

CLIMATE CHANGE

ADAPTATION RESOURCE GUIDE

Nunavut's Health and Culture



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Building *Nunavut* Together
Nunavut liuqatigiingniq
Bâtir le *Nunavut* ensemble



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COVER PHOTO: GOVERNMENT OF NUNAVUT PARKS

First print: 2014

Government of Nunavut
Department of Environment

Content: Northern Climate ExChange, Yukon Research Centre, Yukon College
Design: Bird's Eye Design

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1 INTRODUCTION

Climate change is happening, as is evident from increases in global average air and ocean temperatures, widespread melting of snow and ice, and rising global sea levels.¹ In Nunavut the annual average temperature is rising twice as fast as the rest of the world.² Meanwhile, there is considerable evidence that climate change affects the social determinants of health, including clean air, safe drinking water, sufficient food, and secure shelter.³ Climate change also affects the populations and distribution of both disease vectors and animals for consumption, which can have impacts on both health and culture. Culture can be vulnerable to climate change; the Inuit in particular have a centuries-long relationship with ice, sea, land, and the unique climate of the Arctic. Environmental change will continue to affect the culture and well-being of all Nunavummiut.⁴

Climate change adaptation is about taking action and changing behaviour to reduce the negative impacts of climate change and take advantage of new opportunities. In the context of a changing climate and health and culture, climate change adaptation also acts as a risk-reduction mechanism to reduce the negative effect of climate change on health outcomes and aspects of culture.

This resource guide provides an easy-to-use reference base for policymakers and practitioners within health and culture sectors in Nunavut. The goal of this resource guide is to provide an overview of the information and resources that are available to assist in incorporating adaptation-based activities and policies, recognizing climate-related vulnerabilities, and reducing risk.

2 CURRENT CONTEXT

2.1 Health and Culture in Nunavut

With remote communities and limited resources compared to other areas of Canada, wellness in Nunavut has challenges including access to healthcare, housing concerns, and food security. The strength of the Inuit culture and language continue to contribute to wellness in Nunavut. The current focus of programs and research on food security, social inclusion and adequate housing aims to address some of the challenges Nunavut is facing in regards to health and culture.

¹ International Panel on Climate Change [IPCC], 2007

² Centre for Climate and Energy Solutions [C2ES], 2014

³ World Health Organization (WHO), 2013

⁴ Government of Nunavut, 2011

⁵ Information on climate change impacts comes from Government of Nunavut 2003, 2005 a,b,c,d, 2011 and 2014.

⁶ CBC, 2014

2.2 Climate Change Impacts and Projected Changes in Nunavut⁵

Climate change impacts are already being witnessed by hunters, elders, and others in Nunavut. Over the past 100 years the Arctic has experienced an average warming of 1.5°C, with regional increases between 1 and 3°C. Over the next 100 years, average temperatures are expected to increase by 5 to 7°C in Nunavut, with shorter winters, longer summers, and more extreme weather events. Many of the changes which have already been witnessed are projected to increase over time, and still more changes are projected to occur in the future. The changes which have been witnessed in Nunavut thus far, or are projected to occur in the future, include changes in sea ice, the loss of species, and the introduction of new species. As well there have already been and are expected to be more impacts to food security and traditional activities, and reductions in overall wellness.

FOOD SECURITY

- Many Nunavummiut depend on hunting, fishing, and gathering to support the nutritional needs of themselves and their families. Changes to weather and climate have meant that local hunting practices and timing of activities has been modified, and use of some traditional sites may be prevented altogether. Many elders and others note that their weather- and climate-related knowledge does not seem to fit with the climatic patterns that are now being witnessed.
- Warming climates can increase the possibility for growing food locally.
- The introduction of new diseases and contaminants in wildlife could have a negative impact on people who hunt and eat these species.
- Extreme weather events can have a negative impact on flights, which is the only way to supply fresh foods to Nunavut's communities.
- Storage of food is affected by warmer temperatures and thawing permafrost. Interviews with elders suggest that outdoor meat caches spoil now, whereas formerly they remained fresh and preserved in the cold environment.

CHANGING SEA ICE AND TRADITIONAL ACTIVITIES

- The extent of Arctic sea ice has decreased every decade for which we have available satellite imagery; decreased ice thickness and coverage is attributed to loss of multi-year sea ice that is being replaced by younger and less-stable ice.
- Many community members note the increasing uncertainty and unpredictability surrounding the safety of ice travel. Some people have noticed that areas that were previously safe to visit are no longer.
- Previously navigable areas are becoming less navigable in all seasons, especially with decreases in snow and water level, permafrost thaw, and earlier ice melt. This has become a hindrance to the traditional harvesting practices of many hunters

PHYSICAL HEALTH AND WELLNESS

- Inuit possess a survival skillset finely attuned to the unique climate and weather of the Canadian Arctic. Rapid environmental change will thus impact Inuit culture, physical and mental health, and overall well-being.
- Climate change can affect the mental health of Inuit who are having increased difficulty accessing traditional activities⁶
- Warmer temperatures can result in more cases of heat-related illnesses
- Nunavummiut who spend time on the land are more vulnerable to injury or death due to extreme weather events or unforeseen accidents related to thinner ice.

3 ONLINE RESOURCES

The list of resources in this section is not comprehensive; however it does include those which were identified as the most applicable for the health and culture sectors in Nunavut. The resources listed are all available online and include publications, websites, online tools, and case studies.

3.1 Publications and Websites

3.1.1 Nunavut-specific Publications and Websites

This section includes a list of resources specific to Nunavut or produced in Nunavut that provide information on climate change, health and culture.

Title: Nunavut Climate Change Centre

Agency: Government of Nunavut, Climate Change Section

Summary: The Nunavut Climate Change Centre (NC3) is a web-based climate change resource centre intended to provide current climate change information relevant to Nunavummiut. It was developed with the Government of Nunavut (GN) Department of Environment.

Link: <http://www.climatechangenunavut.ca/>

Title: The Dynamics of Human-Sea Ice Relationships: Comparing Changing Environments in Alaska, Nunavut, and Greenland

Agency: National Snow & Ice Data Center

Summary: From 2006-2010, a community-based sea-ice monitoring project was carried out, called Siku-Inuit-Hila (Sea Ice – People – Weather) in three Arctic communities, including Clyde River, Nunavut. This project was part of a larger investigation of the relationship between humans and sea ice. Among other topics, it examined the characteristics of sea ice, changes in human ice use patterns over time, changes to sea ice and its features critical to human use, human responses to changes in sea ice, societal impacts of sea ice changes, and implications for future change, impacts, and adaptation.

