

C4 2016

CatIQ's Canadian Catastrophe Conference

February 1 & 2

Toronto Region Board of Trade

www.catiq.com/c4



#C42016

C4 2016 is brought to you by



*Bringing Together Industry,
Academia and Government to Discuss
Canadian Natural and Man-Made
Catastrophes*

About C4

It is no question that the frequency and severity of natural and man-made catastrophes in Canada has been on the rise. Annual insured losses in Canada over \$1 billion dollars are becoming the norm. These catastrophic events, which directly impact the Canadian public, require industry, academia and all levels of government to work together before, during and afterwards. With such a great need to build collaboration and resilience, Catastrophe Indices and Quantification Inc. (CatIQ) has worked to organize a conference to address Canadian Catastrophes.

CatIQ's Canadian Catastrophe Conference (C4) is a content-driven discussion to foster collaboration before, during and after catastrophic events. This inaugural conference will provide an overview of catastrophes, discuss strategies in catastrophe management and explore sector perspectives. Overall themes will focus on preparedness and resiliency, available tools, and impacted stakeholders and policy makers working together for the greater good of all Canadians.

Register at www.catiq.com/c4

Registration fees include access to all sessions, cocktail reception, breakfasts and lunches.

Registration:

(all prices are in Canadian dollars, plus applicable taxes)

	By Nov 30	From Dec 1
Individual delegate	C\$899.00	C\$999.00
Group rate (3 or more)	C\$799.00	C\$899.00

Academic rate is available

Contact carolyn.rennie@catiq.com for more details

Cancellation Policy:

Cancellation fee of C\$ 125+HST applies per delegate, no refunds after Dec 31, 2015. Substitutions allowed at any time.

Questions? Please contact Carolyn Rennie at (416)368-0777 x28 or carolyn.rennie@catiq.com

For more information please visit our website
www.catiq.com/c4

Connect with us on Twitter:



@CatIQ_Inc
#C42016

Who Should Attend (What's In It For Me?)

C4 is built to find common ground and foster cross-section collaboration between the following:

- ✓ Insurance/Reinsurance Professionals
- ✓ All Levels of Government
- ✓ Academia/Researchers
- ✓ Risk Managers
- ✓ Other sectors/organizations dealing with resilience from catastrophes

7:30 - 8:45am **Breakfast**

9:00 - 9:15am **Welcome and Acknowledgements**



Glen Gibson
C4 2016 Emcee and Vice-Chairman, Hamilton Tiger-Cats and former EVP & Global Chief Strategy Officer, Crawford & Company

9:15 - 10:00am

Overview of Conference Objectives



Jim Abraham
Director, Canadian Climate Forum and Former Director General, Weather and Environmental Monitoring, Meteorological Service of Canada, Environment Canada

Speaker Presentation: Connecting the Dots



Heather Auld
Principal Climate Scientist, Risk Sciences International

How can we connect the dots between industry, academia and government in Canada? What lessons can we learn from communities, other countries and globally? This session will examine what can be done to work together before, during and after catastrophic events. Throughout the conference, each session will discuss aspects of how Canada can work toward building a network for resilience which will be discussed more in-depth in the closing panel.

Theme 1: Catastrophes (An Overview)

10:00 - 10:15am

CatIQ 2015 CATs in Review



Carolyn Rennie
Director of Catastrophic Loss Analysis, CatIQ

The first theme, 'Catastrophes (An Overview)' will begin with just that, an overview of natural and man-made disasters which occurred in 2015 and early 2016. This comprehensive review will include geographic footprints, related media and insured loss estimates as provided by CatIQ. Additionally, CatIQs in-house meteorologist and Director of Catastrophic Loss Analysis, Carolyn Rennie, will provide some further insights into trends in Canadian catastrophes.

10:15 - 10:30am

Networking Break sponsored by IBC

10:30 - 11:30am

Speaker Presentations: Lessons Learned from Recent Events



Dr. Balz Grollmund
Head, Earthquake, Swiss Reinsurance Company



Chip Wilson
Director of Operations, Town of Goderich



Carolyn Bowen
Program Manager, Flood Resiliency and Mitigation City of Calgary

In order to learn how to prepare for catastrophes, we need to look back and review what did - and did not - work in past scenarios. This session will begin by talking about one of the most costly natural disasters that has yet to occur in Canada in recent history, a massive earthquake. Dr. Balz Grollmund will review the key loss drivers from the 2010/2011 Christchurch earthquakes and discuss parallels to a Vancouver earthquake. The session will then continue with a story of personal experience from Mr. Chip Wilson who dealt with the devastating F3 tornado which struck the town of Goderich in 2011. The final presentation will be from Carolyn Bowen on Lessons Learned from the 2013 Calgary Floods.

