

Climate Crisis Impacts & Opportunities for Real Estate in BC

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Who am I?

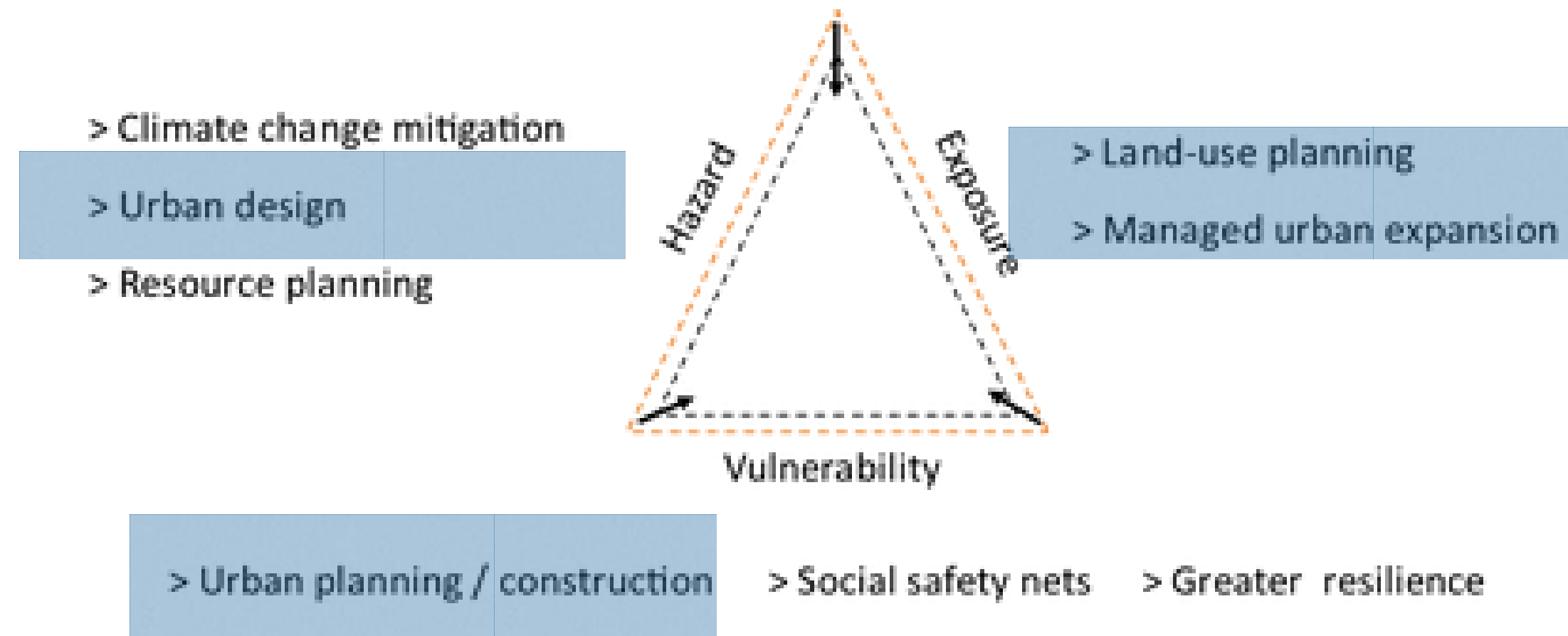
- Led development of the CoV EQ Strategy
- Spearheaded Regional Microzonation Mapping for the Lower Mainland
- Support to the Regional Flood Strategy development (LMFMS)
- Support Local Authorities re: Adaptation (CCA) Planning
- Pre-Disaster Recovery Planning for the Lower Fraser
- BC EQ Integrated Asset Management Plan
- Lead organization of URBC symposiums (bridging gaps b/t science, policy, action and across hazards), creating of a hub for resilience planning in SW BC



