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Resilience Design Lab (rLab)

2017

Synthesizing and visualizing climate vulnerability assessments data for the Region of Peel

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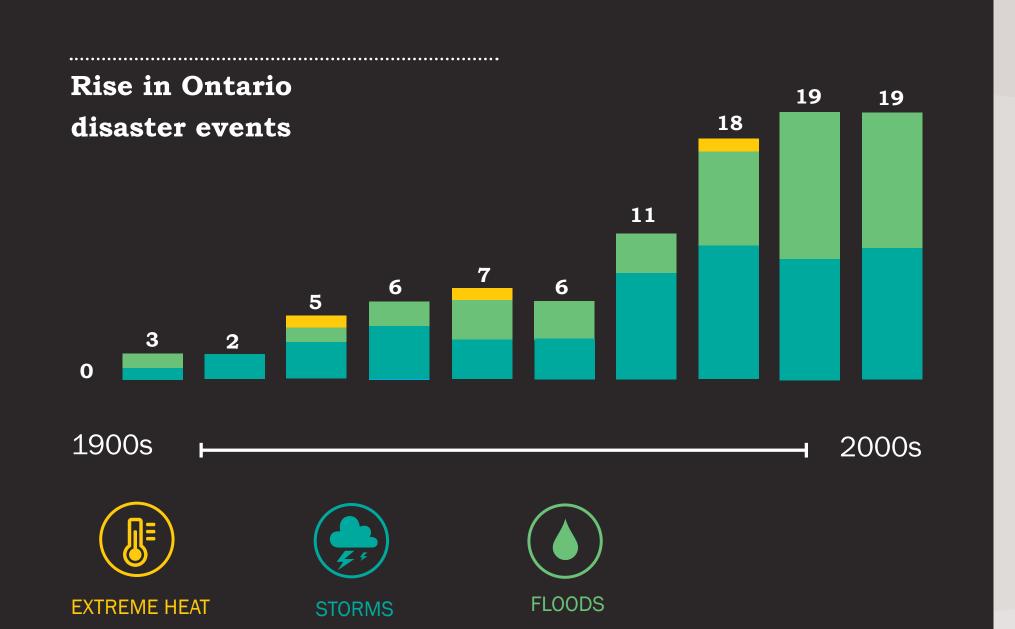
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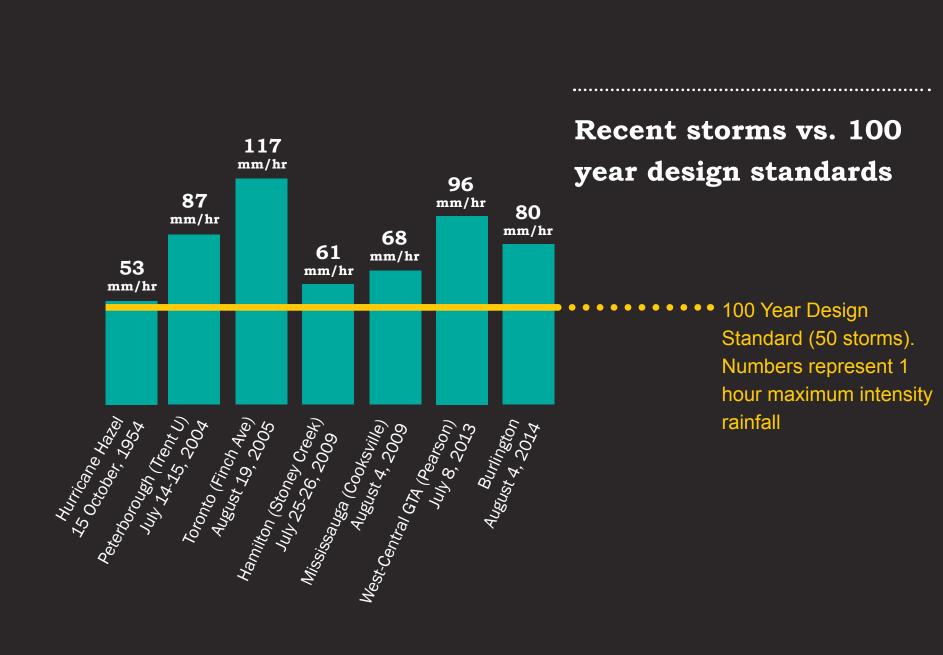
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What's up with the weather?

What it means for citizens

Of extreme weather events that happened in Ontario since the -Public Safety Canada.



