Flood Risk Governance in Canada



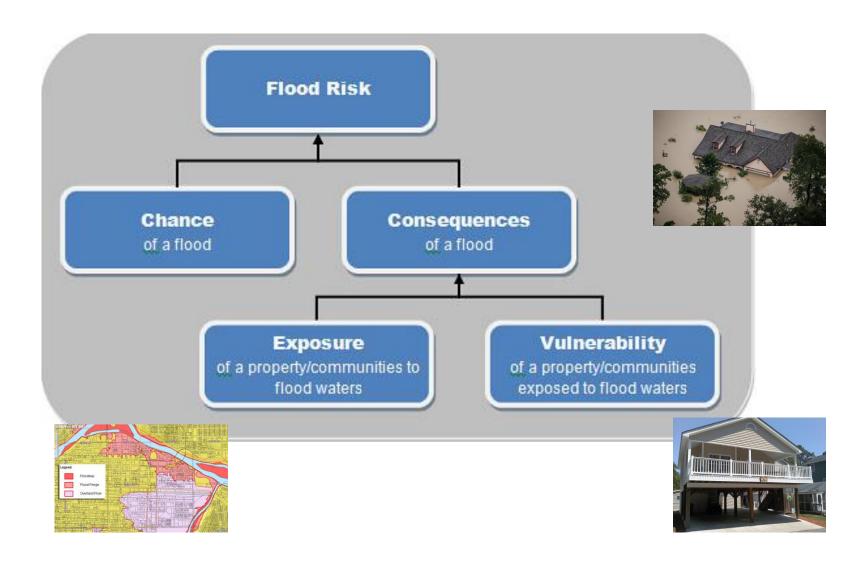
2017 floods in Bradford, Ottawa-Gatineau







Flood Risk



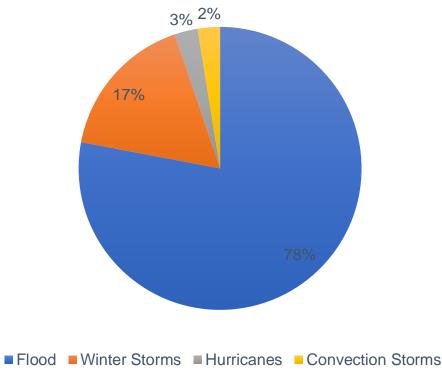




Why Flood Risk?

- most costly and common hazard
- increasing disaster assistance / insurance costs
- outdated defenses
- legal liability growing

Historical DFAA Payments by Catastrophe 1970-2014



(adapted from PBO 2016)





Flood Risk Management

- integrated strategy to reduce flood risk by
 - engaging stakeholders
 - coordinating public and private efforts
 - using a mix of policy instruments

Principles

- absolute protection is impossible
- informed by risk assessment
- clarify and share responsibility
- openly communicate flood risk



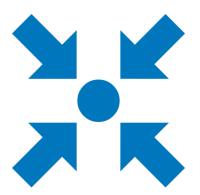






Flood Risk Governance

- policy coordination to implement FRM
 - setting strategic goals
 - negotiating roles and responsibilities
 - aligning policy instruments
 - allocating resources



Objectives

- strengthen societal flood resilience
- achieve efficiency of resources and alignment of efforts
- enhance the legitimacy of FRM





Flood Risk Governance in Canada

- focused on defense and recovery
- instruments mainly technical (hydrologic modelling; river forecasting)
- Model Observed

- government-dominated
- actors work at cross-purposes



- governments hesitant to share flood risk information
- property owners perceive little responsibility







Thank you

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Policy Brief No. 116 - September 2017

Flood Risk and Shared Responsibility in Canada:

Operating on Flawed Assumptions?

Daniel Henstra and Jason Thistlethwaite

Key Point

 Floods cause more property damage than any other hazard in Canada, and water-related losses now exceed fire and theft as the main source of property insurance claims.

- Public spending on flood relief has grown, and is projected to increase dramatically over the next decade, so governments have been changing their policies to reduce their financial exposure by shifting responsibility to homeowners.
- An implicit assumption of this policy shift is the individual homeowners must shar greater responsibility for protecting their property by purchasing newly available flood insurance. Evidence is presented suggesting that consumer demand for flood insurance may be insufficient for economic viability. Low tisk perception and a moral huszard created by government disaster assistance limit incentives for purchasing insurance.