Link: http://nsidc.org/research/projects/Gearheard_Human_Sea_Ice_Relationships.html

Title: Climate Change, Health, and Vulnerability in Canadian Northern Aboriginal Communities

Agency: Furgal, C. and Seguin, J.

Summary: An article entitled Climate Change, Health, and Vulnerability in Canadian Northern Aboriginal Communities was published, reviewing experiences from two projects which took a community-based dialogue approach to identifying and assessing the effects of – and vulnerability to – climate change and its impacts on health in two Inuit regions of the Canadian Arctic.

Link: <http://www.jstor.org/discover/10.2307/4119614?uid=309413801&uid=3739488&uid=2&uid=3737720&uid=3&uid=16732968&uid=67&uid=62&sid=21104330988977>

Title: Selected Bibliography of Inuit Food Security

Agency: National Aboriginal Health Organization (NAHO)

Summary: Inuit Tuttavingat of the National Aboriginal Health Organization (NAHO) has produced a Selected Bibliography of Inuit Food Security, which covers a broad range of food security work in Inuit communities, including several works which pay explicit attention to the impacts of climate change.

Link: http://www.naho.ca/documents/it/2011_Inuit_Food_Security_Selected_Bibliography.pdf

Title: Food Insecurity among Inuit Women in Igloolik, Nunavut: The Role of Climate Change and Multiple Stressors

Agency: Climate Change Adaptation Research Group, McGill University

Summary: A research project entitled Food Insecurity among Inuit Women in Igloolik, Nunavut: The Role of Climate Change and Multiple Stressors, was carried out to investigate how climate change might affect Inuit women's food security using a case study from the community of Igloolik, NU. The results of this work showed a high prevalence of food insecurity, including behaviors such as meal skipping, reduced size of meals, and not eating enough when food has run out.

Link: <http://soa.arcus.org/abstracts/food-insecurity-among-inuit-women-igloolik-nunavut-role-climate-change-and-multiple-stress>

Title: Climate Change and Health Community Research Photovoice Project

Agency: Quajigiartiit/Arctic Health Research Network

Summary: A research report entitled Climate Change and Health Community Research Photovoice Project was carried out alongside a workshop to provide an experiential learning opportunity to community participants. Among other outcomes, this work contributes to a larger body of literature on the perceived health effects of climate change on communities in Nunavut. The final report was also published in Inuktitut.

Link: <http://www.qhrc.ca/sites/default/files/Climate%20Change%20and%20Health%20Research%20Report%20-%20FEB%202010.pdf>
<http://www.qhrc.ca/sites/default/files/Climate%20Change%20and%20Health%20Research%20Report%20-%20FEB%202010%20Inuktitut.pdf>

Title: Canadian Inuit subsistence and ecological sustainability: if the climate changes, must the Inuit?

Agency: Wenzel, G.

Summary: An article entitled Canadian Inuit subsistence and ecological sustainability: if the climate changes, must the Inuit?, was published in 2009. It examines the impact of climate change on the customary institutional mechanisms by which the Inuit share and distribute hunting products, and other cultural practices.

Link: <http://www.polarresearch.net/index.php/polar/article/viewFile/6103/6782>



Title: Climate Change and Food Security in Regional Inuit Centres
Agency: ArcticNet
Summary: A multi-year project entitled Climate Change and Food Security in Regional Inuit Centres identified and characterized the vulnerability of food systems in four regional Inuit centre (Iqaluit, Arviat, Inuvik, and Kuujuuak) to climate change, as a basis for identifying adaptation entry points. A list of more than 30 publications associated with this project may be found at the following link.

Link: http://www.arcticnet.ulaval.ca/research/publications.php?project_id=70

Title: Community Perspectives on the Impact of Climate Change on Health in Nunavut, Canada
Agency: Arctic Institute of North America
Summary: An article entitled Community Perspectives on the Impact of Climate Change on Health in Nunavut, Canada explored community perspectives on the most important ways in which climate change is affecting the health of northern people. Participants in this work identified five key themes on this topic, including the direct impacts of climate change on the health of individuals and communities, the transition from past climates to future climates, necessary adaptation to the changing climate in the North, a call to action, and reflection on the past and changing knowledge systems.

Link: <http://pubs.aina.ucalgary.ca/arctic/Arctic64-1-89.pdf>

Title: Community Climate Change Adaptation Action Plans
Agency: Government of Nunavut and Canadian Institute of Planners
Summary: Community Climate Change Adaptation Action Plans were developed for Arviat, Cambridge Bay, Clyde River, Hall Beach, Iqaluit, Kugluktuk, and Whale Cove. These plans contain many useful tools and resources, including hazard maps and recommendations for adaptations with respect to extreme weather events. In conjunction with these adaptation plans, a Nunavut Toolkit for Climate Change Adaptation Planning was developed for use in other communities for the development of their own community climate change adaptation plans.

Link: <http://www.climatechangenunavut.ca/en/resources/publications>
<http://www.planningforclimatechange.ca/wwwroot/Docs/Library/CIPReports/NUNAVUT%20TOOLKIT%20F>

3.1.2 Northern Publications and Websites

This section includes a list of resources specific to the Circumpolar North or produced in the Circumpolar North that provide information on climate change, health and culture.

Title: Health Impacts of Climate Change in Canada's North
Agency: Health Canada
Summary: A larger resource document entitled Human Health in a Changing Climate: A Canadian Assessment of Vulnerabilities and Adaptive Capacity contains a chapter entitled Health Impacts of Climate Change in Canada's North, which contains an extensive bibliography of information related to specific impacts and exposure to climate change in the north, as well as options for adaptation and adaptive capacity. An example of some of the indirect impacts listed included climate warming and ice safety, increased exposure to UV radiation, new and emerging diseases, and impacts on food security.

