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Laura Twidle, Director of  
Catastrophic Loss Analysis

November 29, 2017



# CatIQ Background

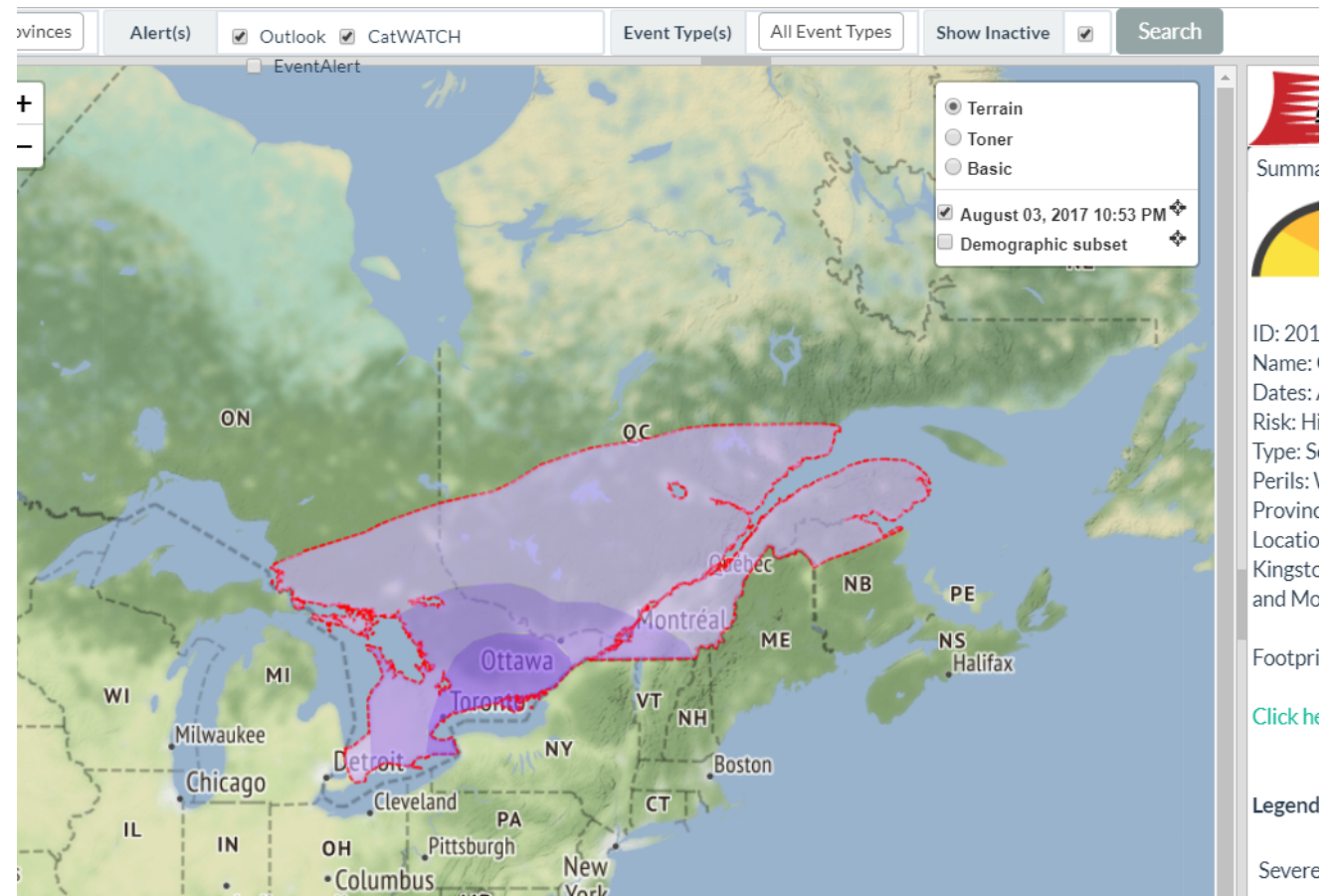
- CatIQ was launched publicly April 9, 2014.
- “Catastrophe Indices and Quantification Inc.” is an independent corporation and a sister company to MSA Research. Both are 100% Canadian and 100% controlled by Joel Baker.
- CatIQ delivers detailed analytical, insured loss estimates and meteorological information on Canadian natural & man-made catastrophes.
- CatIQ has been created to serve the insurance and reinsurance industries and will be responsive to the needs of our users. CatIQ is committed to continuous R&D and improvement in consultation with the industry.



# CatIQ Background



- CatIQ tracks & monitors situations which may develop into catastrophic events (WxWATCH)



# CatIQ Background



- Should an event cause significant property damage (>\$25M industry losses) CatIQ declares it as a CAT (if not – NE (notable event) or nothing)
- Within 1-2 days CatIQ produces a descriptive bulletin, collects associated media and creates GIS footprints related to the event

The screenshot displays the CatIQ web application interface. On the left, a map shows the Windsor, Ontario area with a red outline indicating the flood footprint. A tooltip over the map reads '2017-08-Cat-0094 Late-August Windsor Flooding'. The interface includes a search bar, filters, and a detailed event summary for 'Late-August Windsor Flooding'. The summary includes the following information:

- Bulletin:** Second (45 day Estimate)
- ID:** 2017-08-Cat-0094
- Name:** Late-August Windsor Flooding
- Dates:** August 28, 2017 - August 29, 2017
- Peril(s):** Flood, Water
- Province(s):** ON
- Location(s):** Windsor, Tecumseh, Essex
- Bulletin Release Date:** October 13, 2017

**Event Summary**

A slow-moving upper-level low produced significant rainfall over extreme southwestern Ontario from the evening of August 28<sup>th</sup> into the evening of August 29<sup>th</sup>. The heavy rain led to major flooding in Windsor and other parts of Essex County.