A riskier future



An equally / less risky future



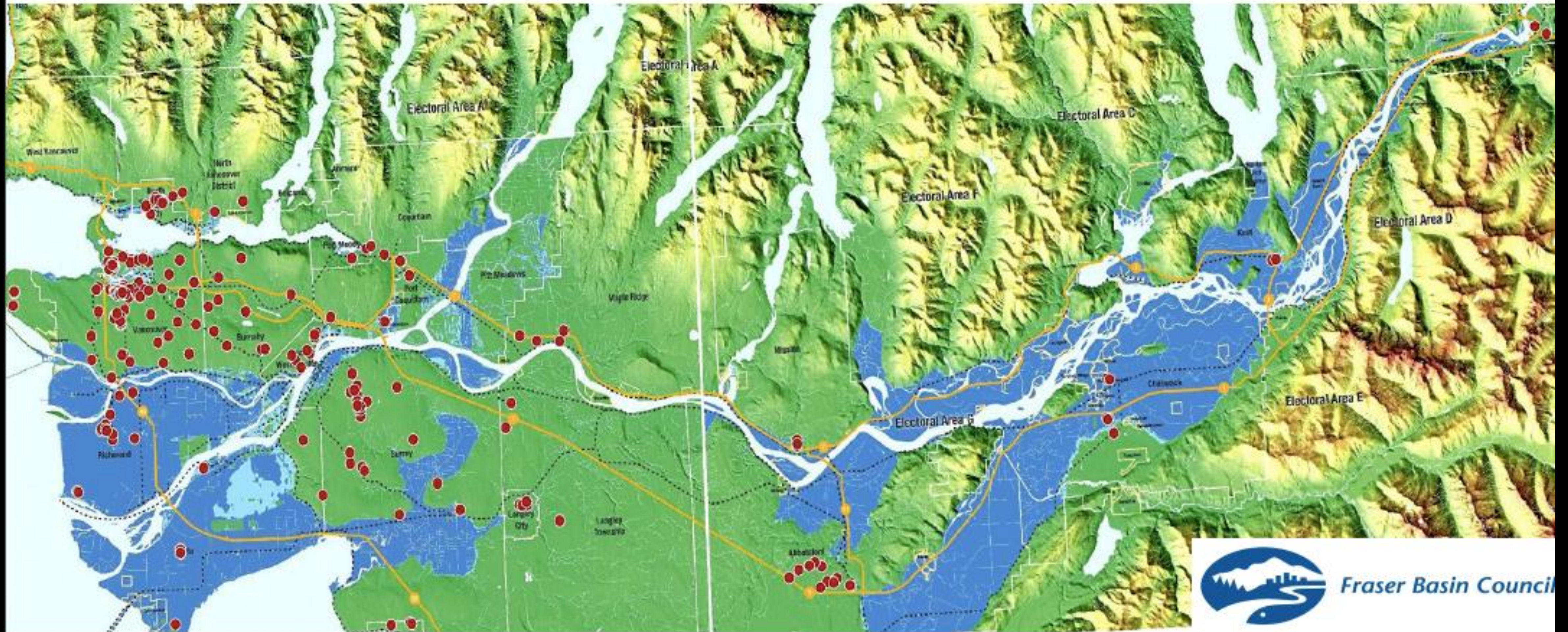
Navigating the Pathway to a Less Risky Future: Resilience Planning

- **Assess Risk:** Open Risk Modelling: Hazard, Exposure, People (SoVI)
- **Communicate Risk:** maps/GIS interfaces, storytelling, incentives
- **Reduce and Manage Risk:** *Stop new risk, reduce existing risk, manage residual risk, active risk transfer*
- **Prepare to Respond, Recover & Build Back Better**



Southwest BC: As Hazardous as it is Beautiful?

Flood Hazard in 2100



Other Climate Hazards: 'Nice to Have' is quickly becoming a 'Must Do'

Moody's Warns Cities to Address Climate Risks or Face Downgrades


By **Christopher Flavelle**
November 29, 2017, 1:00 AM PST
From **Climate Changed**

PAN-CANADIAN FRAMEWORK



on Clean Growth and Climate Change

Canada's Plan to Address Climate Change and Grow the Economy



A Report for Government and British Columbians
Addressing the New Normal: 21st Century Disaster Management in British Columbia
Report and findings of the BC Flood and Wildfire Review: an independent review examining the



MANAGING CLIMATE CHANGE RISKS:
AN INDEPENDENT AUDIT

www.bcauditor.com

Resilience Ratings are Coming/are Here.... Are you Prepared?