Link: http://ptaff.ca/blogue/wp-content/uploads/human_health_in_a_changing_climate-chapter_7.pdf

Title: Impacts of climate change on zoonotic disease and on food and water safety
Agency: Public Health Agency of Canada
Summary: An overview of the studied impacts of climate change on zoonotic disease and on food and water safety is compiled in a presentation entitled Climate Change and Infectious Disease Research and Surveillance Activities in Arctic Canada: Zoonotic Diseases and Food and Water Safety and Security.

Link: http://www.arcticinfdis.com/documents/2011/PHAC_ICSmeeting19Sept_final.pdf

Title: Climate Change and Mental Health: Uncertainty and Vulnerability for Alaska Natives
Agency: Alaska Native Tribal Health Consortium
Summary: A paper presented by the Alaska Native Tribal Health Consortium entitled Climate Change and Mental Health: Uncertainty and Vulnerability for Alaska Natives provides a general review of the impact pathways through which climate change affects Alaska Native mental health, and potential responses to mental health effects.

Link: <http://www.anthc.org/chs/ces/climate/upload/CCH-Bulletin-No-3-Mental-Health.PDF>

Title: Managing the Risks: A Guide for Arctic and Northern Communities
Agency: Centre for Indigenous Environmental Resources (CIER)
Summary: The Centre for Indigenous Environmental Resources (CIER) provides a guide entitled Managing the Risks: A Guide for Arctic and Northern Communities, intended to assist these communities in applying a step-by-step risk management framework to identify impacts and vulnerabilities to climate change in a local context. Included is an interactive map of summer and winter risks, several reports, and worksheets, as well as the Guide itself.

Link: <http://ccrm-cier.redrockconsulting.com/>

Title: Climate Telling
Agency: Health Canada
Summary: The website Climate Telling is produced as part of Health Canada's Climate Change and Health Adaptation Program. It is intended to provide a central communication hub for climate change and health-related issues in the Arctic, and intends to facilitate knowledge dissemination by accommodating multimedia research outputs and stimulating dialogue through social media platforms used universally among youth.

Link: <http://climatetelling.ca/>



3.1.3 External Publications and Websites

This section includes a list of relevant resources from other areas of Canada or other non-circumpolar countries that provide information on climate change, health and culture.

- Title:** Factsheets about the impacts of climate change on human health
Agency: Public Health Agency of Canada (PHAC)
Summary: The Public Health Agency of Canada (PHAC) provides a number of factsheets about the impacts of climate change on human health, including ones specific to air contaminants, forest fires, and floods.
Link: <http://www.phac-aspc.gc.ca/hp-ps/eph-esp/fs-fi-a-eng.php>
- Title:** Climate Adaptation Knowledge Exchange
Agency: EcoAdapt
Summary: The Climate Adaptation Knowledge Exchange (CAKE) provides a shared knowledge base and community of practice related to climate change adaptation. The CAKE website offers a number of resources, including a wide variety of case studies, a virtual library, planning tools, and a directory of people and organizations involved in climate change adaptation work.
Link: <http://www.cakex.org/directory>
- Title:** Climate Change and Human Health
Agency: Health Canada
Summary: Health Canada provides a web page, entitled Climate Change and Human Health, which provides a number of resources and tools related to climate change impacts on health, including videos, bulletins, fact sheets, and guidelines for health care workers.
Link: <http://www.hc-sc.gc.ca/ewh-semt/climat/index-eng.php>
- Title:** A Survey of Climate Change Adaptation Planning
Agency: H. John Heintz III Centre for Science, Economics, and the Environment
Summary: A resource entitled A Survey of Climate Change Adaptation Planning has been produced by the H. John Heintz III Centre for Science, Economics, and the Environment. It provides an introductory survey of worldwide climate change adaptation efforts and a number of case studies of adaptations within Canada.
Link: http://www.tribesandclimatechange.org/docs/tribes_89.pdf
- Title:** Adapting to Climate Change: A Risk-Based Guide for Local Governments
Agency: Federation of Canadian Municipalities
Summary: A report entitled Adapting to Climate Change: A Risk-Based Guide for Local Governments presents a risk-based approach to adapting to climate change for planning and responses, and illustrates how the risk management process can help users determine optimum solutions to complex issues. It is intended to help local officials to identify and manage climate-related risks.
Link: https://www.fcm.ca/Documents/tools/PCP/Adapting_to_Climate_Change_a_Risk_Based_Guide_for_Local_Governments_EN.pdf

- Title:** Adapting to Climate Change: An Introduction to Canadian Municipalities
Agency: Natural Resources Canada
Summary: Natural Resources Canada has produced a guide entitled Adapting to Climate Change: An Introduction to Canadian Municipalities, which provides a brief overview of climate change adaptation for municipal officials and staff. It familiarizes readers with climate change terminology, types of adaptation, and vulnerability assessment. It also includes several adaptation guides available to be utilized by communities, and provides examples of frameworks adopted and actions taken by local governments across Canada. The guide includes eleven case studies of communities in which adaptation projects have been carried out, including storm water management plans, planning for sea-level rise, water conservation, fire management, and more.
Link: <http://www.nrcan.gc.ca/environment/resources/publications/impacts-adaptation/reports/municipalities/10079>
- Title:** Canadian Communities' Guidebook for Adaptation to Climate Change
Agency: Environment Canada and the University of British Columbia
Summary: Environment Canada and the University of British Columbia have published a resource entitled Canadian Communities' Guidebook for Adaptation to Climate Change. This guidebook is especially intended for local governments and others looking for 'win-win' solutions which both reduce greenhouse gas emissions and manage risks related to climate change (e.g. more frequent heat waves, water shortages, and sea-level rise).
Link: http://www.fcm.ca/Documents/tools/PCP/canadian_communities_guidebook_for_adaptation_to_climate_change_EN.pdf
- Title:** Changing Climate, Changing Communities: Guide and Workbook for Municipal Climate Action
Agency: ICLEI Canada
Summary: ICLEI Canada has produced a toolkit called Changing Climate, Changing Communities: Guide and Workbook for Municipal Climate Action. This describes in-depth a six-step adaptation process, and a companion volume which presents and explains 14 tools geared for adaptation planning, including a stakeholder identification worksheet, barriers document, and a risk assessment scenario worksheet.
Link: http://www.fcm.ca/Documents/tools/PCP/changing_climate_changing_communities_guide_for_municipal_climate_adaptation_EN.pdf
- Title:** Adaptation 101
Agency: Natural Resources Canada
Summary: The Natural Resources Canada Climate Change Impacts and Adaptation Directorate provides an Adaptation 101 website with information about climate change impacts, adaptation, adaptive capacity, resources, adaptation initiatives in Canada, and more.
Link: <http://www.nrcan.gc.ca/environment/impacts-adaptation/adaptation-101/10019>
- Title:** Retooling for Climate Change
Agency: Fraser Basin Council
Summary: A website entitled Retooling for Climate Change provides a number of useful tools, resources, and case studies of climate change adaptation. Specific sections with resources are included for infrastructure, hazards management, water, management, and more.
Link: http://www.retooling.ca/retooling_essentials.html

3.2 Case Studies & Best Practices

3.2.1 Nunavut-specific Case Studies & Best Practices

This section includes a list of case studies and best practices specific to Nunavut or produced in Nunavut that provide information on climate change, health and culture.

