

The Mountain Risk Knowledge Exchange

Building Risk Management Capacity & Resilience in Mountain Communities

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SFU

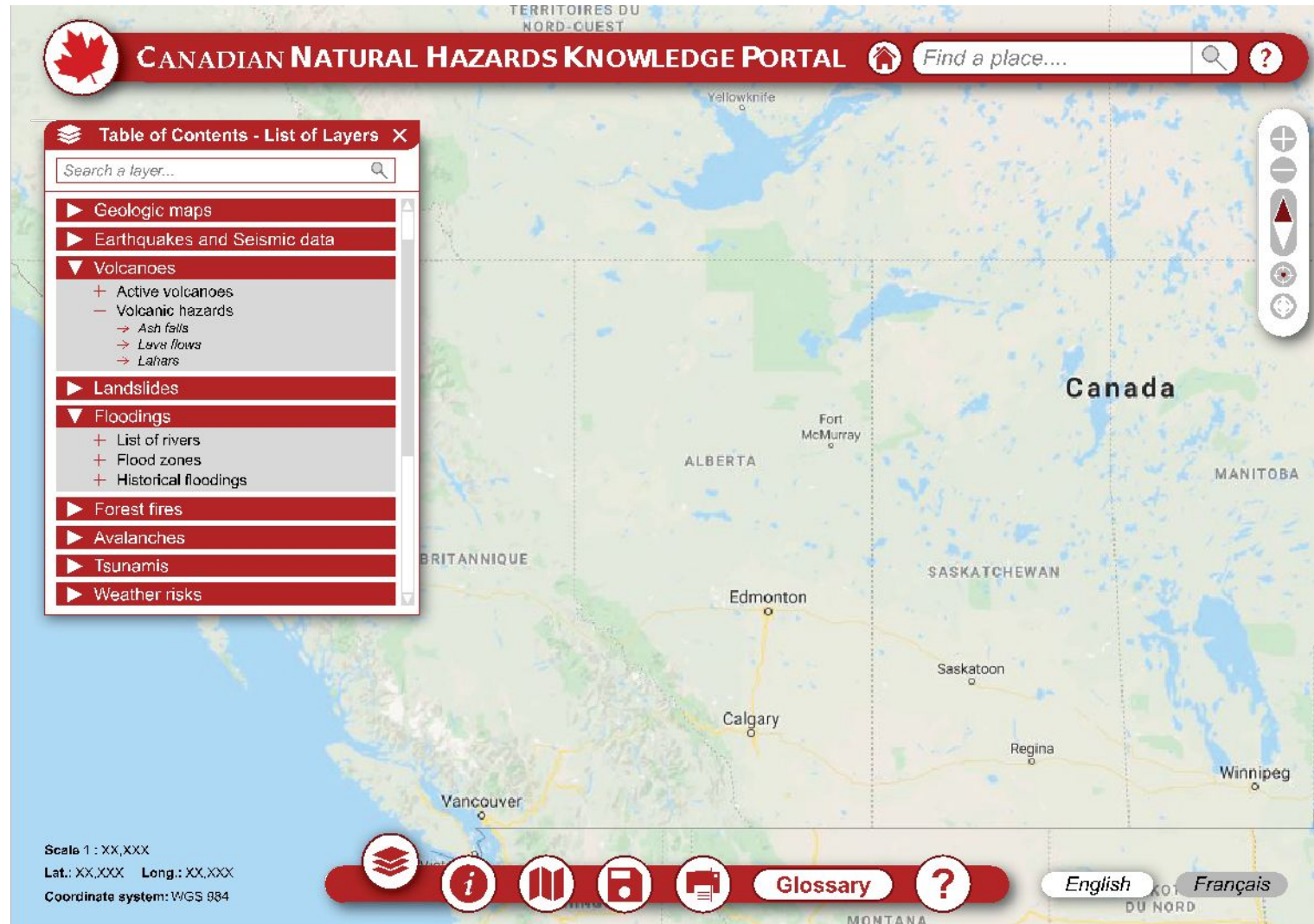
SIMON FRASER UNIVERSITY
ENGAGING THE WORLD



**CENTRE FOR NATURAL
HAZARDS RESEARCH**

Knowledge Portal - Status

- New Infrastructure at SFU identified
 - Federated Research Data Repository & Geodisy
- INSPIRE Standards
 - EU
- Basis for
 - CFI Innovation proposal
 - Jan 2020
 - New Frontiers in Research Fund
 - Feb 2020