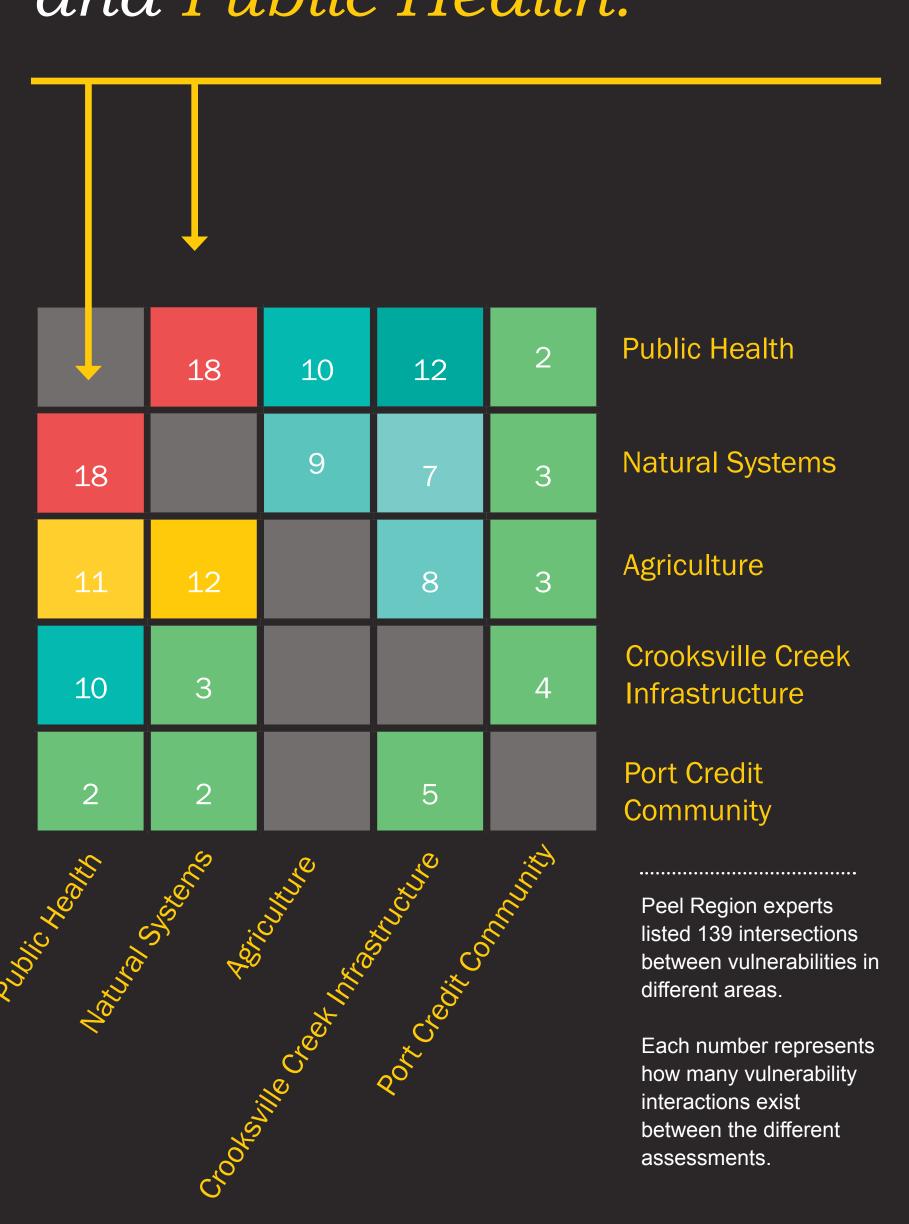


How vulnerable are we?

Looking at the root causes

Vulnerability interactions

Highest interaction found between Natural Systems and Public Health.



in Mississauga

Peel Climate Change Partnership:

Power outage in Mississauga affects thousands for hours

City News, July 8, 2013

"The water was about up to my just shut off."

Energy

2,000 in and around Orangeville.

