RESILIENCE PATHWAYS

Natural Resources Canada | Ressources naturelles Canada

Canada

Canadian Safety and Security Program

BC Resilienc

Proposed List of Topics (*titles are not finalized)*

Executive Summary: A Policy Note	
Chapter 1. Setting the Context	
1.1	Hishukish tsawalk (everything is one, everything is connected: Risk is interconnected to the system of the world we live in
1.2	Socio-economic and risk profile of BC
1.3	What is disaster risk reduction and why it matters for long term development
Chapter 2. Understanding Climate and Disaster Risk	
2.1	Introduction to Understanding Disaster Risk: Sendai Framework's Priority 1
2.2	Hazard risk in past, present, future (FN)
2.3	Earthquake
2.4	Tsunami
2.5	Urban Flooding
2.6	River Flooding
2.7	Coastal Flooding
2.8	Drought
2.9	Landslide
2.10	Extreme Windstorm
2.11	Extreme weather events- Cold Wave and Heat Wave
2.12	Extreme weather events- Snowstorm, hailstorm, frosts
2.13	Wildfire
2.14	Avalanche
2.15	Industrial accidents and oil spills
2.16	Biological
2.17	Understanding multi-hazard and multi-risk dynamics
2.18	Concluding notes
Chapter 3. Status of Disaster and Climate Risk Management in BC	
3.1	Disaster and climate risk management governance in BC
3.2	Disaster and climate risk management governance at federal level
3.3	Socio-economic vulnerability, equity and risk dynamics
3.4	Housing crisis and risk dynamics
3.5	Building design for functional recovery
3.6	Emergency planning and response in BC
3.7	Recovery planning in BC
3.8	Build back better planning
3.9	Economic Recovery
3.10	How to engage with indigenous communities on DRR and CCA
3.11	Priority DRR needs of indigenous communities
3.12	Financial risk management: Insurance and other risk transfer mechanisms

3.13	Financial risk management: Managing impacts of disasters on lending entities
3.14	Avoiding asset development in hazardous areas
3.15	Community resilience building
3.16	Emergency health management
3.17	All hazards early warning systems in BC
3.18	Review of National Disaster Mitigation Program outputs and outcomes in BC
3.19	Financial Sources Available to Municipalities and FN communities for DRR and CCA
3.20	Concluding Notes
Chapter 4. The Whole of Society Approach	
4.1	Risk mitigation in critical infrastructure: Overview of coordination mechanisms among CI providers
4.2	Understanding risk and resilience approaches in water and sanitation sector
4.3	Understanding risk and resilience approaches in power sector
4.4	Understanding risk and resilience approaches in transportation sector
4.5	Understanding risk and resilience approaches in telecommunication sector
4.6	Understanding risk and resilience approaches for Social Infrastructure (community centres, libraries, etc)
4.7	The role of small, medium and large enterprises in DRR
4.8	The role of professional associations in DRR/CCA and what they need to be empowered in their role
4.9	The role of Media and what they need to be empowered in their role
4.10	The role of civil society in DRR/CCA and what they need to be empowered
4.11	Concluding notes
Chapter 5. Proposed tools and approaches to enable collaboration and connection	
5.1	Risk data management strategy for BC
5.2	Common design and templates for risk profiling and communication to the general public
5.3	Developing a harmonized set of terminology and definitions aligned with the Sendai
5.4	Developing a harmonized set of impact and recovery indicators to use in sharing risk information across hazards
5.5	The case for connecting BC Assessment Data with information on high hazard zones, vulnerability profile (per construction type), neighborhood risk data, and retrofitting/upgrades data
Chapter 6: Emerging capabilities, concepts, and pilot projects	
6.1	DRRP: Dynamic Risk Modelling: Using historic measures of neighbourhood archetype change and socio-economic growth projections to understand future neighbourhood risk levels for planning and policy scenarios
6.2	DRRP: Social Vulnerability Analysis for City of Vancouver: Assessment of neighbourhood-level socio-economic vulnerability indicators for the City of Vancouver to support planning and policy scenarios
6.3	DRRP: Indicators of Neighbourhood Resilience, Recoverability, and Recovery: Assessment of community resilience and recoverability indicators at the neighbourhood scale, and metrics that can be used to assess peri- and post-disaster socio-economic recovery
6.4	DRRP: Supporting community recovery planning through modeling the restoration sequence of the critical lifeline systems
6.5	DRR Hub
6.6	Understanding Risk BC Symposium
6.7	Risk Profiler and Federal Data Platform