

# Who governs flood risk management?

Jason Thistlethwaite PhD  
Flood Policy Research Group (FPRG)

School of Environment, Enterprise and Development (SEED)



Foley Restoration via Twitter



Ashley Burke, CBC News

**2017 floods in Bradford, Ottawa-Gatineau**

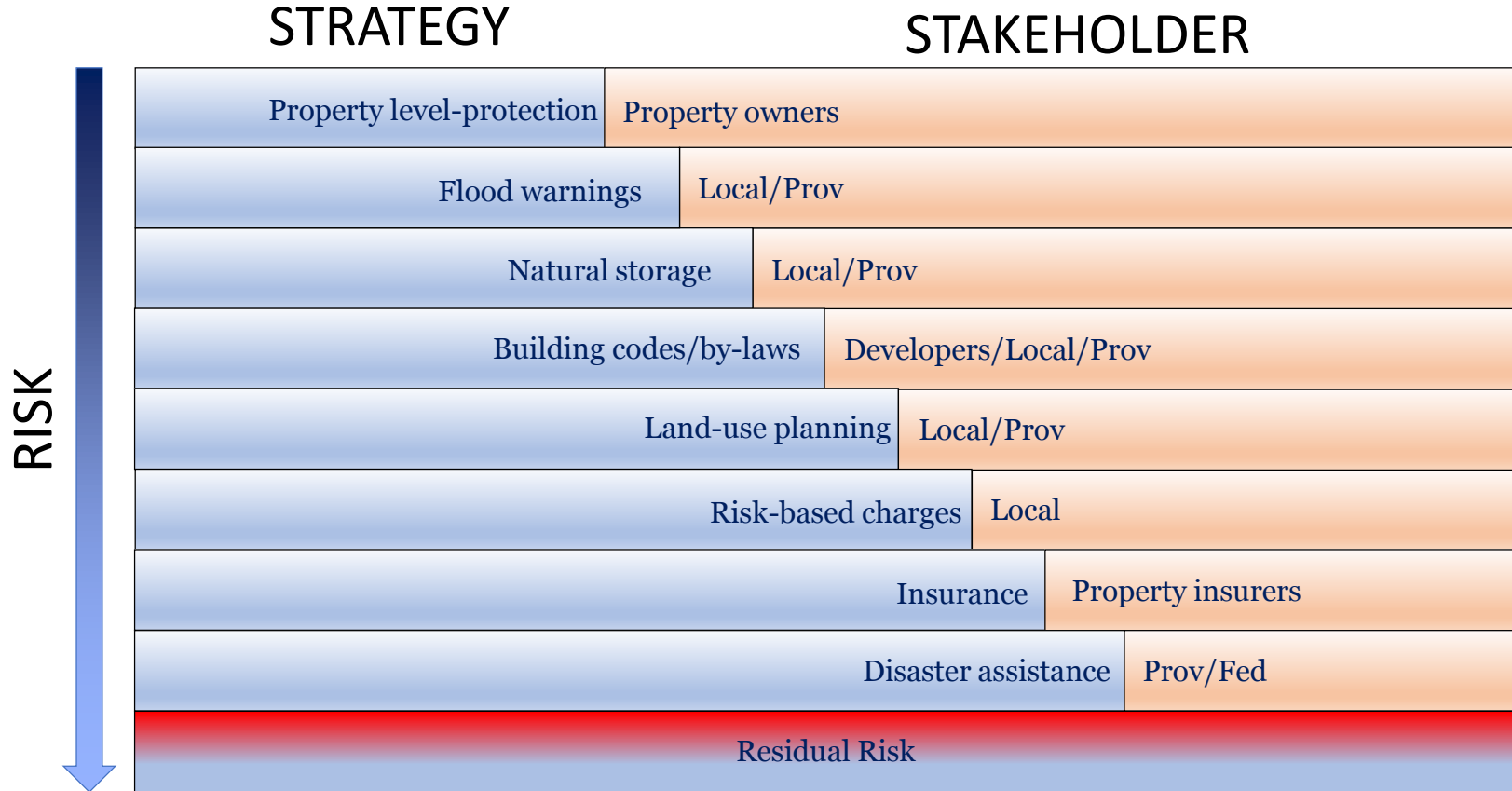
# Canada's flood responsibility gap

Without arrangement of responsibility with a legitimate justification:

1. Risk management strategies are ineffective
2. Risk management faces political opposition



# Who should do what, and why?



# We want property owners to do more . .

Responsibility to mitigate flood risk being passed down to homeowners and municipalities

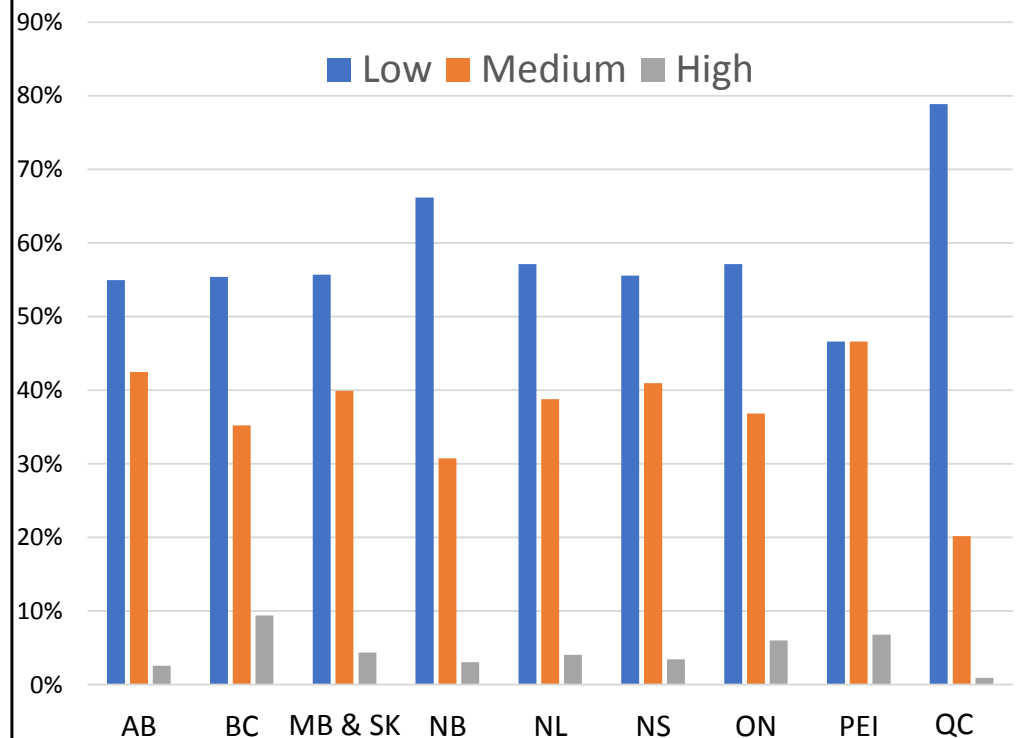
- Federal disaster assistance less available
- Flood insurance new in Canada (but not in high-risk areas)
- Encouraging property-level flood protection (e.g. subsidies, by-laws).



# . . . but they won't

- 94% were unaware they lived in high risk areas.
- Less than 30% protect their property.
- Insufficient willingness-to-pay for insurance and protection

How concerned are you about flood risk to your current home?



\*these respondents live in high risk areas



# The responsibility gap

## STRATEGY

## STAKEHOLDER



# Developing Canada's flood risk governance arrangements



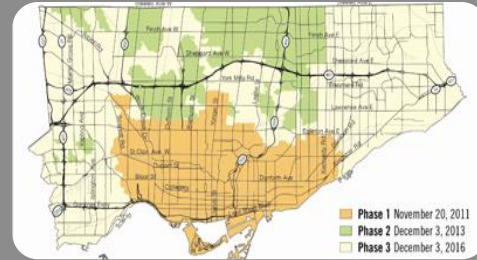
## 1. 3-D visualizations of flood risk

- climate change scenarios for flood risk at community level



## 2. Risk dialogues

- Stakeholder and public engagement to assess social acceptability of risk



## 3. Risk strategies

- who does what and how based on risk tolerance

# Thank You!

**Jason Thistlethwaite**  
Assistant Professor  
[j2thistl@uwaterloo.ca](mailto:j2thistl@uwaterloo.ca)  
@jasonthistle



[uwaterloo.ca/ccrf](http://uwaterloo.ca/ccrf)



National Flood Risk Roundtable, 2017/11