> Caledon power outages stretch into 6th day

Region of Peel Credit Valley Conservation

CTV Barrie, December 27, 2013

Doctors concerned, cases of Lyme Disease increase in Ontario

The Weather Network - July 25th, 2015

10,000

annually by 2020

CTV news - June 15, 2015

Natural Systems

25,000

million

Brampton's ice storm cost could reach \$51.3

Brampton Guardian, Jan 08, 2014

"The prudent thing now is to

Government

\$171 million

Toronto ice storm cost

extreme weather costs

MISSISSauga

expected to soar to

\$106 million, as

city \$171 million

The National Post, Jan 8, 2014

\$850 million
In insurance property damage

Business

Toronto's July flood

listed as Ontario's

most costly natural

disaster

The Star, Aug 14, 2013

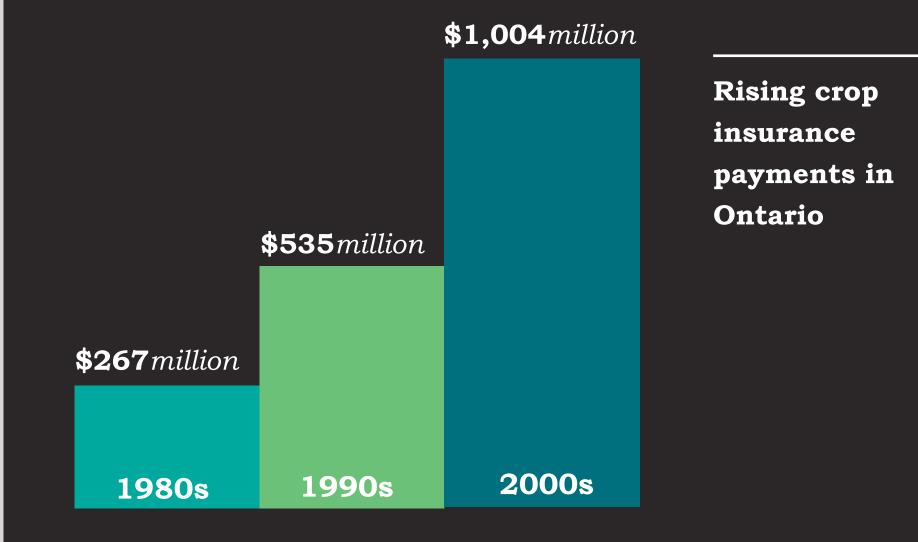
Crop insurance

Ontario

Toronto Sun, 01 Aug 2012

Agriculture

claims skyrocketing in

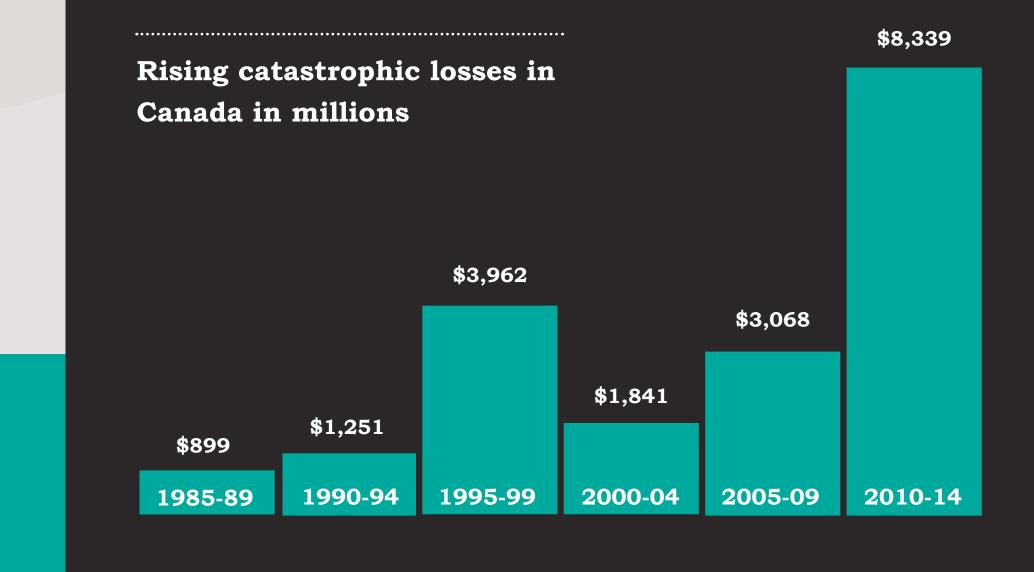


What are the

The cost of business as usual

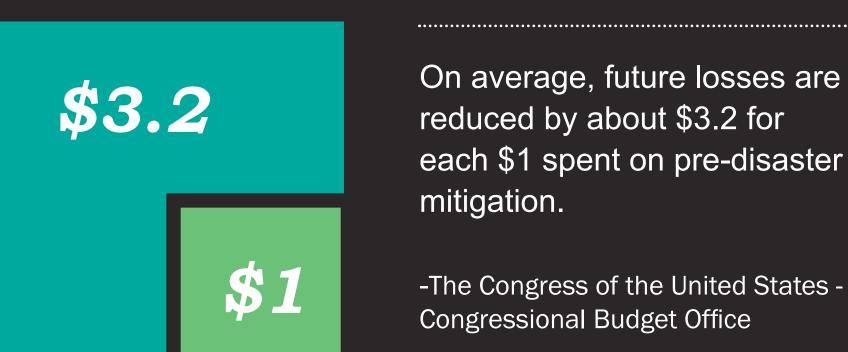
true costs?