Introduction

Flooding is the most coatly source of prospety damage in Camada, and has surpassed life and the principal source of property insurance claims (ROMG 2015, Outlahor 2015, Public Safety, Camada 2015). Flood damage is expected to increase considerably in the finume, as a result of expanding unbased need-sponent and more frequent extreme weather traggered by climate change (Cherquit et al. 2015, Kindbacket et al. 2015, Flooding is currently responsible for mently 80 percent of all government disaster assistance costs, and it is projected that programma disaster assistance or and its projected that programma climater assistance or an article of the programma of the proposed programma of the programma

the federal and provincial governments have recognized their exacting financial liability and have begints or adjust their exacting financial liability and have begints or adjust floor imagement policies, for able changes part of floor approximation of the control of the control of the higher expense thresholds for federal dissert assistance, renewed public declaration efforts, and finantify for flood maps, risk assessments and small errorural procession projects to mitigate frond damages. An implied assumption of this policy shift is that individual homeoweners must have governed to the control of the policy shift in the form of the policy shift is that individual borneoweners.

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Policy Brief No. 121 - December 2017

Engaging Canadians in Flood Risk Management

Lessons from the International Community

Jason Thistlethwaite, Daniel Henstra, Andrea Minano and Sarah Wilkinson

Key Points

- Flood risk management is most effective when responsibilities are defined and shared among stakeholders, and when citizens feel personal responsibility to reduce their flood risk.
- International experience shows that effective public engagement starts at the community level, but must be supported by accurate and locally relevant flood risk information.
- Canada needs a strategy to engage Canadians in flood risk management that involves educating them about personal and community flood risks and encouraging them to take responsibility to protect themselves and their property from floods.

Introduction

In recent years, unprecedented flooding has caused billions of dollars in damages across Canada. The 2017 spring floods in British Columbia, Ontario, Quebec and the Maritimes served as a reminder that flooding is a national issue that deserves attention from governments, private stakeholders and the public (Bradley 2017; CBC 2017a; Canadian Press 2017). These events revealed that Canadians are typically unaware of their flood risk and are caught off-guard by the economic burden that flooding imposes. In eastern Ontario, for example, it was only after their properties were flooded that cottage owners discovered that damages to secondary residences are ineligible for financial compensation through the province's disaster assistance program (Fagan 2017). Similarly, after widespread basement flooding in Windsor, Ontario, 40 percent of affected homeowners were denied financial assistance, while another 40 percent of claims remain in limbo (CBC 2017b). Too often, property owners are left to pay out-of-pocket for repairs and restoration, which can amount to tens of thousands of dollars, depending on the severity of the damage and the value of the property and its contents (Beeby 2017).

Centre for International Governance Innovation

Policy Brief No. 131 - May 2018

Buyer Beware: Evaluating Property Disclosure as a Tool to Support Flood Risk Management

Daniel Henstra and Jason Thistlethwaite

Key Points

- Property disclosure offers a potential tool by which buyers could become informed about a home's history of flood damage and its exposure to flutter flood risk.
- Property disclosure to inform buyers about flood hazards has been entrenched in public policy in many other jurisdictions, but this approach has not been embraced in Canada.
- An effective flood risk property disclosure regime requires accurate, up-to-date and publicly available flood risk maps, clarification of legal Hability associated with disclosures and a neutral third party to prepare and distribute property disclosure information.

Introduction

Flood risk management is a strategic framework that moves modifying the probability and swertiny of looding through presentive measures, while also reducing the through present the measures, while also reducing the post property of lood-related impacts (Alexander, Priest and Mees 2016). In Canada, all levels of government have begun embracing plant assessment as the basis for setting procession priorities, combining multiple policy instruments to evoke fored risk (such as a the basis for setting processor priorities, combining multiple gooding through the priorities of the probability of the properties of the produced priorities of the probability of the properties of the old protection priorities also considered as a key principle of flood risk imagement; since absolute potential producing its impossible, ackeloiders time-bulley individual property owners) must accept some responsability by for example, knowing therefood risk, subscribing to and beeding flood warnings, and adopting property sheet flood presection measures (Segure et al. 2015).

In order for individual property owners to play a meaningful role, they must be made aware of their property flood risk and accept that they have note in managing it. In Importing public awareness of flood risk is an animportant step toward meeting Canadá's commitment to the Sendal Farnaviori on Distaster fest & Rendrico. This is not to the Sendal Farnaviori on Distaster fest & Rendrico. This is distantiated in the sendantial contraction of the sendant