11:45am - 1:15pm **Lunch and Presentation** sponsored by CRU Group Inc.



Keynote Speaker: David Phillips
Senior Climatologist, Environment Canada

We are pleased to have David Phillips, Canada's foremost weather expert, provide us with what promises to be an entertaining and educational presentation. David has been with Canada's weather service for over forty-five years and by studying Canadian climates he promotes the importance of understanding weather and climate. He's been called "a genuine Canadian legend" and "our unofficial weather guru", but prefers to think of himself as a weather ambassador for Canada. He has published many papers and reports, including the book *The Climates of Canada*, and two bestsellers: *The Day Niagara Falls Ran Dry* and *Blame It On The Weather*.

1:15 - 2:00pm **View From on the Ground**



Moderator
Glenn McGillivray
Managing Director,
ICLR



Sean Hobson
VP National Programs,
WINMAR Franchise Corp



Farhood Nowzartash
Principal, Civil & Structural,
Giffin Koerth



Kyle Winston
President,
CRU Group Inc.

The afternoon sessions will begin with a discussion from those who are on the ground after a catastrophe occurs. This panel of professionals, in the field of disaster restoration, independent insurance adjusting and engineering will provide their first-hand experience and insight with a "View From on the Ground"

2:00 - 2:45pm **Speaker Presentations: Preparing for Man-Made Catastrophes**



José Fernandez
Associate Professor,
École Polytechnique de Montréal



Paul Nony
Senior Toxicologist, Centre for
Toxicology and Environmental
Health (CTEH), LLC

Although the focus of discussion related to catastrophic events tends to rest on natural disasters, in this session, man-made catastrophes will be explored. José Fernandez will present an overview of Cyber Risk which is quickly becoming a more pertinent issue to plan for. Paul Nony will also discuss Environmental Disasters, such as oil pipeline spills, and provide his insights to the Lac Megantic train derailment of 2013.

2:45 - 3:00pm **Networking Break** sponsored by Munich Re

3:00 - 3:45pm **Speaker Presentations: Dealing with Hail Risk**



Dr. Julian Brimelow
Physical Sciences Specialist,
Applied Environmental Prediction
Science, Prairie & Northern Region,
Environment Canada



Dr. David Hudak
Head, King City Weather Radar
Research Group,
Environment Canada

In Canada, and especially in the Prairies, frequent hail storms cause significant property, automobile and crop damage. Hail is a hot topic in the insurance industry but little is discussed about the science behind hail. Experts from Environment Canada, Dr. Julian Brimelow and Dr. David Hudak, will discuss different aspects of hail research in Canada. Dr. Brimelow, based in Edmonton, will discuss research used improve hail detection and the prediction of hail along with how climate change might affect hail occurrence and size over North America. Dr. Hudak, a weather radar meteorologist, will discuss dual-polarized weather radar technology and how it can assist in improving hail identification.

3:45 - 4:45pm **Floods: Where Do We Stand and What's Next?**



Moderator:
Christoph Oehy
Head Treaty
Underwriting - SVP,
Swiss Reinsurance
Company Canada



Dr. Paulin Coulibaly
Scientific Director, NSERC
Canada FloodNet &
Civil Engineering Dept.,
McMaster University



Craig Stewart
VP, Federal Affairs,
IBC



Rob Wesseling
EVP, COO National
P&C Product,
The Co-operators and
COO, The Sovereign
General Insurance Company



Dr. Elizabeth C. English
Founder & Director,
Buoyant Foundation Project
and Associate Professor,
University of Waterloo
School of Architecture

This panel concludes day one by highlighting the cause of some of the costliest disasters in recent history - floods. Multiple viewpoints will be explored and the discussion will include current initiatives such as Partners for Action (engaging stakeholders on concrete action item relating to flood resiliency), the NSERC Canada FloodNet research program (working on flood monitoring and forecasting in Canada) and the Insurance Bureau of Canada's recent Financial Management of Flood Risk Report (including an international review). Next steps required to deal with the ever-looming flood risk will be discussed.