Canada since 1985, occurred



What can we do?

Business as usual is not an option



On average, future losses are reduced by about \$3.2 for each \$1 spent on pre-disaster

HAPPENING IN PEEL

Mississauga Lakeview Neighbourhood

annual rain events.
 The LID bioswale shows a load reduction of 89 per cent removal for total suspended.

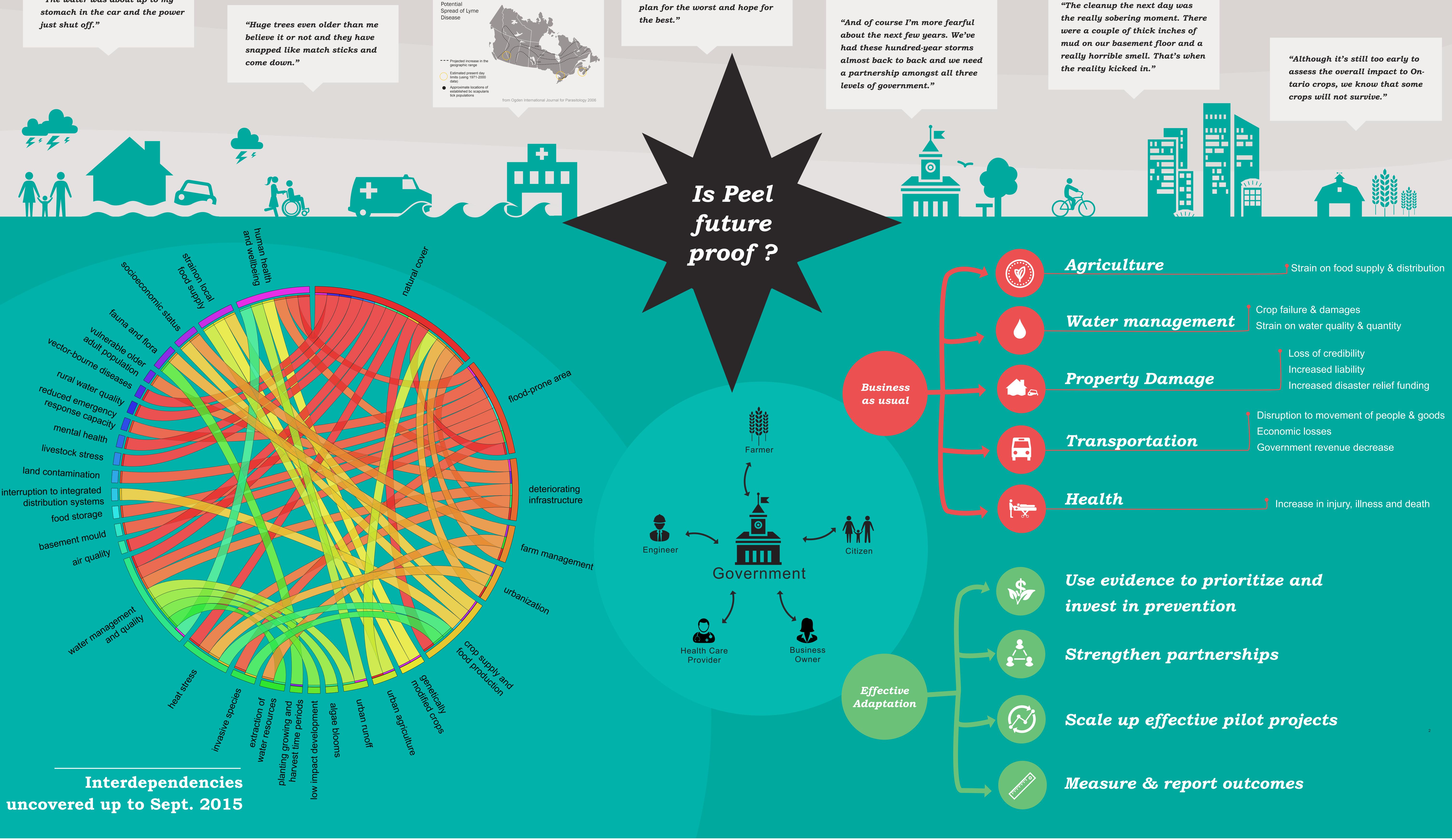
Mississauga IMAX Parking Lot

1,658 m area. Brampton has undertaken.

The Caledon Community Green Fund

Brampton County Court Boulevard





BRAMPTON Flower City