- Title:** Tracking Local Research Messages on Climate Change and Health in Nunavut: A Pilot Project
Agency: Qaujigiartiit Health Research Centre
Summary: A project was carried out in partnership with the Qaujigiartiit Health Research Centre entitled Tracking Local Research Messages on Climate Change and Health in Nunavut: A Pilot Project. This project tested a knowledge tracking procedure showing how knowledge from community-based research projects disseminates into policy and practice.
Link: <http://www.arcticcollege.ca/science-research/item/4575-tracking-local-research-messages-on-climate-change-and-health-in-nunavut-a-pilot-project>
- Title:** Qapirangajuq: Inuit Knowledge and Climate Change
Agency: Kunuk, Z. and Mauro, I.
Summary: The first-ever Inuktitut-language film on climate change, entitled Qapirangajuq: Inuit Knowledge and Climate Change was produced in 2010 as a record of the traditional knowledge and experience of Inuit elders and hunters from across Nunavut.
Link: <http://www.isuma.tv/inuit-knowledge-and-climate-change>
<http://www.capefarewellfoundation.com/carbon14/qapirangajuq-inuit-knowledge-and-climate-change/>
- Title:** Elder's Conference on Climate Change
Agency: Nunavut Tunngavik Inc.
Summary: An Elder's Conference on Climate Change was held in March 2001 with the objective of gathering Inuit Qaujimagatuqangit and experiences of Elders concerning climate change and its effects in Nunavut.
Link: <http://www.polarnet.ca/ntilands/pdfdoc/elders.pdf>
- Title:** Reducing Vulnerability to Climate Change in the Arctic: The Case of Nunavut, Canada
Agency: Arctic Institute of North America
Summary: An article entitled Reducing Vulnerability to Climate Change in the Arctic: The Case of Nunavut, Canada identified key areas where policy could help Inuit communities reduce their vulnerability to climate change, with special focus on the renewable resources harvesting sector. Policies relating to cultural preservation, wildlife co-management, and harvester support were noted as important entry points for influencing processes that shape vulnerability.
Link: <http://pubs.aina.ucalgary.ca/arctic/Arctic60-2-150.pdf>
- Agency:** Pan-Territorial Adaptation Partnership
Summary: The Pan-Territorial Adaptation Partnership held a Pan-Territorial Permafrost Workshop in November 2013. This workshop brought together front-line decision makers and permafrost researchers from Nunavut, NWT, and Yukon to share knowledge, form connections and look at possibilities for adaptation in the future. Presentations and materials from the workshop are available online.
Link: <http://www.northernadaptation.ca/node/59>

3.2.2 Northern Case Studies & Best Practices

This section includes a list of case studies and best practices specific to the Circumpolar North or produced in the Circumpolar North that provide information on climate change, health and culture.

- Title:** Weather, water quality and infectious gastrointestinal illness in two Inuit communities in Nunatsiavut, Canada: Potential implications for climate change
Agency: Harper, S.L., Edge, V.L., Schuster-Wallace, C.J., Berke, O., and McEwan, S.A.
Summary: A case study was conducted in Nunatsiavut, Canada, to assess the role of climate change in impacting water quality and related gastrointestinal illness in two communities. Among other outcomes, it illustrates the need for temporal baseline information to allow for detection of future impacts of climate change on regional Inuit human and environmental health.
Link: <http://link.springer.com/article/10.1007/s10393-011-0690-1#page-1>
- Title:** Inuit Traditional Knowledge for Adapting to the Health Effects of Climate Change
Agency: Institute for Circumpolar Health Research
Summary: The Inuit Traditional Knowledge for Adapting to the Health Effects of Climate Change project (IK-ADAPT) is a trans-disciplinary project that combines scientific research and traditional knowledge to inform policy and programming needed to assist Inuit communities adapt to the health effects of climate change. Working closely with communities across Arctic Canada and knowledge users at multiple levels, the project examines ways to document, conserve, and promote Inuit traditional knowledge to help prevent, prepare for, and manage the impacts of climate change on health.
Link: <http://www.ichr.ca/#!health-effects-of-climate-change-and-tra/c1e4h>
- Title:** Climate Change and Health in Aklavik was carried out in Aklavik, Northwest Territories
Agency: Institute for Circumpolar Health Research
Summary: A project entitled Climate Change and Health in Aklavik was carried out in Aklavik, Northwest Territories as a youth-driven, community-based climate change project. This project encompassed the collection of information related to climate change and health determinants, and an on-the-land retreat, synthesis of the information with video methodologies, and dissemination of findings.
Link: <http://www.ichr.ca/#!climate-change-and-health-in-aklavik/cukc>