THE NEXT ECONOMY

Redfin Now Provides Climate-Risk Data for Prospective Home Purchases

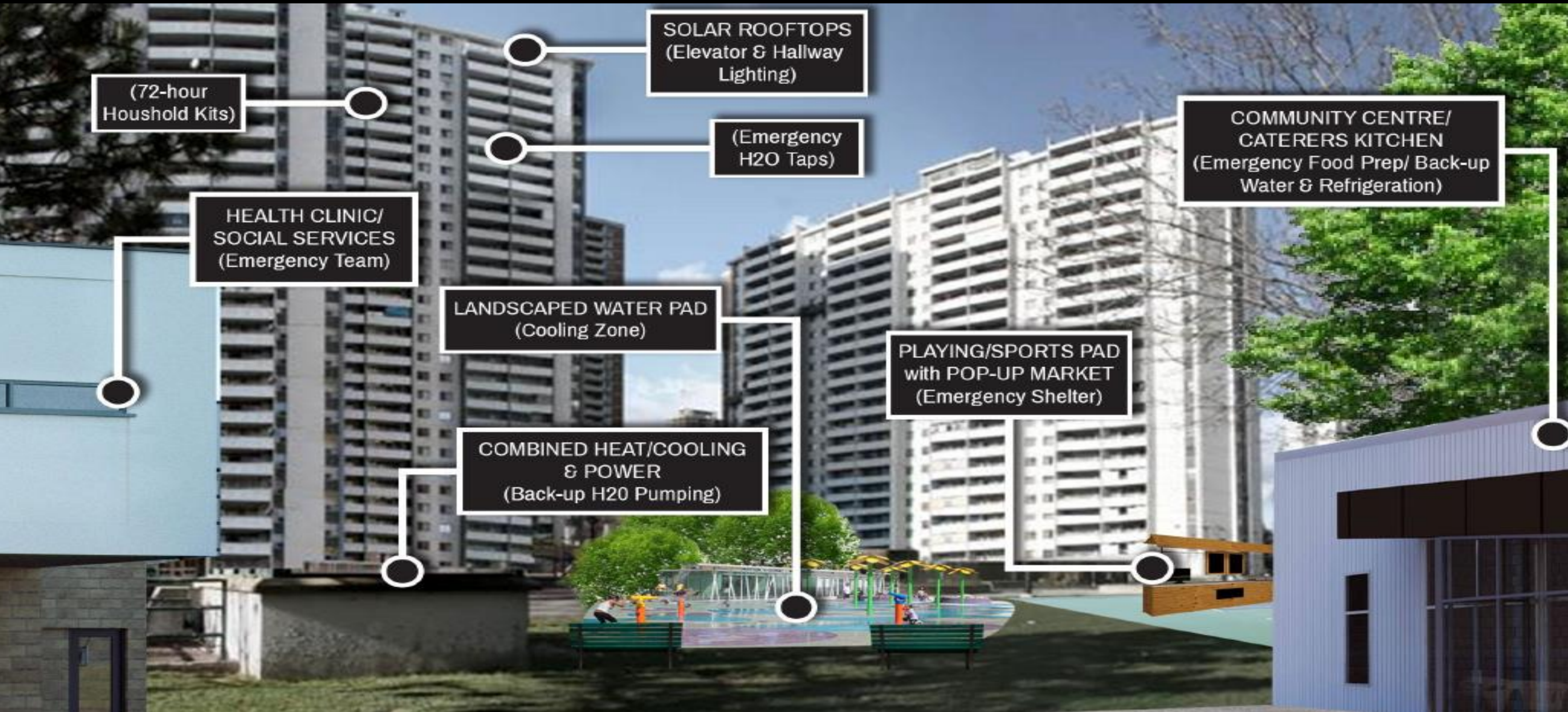
Insurance--->
Mortgages--->
Real Estate
Transactions



Resilience Strategies: A Whole of Society Approach

- **Land Use Planning:** adding density in safer areas, managed retreat from highest hazard areas (as opposed to current unmanaged retreat/stranded assets)
- **Architecture & Construction Practices:** resilient and performance-based designs (PBD) for new builds and retrofits
- **Local Area Redevelopment:** as a way to tackle clusters of high-risk buildings and related infrastructure, need developers on board with new approaches, need incentives
- **Design Competitions:** reimagining public spaces and amenities for low carbon resilience / using ecosystem based-management