4:45 - 5:00pm *Speaker Presentation: Buoyant Foundation Project with Dr. Elizabeth C. English*

5:00 - 5:30pm **Student Delegate Presentations**

5:30 - 6:30pm **Cocktail Reception** sponsored by Aon Benfield

Tuesday, February 2

7:30 - 8:45am **Breakfast**

Theme 2: Strategies and Tools in Catastrophe Management

8:30 - 9:30am **Modeling Catastrophes**



Moderator
Jason Thistlethwaite
Director, Climate Change
Adaptation Project Canada,
University of Waterloo



Andrew Castaldi
Head, Cat Perils
Americas Hub,
Swiss Reinsurance
Company



Paul Cutbush
SVP Catastrophe
Management,
Aon Benfield Analytics



Dr. Philippe Roy
Climate Scenarios
and Climate Services
Specialist, Ouranos

Theme 2 begins with a panel of experts who will discuss how catastrophes are modeled. Specific discussions will include pitfalls in modeling due to the availability of data, a discussion on existing models for Canada and the challenges of integrating climate science into risk analyses.

9:30 - 10:15am **Who Pays the Bill?**



Moderator
Steve Johnston
Director, Reinsurance,
Co-operators General
Insurance Company



Brad Geddes
Executive Director,
Recovery Operations,
Alberta Emergency
Management Agency



Mazdak Moini
VP Commercial Lines
& Reinsurance,
Aviva Canada Inc.



Philipp Wassenberg
President & CEO,
Munich Re of Canada

As Canadian home and business owners, insurers, reinsurers and all levels of government know, there is a high cost associated with catastrophic events. How are the total costs paid? Is this the right mix? Who currently pays the bill and who should? This panel promises to be a very interesting discussion of how the cost of catastrophes is dealt with in Canada, what mechanisms are currently in place and what action plans could be made going forward.

9:30 - 10:15am **Networking Break** sponsored by AIR Worldwide

10:30 - 11:15am **Are We Getting Through? Effective Communication**



Moderator
Skip Hardy
VP, Canadian
Catastrophe Operations,
CRU Group Inc.



Sharon Jeffers
Acting Service Chief - Central
Region, Meteorological
Service of Canada
Environment Canada



Chris Scott
Director, Meteorology,
The Weather Network,
Pelmorex Media Inc



Sally Turney
Vice President,
Communications,
IBC

This panel of executives from industry, media and government will discuss the most effective tool to manage catastrophes - communication! This panel will provide insight into success stories and pitfalls of communication occurring before, during and after catastrophes - internally between stakeholders and externally to the public. Sharon Jeffers, of Environment Canada, will discuss an internal communication logique model; Sally Turney, of the Insurance Bureau of Canada (IBC), will describe IBCs internal emergency response program; and Chris Scott, from The Weather Network, will discuss media communication to the general public. This panel will also touch upon how to manage expectations with respect to communication platforms such as phone, email, web and social media.

Theme 3: Sector Perspectives

11:15am - 12:15pm **Resilient Cities**



Moderator
Craig Stewart
VP, Federal Affairs,
IBC



Ewa Jackson
Manager,
ICLEI Canada



Matthew Lynch
VP, Global Partnerships &
Initiatives, World Council
on City Data



Barb Szychta
Vice President, Risk
Management Services,
Frank Cowan Company

The final theme, Sector Perspectives, begins at the local level discussing resilient cities. A distinguished panel of representatives, focused on municipal risk management and sustainability, will come together to discuss how cities can work toward being more resilient to catastrophes. Matthew Lynch, from the World Council on City Data, has worked globally to produce standardized indicators of resilient cities through ISO 37120. Ewa Jackson, of ICLEI Canada, works to connect local governments with leaders, accelerate actions related to sustainability and provide a gateway for these solutions. Barb Szychta, from Frank Cowan Company, is responsible for driving innovative risk management practices which support municipalities and the public-sector. This engaging discussion will be moderated by Craig Stewart of the Insurance Bureau of Canada.