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- Title:** Weather, Water Quality and Infectious Gastrointestinal Illness in Two Inuit Communities in Nunatsiavut, Canada: Potential Implications for Climate Change
Agency: Harper, S.L., Edge, V.L., Schuster-Wallace, C.J., Berke, O., and McEwen, S.A.
Summary: A case study was conducted in Nunatsiavut, Canada, to assess the role of climate change in impacting water quality and related gastrointestinal illness in two communities. Among other outcomes, it illustrates the need for temporal baseline information to allow for detection of future impacts of climate change on regional Inuit human and environmental health.
Link: <http://link.springer.com/article/10.1007/s10393-011-0690-1#page-1>
- Title:** Traditional Knowledge Research for Increased Unpredictable Severe Weather and Travel Safety Impacts on Community Health: Tools for the Development of Adaptation Plans
Agency: Institute for Circumpolar Health Research
Summary: A community-based project entitled Traditional Knowledge Research for Increased Unpredictable Severe Weather and Travel Safety Impacts on Community Health: Tools for the Development of Adaptation Plans was carried out by the Dene Nation in NWT in cooperation with the Institute for Circumpolar Health Research. The intent of this project was to amplify the voices of the Elders, traditional harvesters, and youth so they can have a chance to elaborate their own adaptation plans. Youth developed their research skills and produced a documentary entitled "The Land of Our Future".
Link: <http://www.ichr.ca/#!/the-land-of-our-future/ci6w>
- Title:** Adapting to the Effects of Climate Change on Inuit Health
Agency: Climate Change Adaptation Research Group, McGill University
Summary: An article entitled Adapting to the Effects of Climate Change on Inuit Health addresses a lack of an evidence base on adaptation options and processes for Inuit regions. It draws upon understanding of the determinants of health and vulnerability to climate change in Canada to propose key considerations for adaptation decision-making in an Inuit context.
Link: <http://www.ncbi.nlm.nih.gov/pubmed/24754615>

3.2.3 External Case Studies & Best Practices

This section includes a list of relevant case studies and best practices from other areas of Canada or other non-circumpolar countries that provide information on climate change, health and culture.

- Title:** Preventative Public Health Systems and Adaptation to a Changing Climate
Agency: Public Health Agency of Canada (PHAC)
Summary: The Public Health Agency of Canada (PHAC) has a program entitled Preventative Public Health Systems and Adaptation to a Changing Climate. This program includes the development of enhanced surveillance methods, which will help practitioners and stakeholders meet unique regional needs and help guide Canadians to adapt and reduce their potential health risks associated with climate change.
Link: <http://www.phac-aspc.gc.ca/hp-ps/eph-esp/pph-psp-eng.php>
- Title:** Adaptation: Linking Research and Practice
Agency: Natural Resources Canada
Summary: This chapter of the Natural Resources Canada report Canada in a Changing Climate: Sector Perspectives on Impacts and Adaptation, examines the current status of adaptation in Canada with respect to both research and practice, based on scientific and grey literature. It includes a discussion of how we have progressed and overcome barriers, as well as changes in research, engagement, and action. It also includes case studies focused on a range of issues.
Link: http://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/earthsciences/pdf/assess/2014/pdf/Chapter9-Adaptation_Eng.pdf
- Title:** Human Health
Agency: Natural Resources Canada
Summary: This chapter of the Natural Resources Canada report Canada in a Changing Climate: Sector Perspectives on Impacts and Adaptation, reports on the finding of recent research focusing on health outcomes related to climate change. It discusses how risks to health could increase as the climate continues to change, and what adaptation options and tools are available to public health and emergency management officials.
Link: http://www.nrcan.gc.ca/sites/www.nrcan.gc.ca/files/earthsciences/pdf/assess/2014/pdf/Chapter7-Human-Health_Eng.pdf

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4 COURSES & TRAINING

4.1 Health and Culture Courses & Training

- Title:** Climate Change and Human Health
Agency: University of Toronto
Summary: The University of Toronto offers an online distance education course entitled Climate Change and Human Health. The objective of this course is to provide students with an overview of the impacts of climate change on human health, with the understanding that humans are a part of ecosystems.
Link: <http://www.learn.environment.utoronto.ca/home/distance-education/courses/cem-406-climate-change-and-human-health.aspx>
- Title:** Climate Change: Public Health Preparedness and Response
Title: The Nurse's Role and Climate Change
Agency: Columbia University Mailman School of Public Health
Summary: The Columbia University Mailman School of Public Health offers two courses designed specifically for healthcare professionals related to climate change and climate change adaptation. These courses are entitled Climate Change: Public Health Preparedness and Response and The Nurse's Role and Climate Change, respectively.
Link: <http://ncdp.crlctraining.org/catalog/course.asp?id=6>
<http://ncdp.crlctraining.org/catalog/course.asp?id=47&cid=3>
- Title:** Training course for public health professionals on protecting our health from climate change
Agency: World Health Organization
Summary: The World Health Organization (WHO) provides a free online training course entitled Training course for public health professionals on protecting our health from climate change. While this course is designed for public health professionals who are actively involved in management and decision-making related to health programs, it also provides a good background for non-medical professionals who are involved in addressing the health challenges posed by global climate change.
Link: http://www.who.int/globalchange/training/health_professionals/en/
- Title:** Human Health and Global Environmental Change
Agency: Harvard Extension School
Summary: Harvard Extension School offers an online course entitled Human Health and Global Environmental Change. This course is intended to provide participants with an overview of the relationship between climate change and human health in the context of public health practice. It is also available on edX.
Link: <http://www.extension.harvard.edu/courses/human-health-global-environmental-change>
<https://www.edx.org/course/harvardx/harvardx-ph278x-human-health-global-573#.VEAinfnF98E>

4.2 Climate Change and Adaptation Courses & Training

- Title:** Climate Insights 101
Agency: Pacific Institute for Climate Solutions (PICS)
Summary: The Pacific Institute for Climate Solutions (PICS) offers a Climate Insights 101 online short course, intended to provide users with an in-depth understanding of climate science and related issues. Two modules on the science of climate change and mitigation have been produced, and two modules on adaptation and regional climate change impacts are upcoming.
Link: <http://pics.uvic.ca/education/climate-insights-101>
- Title:** Introductory e-Course on Climate Change
Agency: United Nations Climate Change Learning Partnership
Summary: The United Nations Climate Change Learning Partnership offers an online Introductory e-Course on Climate Change with six modules, including one focused specifically on climate change adaptation. Those who complete the quizzes accompanying each module receive a certificate.
Link: <http://unccelearn.org/>
- Title:** Various: Climate Change and Climate Literacy
Agency: Coursera
Summary: The online e-Learning platform Coursera presently offers four courses in climate change and climate literacy. These courses are entitled Global Warming: The Science of Climate Change, Climate Literacy: Navigating Climate Conversations, Climate Change, and Climate Change in Four Dimensions, and are offered by the University of Chicago, University of British Columbia, the University of Melbourne, and University of California San Diego, respectively.
Link: <https://www.coursera.org/course/globalwarming>
<https://www.coursera.org/course/climateliteracy>
<https://www.coursera.org/course/climatechange>
<https://www.coursera.org/course/4dimensions>
- Title:** University of Chicago
Agency: Global Warming: Understanding the Forecast
Summary: The University of Chicago offers free online access to course materials to their Global Warming: Understanding the Forecast course.
Link: <http://forecast.uchicago.edu/lectures.html>
- Title:** Climate Change
Agency: Open2Study
Summary: Open2Study offers a free open study course in climate change offered through Macquarie University, which provides information about climate change impacts on food security, the economy, society, and more.
Link: <https://www.open2study.com/courses/climate-change>

