

BRACE: Building Regional Adaptation Capacity and Expertise

Increasing action to adapt to climate change through skills building, knowledge sharing and regional collaboration

BRACE AT A GLANCE

- Increasing the ability of communities, organizations, small and medium-size enterprises and practitioners to incorporate climate change into their planning and management and to be more climate-resilient
- Working in partnership with provinces, non-governmental organizations, universities, Indigenous communities, industry, professional associations, and local governments
- A five-year (2017–2022), \$18-million initiative under the Pan-Canadian Framework on Clean Growth and Climate Change
- Over 18 cost-shared projects across 10 provinces

Key Project Themes

- Agriculture
- Communities
- Fire
- Health
- Infrastructure
- Land-use planning
- Natural resources
- Nature-based infrastructure
- Tourism & Culture
- Traditional knowledge
- Water

* Project under development



BENCHMARKING KNOWLEDGE AND UNDERSTANDING OF CLIMATE CHANGE IN PLANNING (NATIONAL)



The Canadian Institute of Planners project undertook a national benchmarking exercise on climate-related knowledge and capacity needs among planners. The findings are informing future efforts for building the capacity of planners to incorporate climate change considerations into their practice.

INSPIRING CLIMATE ACTION (BC)



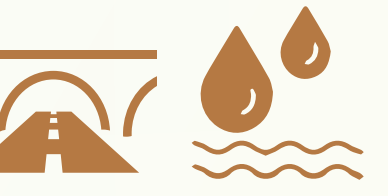
Royal Roads University is mobilizing the climate change adaptation knowledge, skills and competencies of professionals in British Columbia to increase their capacity to advise, make informed decisions and act on climate change adaptation issues.

CLIMATE RESILIENCY: CAPACITY BUILDING FOR DECISION MAKERS (MB)*



The Government of Manitoba will work with business, infrastructure, planning and Indigenous decision-makers and stakeholders to increase their capacity to integrate climate resiliency within their sector, community or region.

INCORPORATING CLIMATE RESILIENCE FOR MUNICIPAL INFRASTRUCTURE INTO DESIGN GUIDELINES (ATLANTIC)



The Atlantic Canada Water and Wastewater Association is updating design guidelines for municipal water and wastewater infrastructure to include climate change adaptation.

BUILDING CAPACITY AND RESILIENCE TO CLIMATE IMPACTS IN KEY ECONOMIC SECTORS (NL)



The Government of Newfoundland and Labrador is building the adaptation capacity of key economic sectors: fisheries, forestry, agriculture, tourism and mining.

CLIMATE CHANGE & RESILIENT INFRASTRUCTURE (NL)



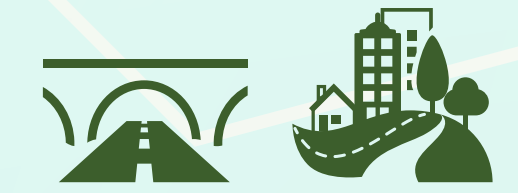
Memorial University is building capacity among engineers, planners and municipalities to inform planning and decision making activities that will make infrastructure more resilient to climate change.

CLIMATE ADAPTATION LEADERSHIP PROGRAM (NS)



The Government of Nova Scotia is building the leadership capacity of provincial departments and sector stakeholders across their value chains to proactively assess risks and opportunities, respond to climate change and integrate adaptation.

PROFESSIONALS AND ADAPTATION TO CLIMATE CHANGE (QC)



Laval University is developing a training program focused on the competencies and abilities needed to implement adaptation to climate change, particularly among engineering, urban planning and architecture professionals.

ADAPTATION RESILIENCY TRAINING PROGRAM (AB)



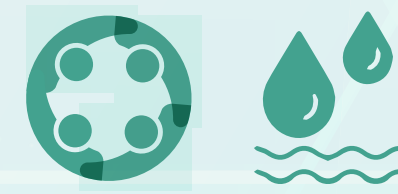
The Government of Alberta is developing an adaptation training and professional development program targeting professionals in community planning, water management, business and infrastructure.

FIRE WITH FIRE (AB)



The Resilience Institute is collaborating with Indigenous communities in Alberta to mobilize the best available Indigenous and scientific knowledge of fire management to inform innovative practices for climate change adaptation.

BUILDING CAPACITY FOR COMMUNITY HYDROLOGIC DROUGHT RESPONSE (SK)



The Water Security Agency is developing drought response plans to deal effectively with hydrologic drought in the context of a changing climate and the impacts on both water supply quantity and quality.

WATER MANAGEMENT CAPACITY BUILDING TO ACHIEVE CLIMATE RESILIENCY (SK)



The Water Security Agency is developing a training program that enhances the agricultural producers' capacity to cope with climate impacts on water management and building capacity of engineers, agronomists and applied science technologists to consider future climate in agricultural water management.

CLIMATE CHANGE IMPACTS AND ADAPTATION TRAINING PROGRAM FOR PROFESSIONAL PLANNERS (ON)



The Climate Risk Institute is building the capacity of planners in Ontario to integrate climate change adaptation into their practice through developing and delivering training.

BUILDING CAPACITY OF FIRST NATIONS THROUGH KNOWLEDGE EXCHANGE AND COLLABORATION (ON)



Laurentian University is increasing the capacity of Tribal Councils and First Nation communities to carry out and use community-based climate change impact and risk assessments.

CLIMATESENSE: LEADING CLIMATE CHANGE TRAINING & PROGRAMS (PE)



The Government of Prince Edward Island is building adaptation capacity for professionals through climate change training and internships.

CLIMATE CHANGE ADAPTATION CAPACITY BUILDING FOR ENGINEERS (NB)



The University of Moncton is building the capacity of engineers to incorporate climate change adaptation into their practice.

BUILDING CAPACITY OF WOODLOT OWNERS TO ADAPT TO CLIMATE CHANGE (NB)



The New Brunswick Federation of Woodlot Owners is building the capacity of woodlot owners to make management decisions that consider climate change through training and implementation of best management practices.

NATURAL AND NATURE-BASED INFRASTRUCTURE CAPACITY BUILDING (NB)



The New Brunswick Environmental Network is building capacity of engineers, land-use planners and environmental organizations to better understand, value, design and implement natural and nature-based infrastructure projects.

To learn more, visit: www.nrncan.gc.ca/environment/impacts-adaptation/BRACE/21324