12:15 - 1:45pm **Lunch and Presentation** co-sponsored by Aviva and The Co-operators



Keynote Speaker: Butch Bacani
*Program Leader, The UNEP FI Principles for Sustainable Insurance Initiative,
United Nations Environmental Program*

Our keynote luncheon speaker on the final day will be providing us with a global perspective. Butch Bacani is the Program Leader of the Principles for Sustainable Insurance (PSI) at the United Nations Environment Programme Finance Initiative. The PSI is the largest collaborative initiative between the United Nations and the insurance industry. Its vision is a risk aware world, where the insurance industry and plays its full role in enabling a healthy, safe, resilient and sustainable society.

2:00 - 3:00pm

Speaker Presentations: Public Sector Perspective



Diane Campbell
Director General, Prediction Services
Directorate, Meteorological Service of
Canada, Environment Canada



Stéphanie Durand
Director General, Emergency
Management and Programs Branch,
Public Safety Canada

This session will provide a look into goals and initiatives related to catastrophes from the Public Sector perspective. At the national level, Stéphanie Durand will outline Public Safety Canada's National Disaster Mitigation Program (NDMP) and Diane Campbell will discuss the role of the Meteorological Service of Canada (MSC).

3:00 - 3:15pm

Networking Break sponsored by Swiss Re

3:15 - 4:00pm

Claims Executives



Moderator
Glenn Gibson
C4 2016 Emcee



Mathieu Lamy
SVP, Claims
Intact Financial Corp.



Rissa Revin
General Counsel and
SVP, Claims & Compliance,
Munich Re of Canada



Pat Van Bakel
President and CEO,
Crawford & Company
(Canada) Inc.

Our final session of the Sector Perspectives theme will feature insurance claims executives. An overview of recent catastrophe claims experience will be discussed at all levels: the insurance adjuster level with Pat Van Bakel; the primary insurer level with Mathieu Lamy; and the reinsurance level with Rissa Revin. Our panel of claims executives, moderated by C4 2016s emcee Glenn Gibson, will discuss challenges, successes and ongoing issues to be addressed within the Canadian insurance industry.

Closing Sessions

4:00 - 4:45pm

Building a Framework for Resilience



Moderator
Jim Abraham
Director,
Canadian Climate Forum



Megan Meaney
Director,
ICLEI Canada



Paul Kovacs
Executive Director,
ICLR and
CEO, PACICC



Erik Sparling
Director, Climate Risk
Decision Support,
Risk Sciences International

Our two-day conference will end with a panel discussion on how Canada can work toward building a network for resilience. This esteemed panel of representatives will address the challenges and leadership required, while drawing from professional experience and observations from the conference.

4:45 - 5:00pm

Conference Wrap Up



Carolyn Rennie
Director of Catastrophic Loss Analysis, CatIQ

End of Conference

C4 2016 Advisory Committee

Jim Abraham

Director of Canadian Climate Forum
and Former Director General of Weather
Environmental Monitoring,
Meteorological Service of Canada,
Environment Canada

Joel Baker

President and CEO,
MSA Research and CatIQ Inc.

Nathalie Bleau

Coordinator, Built Environment Program,
Ouranos

Glenn Gibson

Vice-Chairman, Hamilton Tiger-Cats and
Former EVP & Global Chief Strategy
Officer, Crawford & Company

Steve Johnston

Director of Reinsurance,
The Co-operators

Paul Kovacs

Executive Director, Institute for
Catastrophic Loss Reduction (ICLR) and
CEO, PACICC

Skip McHardy

VP Canadian Catastrophe Operations,
Catastrophe Response Unit (CRU) Inc.

Mazdak Moini

VP Commercial Lines & Reinsurance,
Aviva Canada

Christoph Oehy

Head Treaty Underwriting - SVP,
Swiss Reinsurance Company Ltd.

Carolyn Rennie

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Sean Russell

Managing Director,
Guy Carpenter Canada

Jason Thistlethwaite

Director, Climate Change Adaptation
Project (CCAP),
University of Waterloo

Pat Van Bakel

President & CEO,
Crawford & Company (Canada) Inc.

Rebecca Wagner

Manager, Prediction Services Operations -
Central Region, Meteorological Service of
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phone (416)368-0777 x28 or email carolyn.rennie@catiq.com

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