5 CONTACTS

5.1 Nunavut Contacts

Title: Leading Change and Action on Climate Change
Agency: Oxford University
Summary: Oxford University offers an online course entitled Leading Change and Action on Climate Change. This course examines climate change issues, current approaches to leadership at the local, national and global level and supports students in developing their own approach to leading change and innovation on climate change in a personal, local or professional context.
Link: <https://www.conted.ox.ac.uk/courses/details.php?id=L100-11&search=climate%20change&submitbutton=Search&multisearch=single>

Title: Certificate in Decision Making for Climate Change
Agency: Northwestern University
Summary: Northwestern University offers a Certificate in Decision Making for Climate Change in a 100% online format. This course teaches student to understand the impact of climate change and to make educated decisions about adapting to and minimizing its effects. It is intended for municipal, regional, and federal officials, environmental planners and managers, corporate and utility managers, and consultants. The course is offered in partnership with the University of Washington, University of California – Irvine, and the University of British Columbia.
Link: <http://sps.northwestern.edu/program-areas/professional-development/climate-change/>

Agency: Government of Nunavut, Climate Change Section
Summary: The Climate Change Section of the Government of Nunavut Department of Environment coordinates the online Nunavut Climate Change Centre, and provides information about climate change adaptation programs and initiatives occurring in Nunavut. The Nunavut Climate Change Centre is a web-based climate change resource centre intended to provide current climate change information relevant to Nunavummiut. It shares and distributes climate change knowledge in Nunavut and makes information more accessible to the public.
Address: PO Box 1000 Stn 1360
Iqaluit, NU X0A 0H0
Phone: 867-975-7700
Email: climatechange@gov.nu.ca
Website: www.climatechangenunavut.ca/
www.env.gov.nu.ca/node/93

Agency: Government of Nunavut, Department of Culture and Heritage
Summary: The Government of Nunavut Department of Culture and Heritage provides leadership within the Government of Nunavut in the development and implementation of policies, programs, and services aimed at strengthening the culture, language, and heritage of all Nunavummiut.
Address: Box 1000, Stn 800
Iqaluit, NU X0A 0H0
Phone: 867-975-5500
Website: www.ch.gov.nu.ca

Agency: Government of Nunavut, Department of Health
Summary: The Government of Nunavut Department of Health is responsible for health and social programming within Nunavut.
Address: Box 1000, Stn 1000
Phone: 867-975-5700
Website: www.gov.nu.ca/health

Agency: Nunavut Research Institute (NRI)
Summary: The Nunavut Research Institute, a part of Nunavut Arctic College, acts as a gateway to research and technology development initiatives in Nunavut. NRI develops and promotes traditional knowledge, science, and technology as key local resources. It also shares information on research projects, provides advice on research funding programs, and assists in the development of proposals to research funding agencies.

Address: PO Box 1720 Building 959
Iqaluit, NU X0A 0H0

Phone: 867-979-7280

Website: www.nri.nu.ca

Agency: Qaujigiartiit Health Research Centre (QHRC)
Summary: The Qaujigiartiit Health Research Centre (QHRC) is a community-led health research centre with a goal of enabling health research to be conducted locally, by northerners, and with communities in a supportive, safe, and culturally-relevant manner, and to promote the inclusion of both Inuit and Western epistemologies in addressing health concerns, creating healthy environments, and improving the health of Nunavummiut.

Address: PO Box 11372 764 Fred Coman Drive
Iqaluit, NU X0A 0H0

Email: titiqqaq@qhrc.ca (Administrative Coordinator)

Website: <http://qhrc.ca/>

GOVERNMENT OF NUNAVUT



5.2 Government Agencies

Agency: Health Canada

Summary: Health Canada is the federal department responsible for helping Canadians maintain and improve their health. The Health Canada website provides a number of information pages related to the impacts of climate change on individual's health. Health Canada offers a Climate Change and Health Adaptation Program for Northern First Nation and Inuit Communities, which provides between \$500 and \$200,000 in funding for community-driven research projects on the impacts of climate change and health.

Address: Address Locator 0900C2
Ottawa, ON K1A 0K9

Phone: 613-957-2991 or 1-866-225-0709

Email: info@hc-sc.gc.ca

Website: <http://www.hc-sc.gc.ca/>
<https://www.itk.ca/front-page-story/climate-change-and-health-adaptation-program>

Agency: Public Health Agency of Canada (PHAC)

Summary: The Public Health Agency of Canada (PHAC) is an agency of the federal government of Canada that is mandated to promote and protect the health of Canadians through leadership, partnership, innovation, and action in public health. This mandate is inclusive of climate-change-related effects on population health.

Address: 180 Queen Street West, 11th floor
Toronto, ON M5V 3L7

Phone: 416-973-0003

Website: <http://www.phac-aspc.gc.ca/>

Agency: Department of Canadian Heritage

Summary: The Department of Canadian Heritage is a department of the Federal Government of Canada which is mandated to promote and environment in which all Canadians take full advantage of dynamic cultural experiences, celebrating Canadian history and heritage, and participate in building creative communities.

Address: 15 Eddy Street
Gatineau, QC K1A 0M5

Phone: 819-997-0055 or 1-866-811-0055

Email: info@pch.gc.ca

Website: <http://www.pch.gc.ca/>

Agency: Aboriginal Affairs and Northern Development Canada (AANDC)

Summary: Aboriginal Affairs and Northern Development Canada (AANDC) support Aboriginal and northern communities to address risks and challenges associated with climate change and to become more resilient through its Climate Change Adaptation Program (CCAP). In its first three years, this program funded more than 90 projects in 80 communities.

