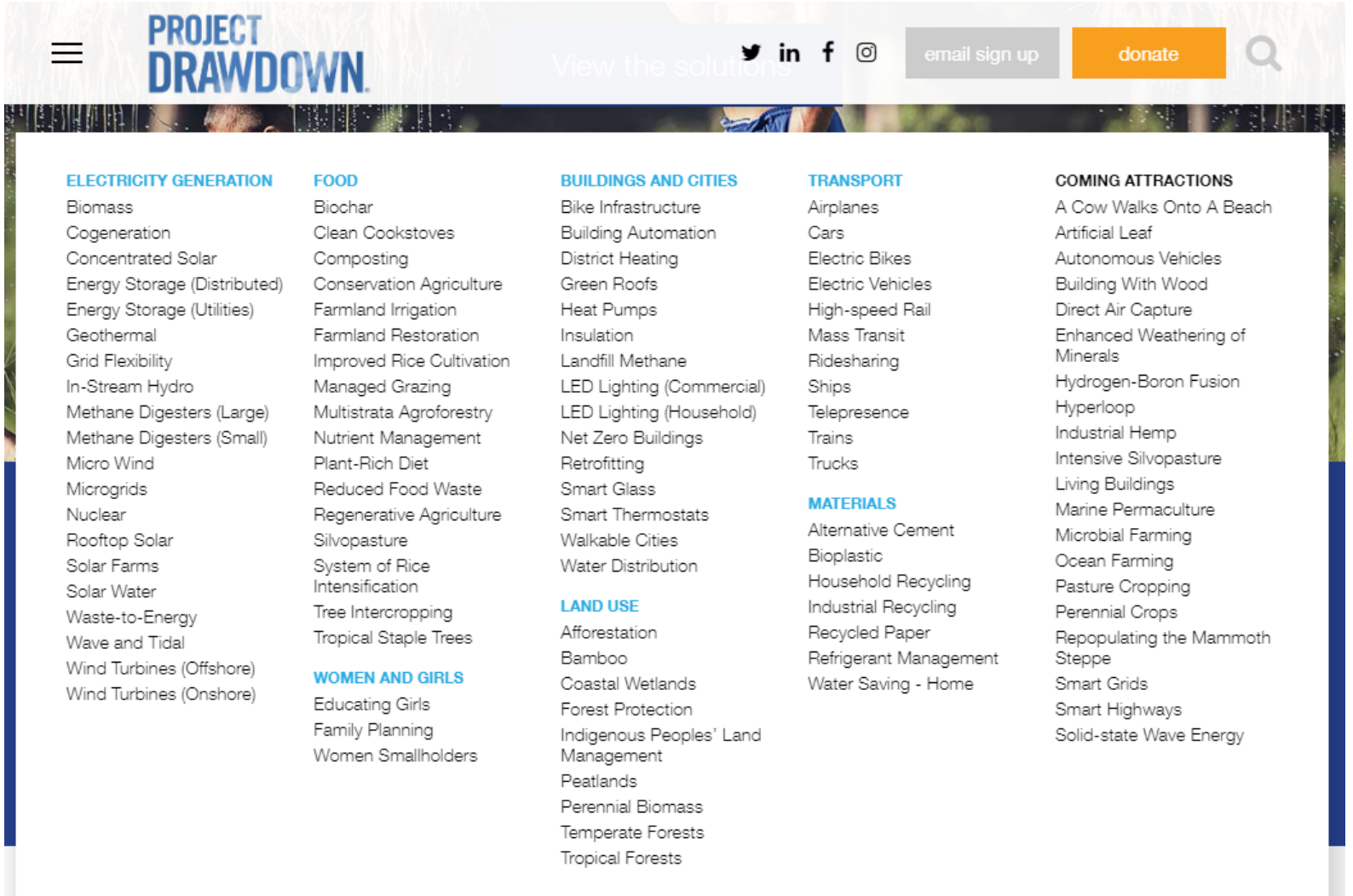
Resource: reducing emissions

OUTRAGE AND OPTIMISM

globaloptimism.com/podcast

Resource: reducing emissions

Drawdown.org



Resource: myth busting

SkepticalScience.com

Resource: climate denial logical fallacies

CrankyUncle.com