Windsor flooding

Twitter: mzalliceosin @mzalliceosin "How does this happen????? #Windsorstorm #WalkeratGrandMarais #newunderpass #wevehadworse". Source: Richard Bernard

# CatIQ Background



- Insurers are given 10 business days to report back their incurred losses related to the CAT (best view of ultimate incurred before reinsurance)
- Estimates are aggregated to produce industry-wide estimates by province and line of business (Personal, Commercial and Auto) and released
- Re-surveys @ **45, 90, 180 & 365 days** + 2 year re-surveys on CATs > \$500M

Province	Line of Business	Claim Count	Case Incurred + IBNR (\$)	Total Incurred	ALAE (\$)
AB	Personal Property			0	
	Commercial Property			0	
	Auto Property			0	
Total AB		0	0	0	0

# CatIQ Background



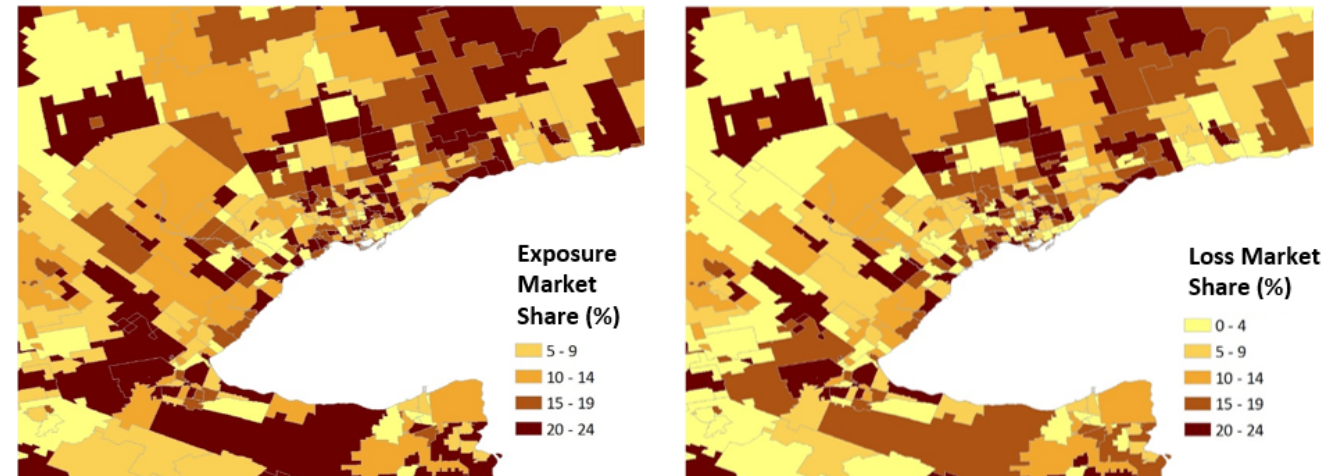
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Province	Line of Business	Closed Claim Count	Closed Claims Incurred (\$)	
NB	Personal Property			
	PD			
	Non PD			
	Sewer Backup / Water			
	Commercial Property			
	PD			
	Non PD			
	Large(>500K)			
	Small(<500K)			
	Auto			
	<b>Total NB</b>		<b>0</b>	<b>0</b>

# CatIQ Background



- Insurance Industry Exposure Database and FSA-Level Industry Loss Estimates – Forthcoming



# C4 2018

CatIQ's Canadian Catastrophe Conference

# January 31 - February 2

Hilton Lac-Leamy, Gatineau-Ottawa, QC

*Bringing together industry, academia and government to discuss Canadian natural and man-made catastrophes*

## Sessions include:

- Flood Risk Management
- Public Communication
- Understanding Economic Impacts of Earthquakes
- Lessons from Municipality Emergency Management Plans
- Building Back Better
- Learning from Insurance Professionals
- Democratizing and Improving CAT and Hazard Models
- 2017 CATs in Review

## Interactive workshop:

- Canadian Disaster Mitigation Workshop  
*sponsored by xxxx*



Keynote Speaker

**Maryam Golnaraghi**

*Director of Extreme Events and  
Climate Risks Program,  
Geneva Association*

**REGISTER NOW**



Join the conversation #C42018

[www.catiq.com/c4](http://www.catiq.com/c4)



# Important Weather & Climate Extremes

- Flooding
- Severe thunderstorms
- Windstorms
- Ice storms



# Current Weather & Climate Products

## Weather:

- Total rainfall <24h
- Wind gusts
- Ice accretion
- Severe thunderstorm
  - Hail
  - Wind gusts
  - Flooding

## Climate:

- Drought (wildfire)
- Precipitation outlook in winter



# Useful Future Climate Information

- Drought locations
- Expected areas of increasing catastrophes broken down by peril or type
  - Water/Flood
  - Winterstorm/Ice storm
  - Severe thunderstorms



# Contact Information

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