Address: Climate Change Adaptation Program
25 Eddy Street, 10th floor
Gatineau, QC K1A 0H4

Phone: 819-953-2590

Email: adaptation@aandc-aadnc.gc.ca

Website: www.aadnc-aandc.gc.ca/eng/1329158189051/1329158264671

Agency: Natural Resources Canada

Summary: Natural Resources Canada (NRCan) is the federal department responsible for natural resources, energy, minerals and metals, forests, earth sciences, mapping, and remote sensing. It works to ensure the responsible development of Canada's natural resources and builds and maintains an up-to-date knowledge base of the Canadian land mass and resources. The Impacts and Adaptation program at Natural Resources Canada includes programs such as the Adaptation Platform and the Regional Adaptation Collaboratives (RACs) program. Within the RACs, areas of focus for the individual collaboratives include flood protection (British Columbia), drought and flood planning (Prairies), extreme weather risk management (Ontario), and many more. The role of the collaborative is to develop knowledge, tools and networks to support practitioners and decision-makers in addressing climate change issues now and in the future.

Email: adaptation@nrcan.gc.ca

Website: www.nrcan.gc.ca/environment/impacts-adaptation
www.nrcan.gc.ca/environment/impacts-adaptation/regional-initiatives/collaboratives/10633

Agency: Government of the Northwest Territories, Climate Change Unit

Summary: The Climate Change Unit of the Government of the Northwest Territories Department of the Environment and Natural Resources provides information and coordinates action on climate change. They provide the Northwest Territories Climate Change Network, a web-based tool that provides a resource for members to share information, make contacts, and promote action on climate change in the Northwest Territories.

Address: PO Box 1320
Yellowknife, NT X1A 2L9

Phone: 867-873-7654

Email: climatechange@gov.nt.ca

Website: www.nwtclimatechange.ca/nwt-climate-change-network

Agency: Government of Yukon, Climate Change Secretariat

Summary: The Climate Change Secretariat is a branch of Environment Yukon, Government of Yukon. They coordinate the Yukon's government-wide response to climate change, form partnerships, coordinate activities and develop climate change policies and strategies.

Address: PO Box 2703 (V-205)
Whitehorse, YT Y1A 2C6

Phone: 867-456-5543 or 1-800-661-0408 ext. 5544

Email: climatechange@gov.yk.ca

Website: <http://www.env.gov.yk.ca/air-water-waste/climatechange.php>

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5.3 Climate Change Organizations

- Agency:** Adaptation to Climate Change Team (ACT), Simon Fraser University
Summary: The Adaptation to Climate Change Team (ACT) is the only think tank initiative on the topic of climate change adaptation in Canada. Among other roles, it publishes research reports identifying policy and resource opportunities to bridge theory and action in support of sustainable adaptation.
Address: Simon Fraser University
#3551, 515 West Hastings Street
Vancouver, BC V6B 5K3
Phone: 604-671-2449
Email: adapt@sfu.ca
Website: <http://act-adapt.org/about/>
- Agency:** Arctic Institute of Community-Based Research
Summary: The Arctic Institute of Community-Based Research (AICBR) facilitates and promotes community-based, northern-led health research activities aimed at improving the health of indigenous and non-indigenous Northerners.
Address: 308 Hanson Street
Whitehorse, YT Y1A 1Y6
Phone: 867-668-3393
Email: info@aicbr.ca
Website: www.aicbr.ca
- Agency:** Arctic Institute of North America, University of Calgary
Summary: The Arctic Institute of North America works to advance the study of the North American and circumpolar Arctic through the natural and social sciences, the arts and humanities. They also acquire, preserve and disseminate information on physical, environmental and social conditions in the North. Their website is home to the Arctic Science and Technology Information System (ASTIS) database, which contains records describing publications and research projects about northern Canada and the circumpolar Arctic.
Address: 2500 University Drive NW, ES-1040
Calgary, AB T2N 1N4
Phone: 403-220-7515
Email: arctic@ucalgary.ca
Website: www.arctic.ucalgary.ca
- Agency:** ArcticNet
Summary: ArcticNet is a Network of Centers of Excellence of Canada that brings together scientists and managers in the natural, human health, and social sciences with their partners from Inuit organizations, northern communities, federal and provincial agencies, and the private sector. The central objective of ArcticNet is to contribute to the development and dissemination of the knowledge needed to formulate adaptation strategies and national policies to help Canadians face the impacts and opportunities of climate change and modernization in the Arctic.
Address: Pavillon Alexandre-Vachon, Room 4081
1045, avenue de la Médecine, Université Laval
Québec, QC G1V 0A6
Phone: 418-656-5830
Email: arcticnet@arcticnet.ulaval.ca
Website: <http://www.arcticnet.ulaval.ca/aboutus/rationale.php>

- Agency:** Canadian High Arctic Research Station
Summary: The Canadian High Arctic Research Station (CHARS) will be a research station in Canada's Arctic with the goal of advancing Canada's knowledge of the Arctic in order to improve economic opportunities, environmental stewardship, and quality of life.
Phone: 819-953-1160
Email: chars-srcea@aandc-aadnc.gc.ca
Website: www.science.gc.ca/default.asp?lang=En&n=74E65368-1
- Agency:** Canadian Polar Commission
Summary: The Canadian Polar Commission is Canada's primary knowledge agency. It is a point of contact with the Canadian and international polar scientific communities. It encourages and facilitates cooperation and collaboration in polar knowledge and works with partners to determine scientific and other priorities.
Address: 2464 Sheffield Road
Ottawa, ON K1B 4E5
Phone: 613-998-8127
Email: mail@polarcom.gc.ca
Website: www.polarcom.gc.ca
- Agency:** Climate Change Adaptation Research Group, McGill University
Summary: The Climate Change Adaptation Research Group is based in the Department of Geography at McGill University. Most of the research activities carried out by the group focus on climate change vulnerability and adaptation among Indigenous populations and stakeholder engagement in adaptation planning, with several past and present research projects taking place across Nunavut.
Website: <http://www.jamesford.ca/>
- Agency:** ICLEI Canada – Local Governments for Sustainability
Summary: ICLEI Canada – Local Governments for Sustainability is an international organization of local governments and local government organizations that are committed to sustainable development. They provide a variety of services, including technical consulting, training and information services. They have worked with many Canadian communities to develop adaptation plans.
Address: 401 Richmond Street W., Studio 204
Toronto, ON M5V 3A8
Phone: 647-728-4308
Email: iclei-canada@iclei.org
Website: <http://www.iclei.org>
- Agency:** International Institute for Sustainable Development (IISD)
Summary: The International Institute for Sustainable Development is an international public policy research institute for sustainable development. The IISD focuses on adaptation, risk reduction, climate change and energy, economics, amongst other diverse topics. They host a number of initiatives, including the Community-based Risk Screening Tool – Adaptation and Livelihoods.
Address: 161 Portage Ave. East, 6th floor
Winnipeg, MN R3B 0Y4
Phone: 204-958-7700
Email: info@iisd.org
Website: www.iisd.org