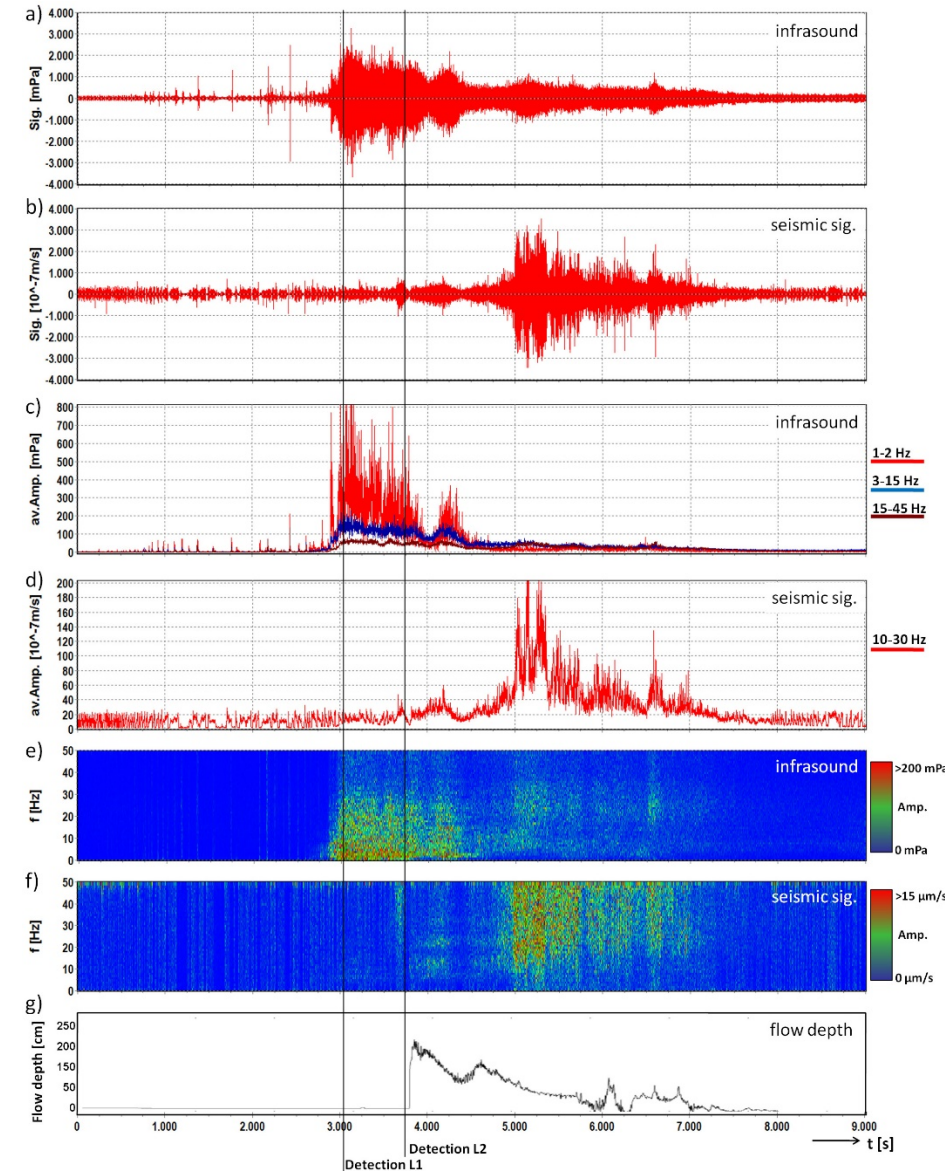
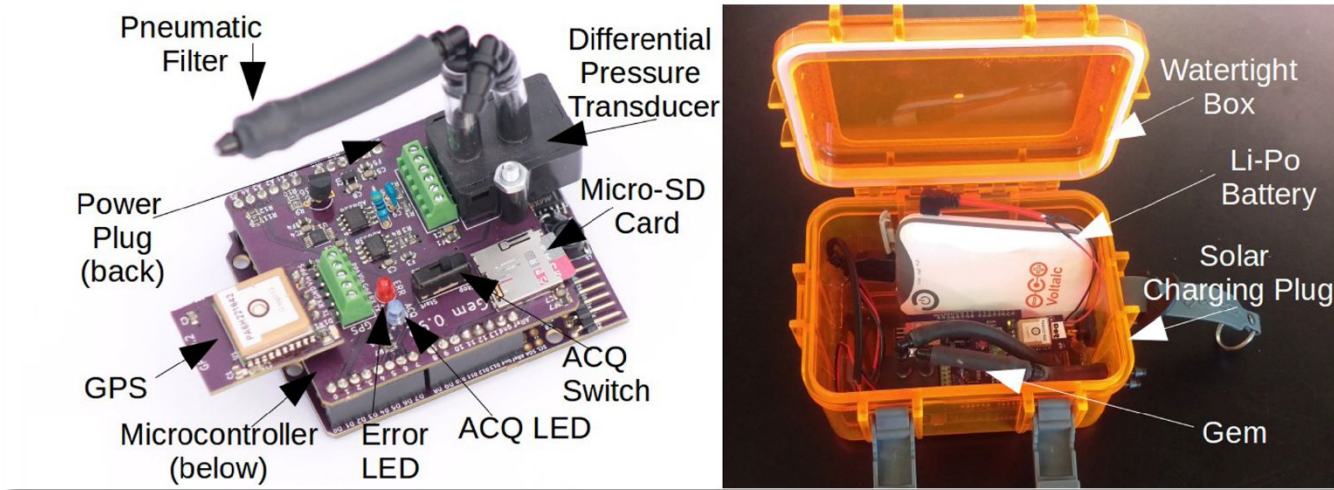
HQP

HQP	Level	Research Area	Proposed start date
Ms Mahsa Keramati	MSc	Data portal and AI algorithm development	May 1, 2019
Mr Juan Anzieta	PhD	Natural hazards data assessment, AI, sensor development	Sept 1, 2019
Ms Yu Yen Pan	PhD	Natural hazards communications & Citizen Science	Jan 1, 2020
Mr Tryggvi Unnsteinsson	MSc term	Real time data streams	Jan 1-Apr, 2020
TBD	PhD	First Nations natural hazards communications - BC	May 1, 2020
Ms Anne St Clair	PhD	Inuit natural hazards communications - Artic	May 1, 2020
Ms Lisa Hartmann	Intern	Natural Hazard Infographic design	May 1-Aug, 2020



New Technology development

- Community-based Natural Hazards Monitoring Systems
 - Off the shelf sensors
 - Citizen Science, community collaboration



Community Engagement

- Community-based meetings in Sea to Sky Corridor
 - Squamish, Whistler, Pemberton
- First round in Mid-March 2020
 - With Emergency Managers
 - Community decision makers
- Based on discussions, 2nd round in late August 2020
 - Open community consultation





Thank You