Local Area Redevelopment



SLR Adaptation Planning

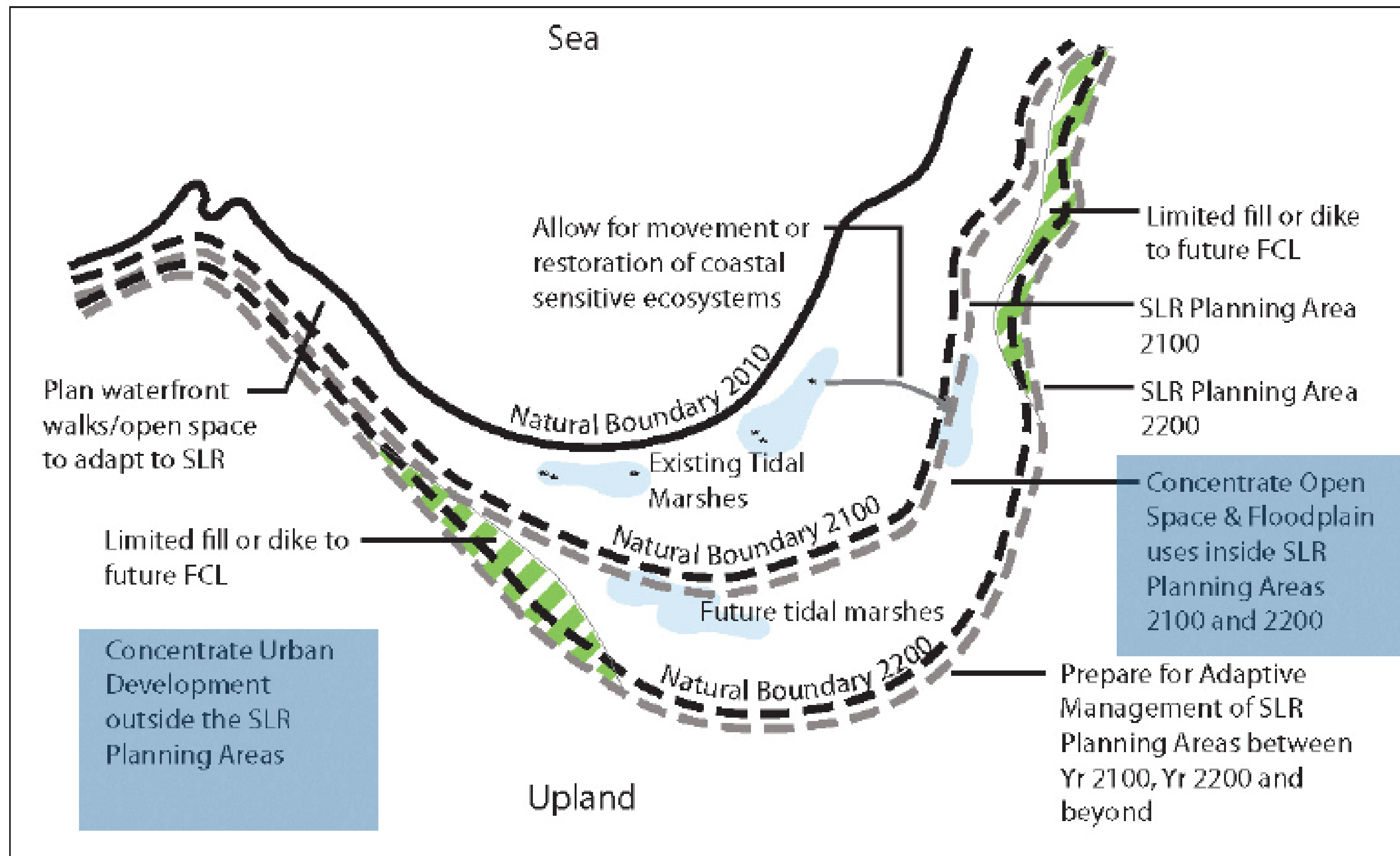


Figure 4-7: Concept Plan of Typical Planning Responses to SLR

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Thank you!

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