REFERENCES

- Agency:** Nasivvik Centre for Inuit Health and Changing Environments
Summary: The Nasivvik Centre for Inuit Health and Changing Environments is a multidisciplinary research and training centre focused on building capacity in Inuit health research through trainee support and strategic funding initiatives in key environmental health areas of importance to Inuit communities.
Address: Indigenous Studies Department, Trent University
1600 West Bank Dr.
Peterborough, ON K9J 7B8
Phone: 705-748-1011 ext. 7242
Website: <http://www.nasivvik.ca/>
- Agency:** Northern Climate ExChange, Yukon Research Centre, Yukon College
Summary: The Northern Climate ExChange (NCE) is a part of the Yukon Research Centre at Yukon College which provides a credible source of information, develops shared understanding, promotes action, and coordinates research on climate change in Yukon and across Northern Canada.
Address: PO Box 2799 500 College Drive
Whitehorse, YT Y1A 5K4
Phone: 867-668-8862
Website: http://www.yukoncollege.yk.ca/research/programs/northern_climate_exchange
- Agency:** Ontario Centre for Climate Impacts and Adaptation Resources, Climate Change Adaptation Community of Practice
Summary: Ontario Centre for Climate Impacts and Adaptation Resources (OCCIAR) has a number of climate change resources available at their website. They maintain and host the Climate Change Adaptation Community of Practice, which is an interactive online community that provides a space for policymakers, researcher, and practitioners from across the country to share information and communicate with others in the field of climate change adaptation.
Address: 935 Ramsey Lake Road
Sudbury, ON P3E 2C6
Email: amorand@mirarco.org (Climate Change Adaption Community of Practice)
Website: <http://www.climateontario.ca>
<https://www.ccadaptation.ca/en/landing>
- Agency:** Pacific Institute for Climate Solutions (PICS)
Summary: The Pacific Institute for Climate Solutions (PICS) is a knowledge network hosted and led by the University of Victoria that integrates multi-disciplinary approaches to climate change. Its mandate is to develop innovative climate solutions, seek new opportunities for positive adaptation, and lead the way to a vibrant, low-carbon economy.
Address: PO Box 1700 Stn CSC
Victoria, C V8W 2Y2
Phone: 250-853-3595
Email: pics@uvic.ca
Website: www.pics.uvic.ca
- CBC, 2014. Climate change rattles mental health of Inuit in Labrador. CBC News, January 10, 2014, <http://www.cbc.ca/news/technology/climate-change-rattles-mental-health-of-inuit-in-labrador-1.2492180> [accessed October 15, 2014].
- Centre for Climate and Energy Solutions (C2ES), 2014. Global Warning and the Arctic: FAQs. Centre for Climate and Energy Solutions, <http://www.c2es.org/science-impacts/basics/faqs/arctic> [accessed September 2, 2014].
- Government of Nunavut, 2003. Nunavut Climate Change Strategy. Government of Nunavut, Iqaluit, NU, 27pp., <http://env.gov.nu.ca/sites/default/files/Climate%20Change%20Full%20English%20low.pdf> [accessed August 15, 2014].
- Government of Nunavut, 2005a. Inuit Qaujimagatuqangit of Climate Change in Nunavut: A sample of Inuit experiences of climate change in Nunavut: Baker Lake and Arviat, Nunavut. Government of Nunavut, Iqaluit, NU, 52pp., http://env.gov.nu.ca/sites/default/files/kivalliq_english.pdf [accessed August 15, 2014].
- Government of Nunavut, 2005b. Inuit Qaujimagatuqangit of Climate Change in Nunavut: A sample of Inuit experiences of recent climate and environmental changes in Clyde River, Pond Inlet, Resolute Bay, Grise Fiord, Nunavut. Government of Nunavut, Iqaluit, NU, 37pp., <http://env.gov.nu.ca/sites/default/files/North%20Baffin%20English.pdf> [accessed August 15, 2014].
- Government of Nunavut, 2005c. Inuit Qaujimagatuqangit of Climate Change in Nunavut: A sample of Inuit experiences of recent climate and environmental changes in Pangnirtung and Iqaluit, Nunavut. Government of Nunavut, Iqaluit, NU, 33pp., <http://env.gov.nu.ca/sites/default/files/South%20Baffin%20English.pdf>.
- Government of Nunavut, 2005d. Inuit Qaujimagatuqangit of Climate Change in Nunavut: Literature review and gap analysis of Inuit Qaujimagatuqangit on Climate Change in the Kitikmeot Region, Nunavut. Government of Nunavut, Iqaluit, NU, 31pp., http://env.gov.nu.ca/sites/default/files/kitikmeot_english_smaller.pdf.
- Government of Nunavut, 2011. Upagiaqtavut: Setting the Course: Climate Change Impacts and Adaptation in Nunavut. Government of Nunavut, Iqaluit, NU, 32pp., http://env.gov.nu.ca/sites/default/files/3154-315_climate_english_sm.pdf [accessed August 15, 2014].
- Government of Nunavut, 2014. Climate Change in Nunavut: An overview of major scientific findings and local observations about climate change in Nunavut. Nunavut Climate Change Centre, <http://climatechangenunavut.ca/en/understanding-climate-change/climate-change-nunavut> [accessed August 15, 2014].
- Intergovernmental Panel on Climate Change (IPCC), 2007. Climate change 2007: Synthesis report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Geneva, Switzerland, 104pp., http://www.ipcc.ch/publications_and_data/ar4/syr/en/mains1.html [accessed August 15, 2014].
- World Health Organization, 2013. Climate Change and Health. World Health Organization, <http://www.who.int/mediacentre/factsheets/fs266/en/> [accessed September 2, 2014].



