

Resiliency, Biodiversity and Adaptation to Climate Change

AIEC2018 Conference

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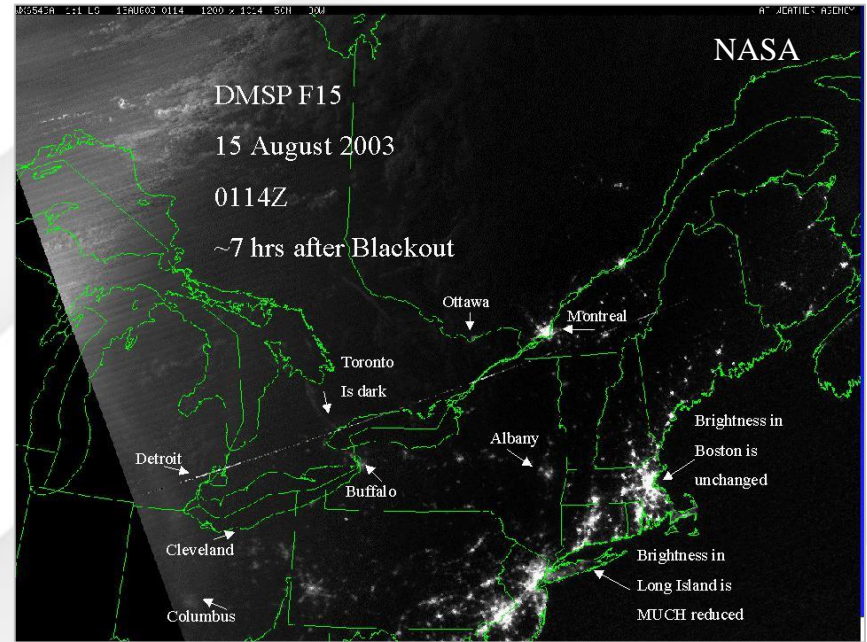
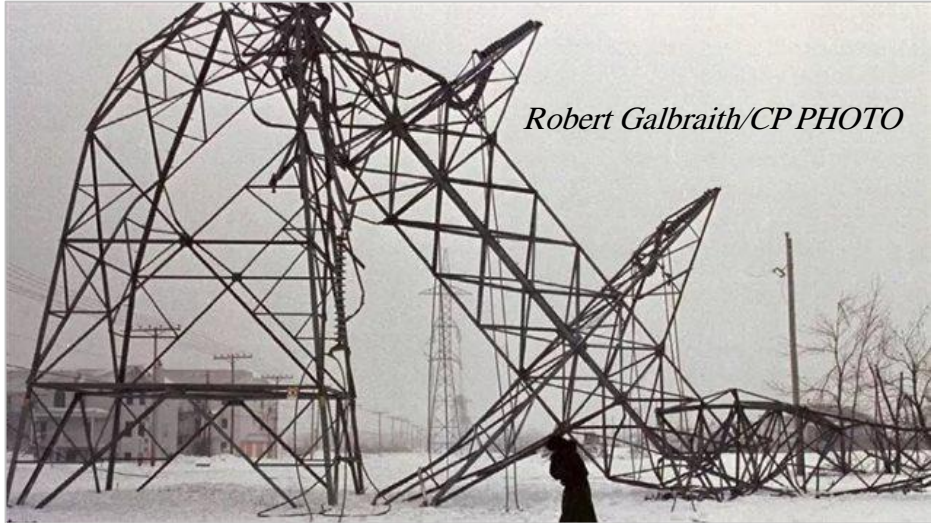
Senior Planner, City of Ottawa



An aerial photograph showing a city and its surrounding agricultural landscape. A large, dark river flows through the scene, winding around the city. The city is characterized by a dense grid of buildings and roads. The surrounding areas are dominated by green agricultural fields, some of which are divided into smaller plots. The overall scene illustrates the impact of climate change on both urban and rural environments.

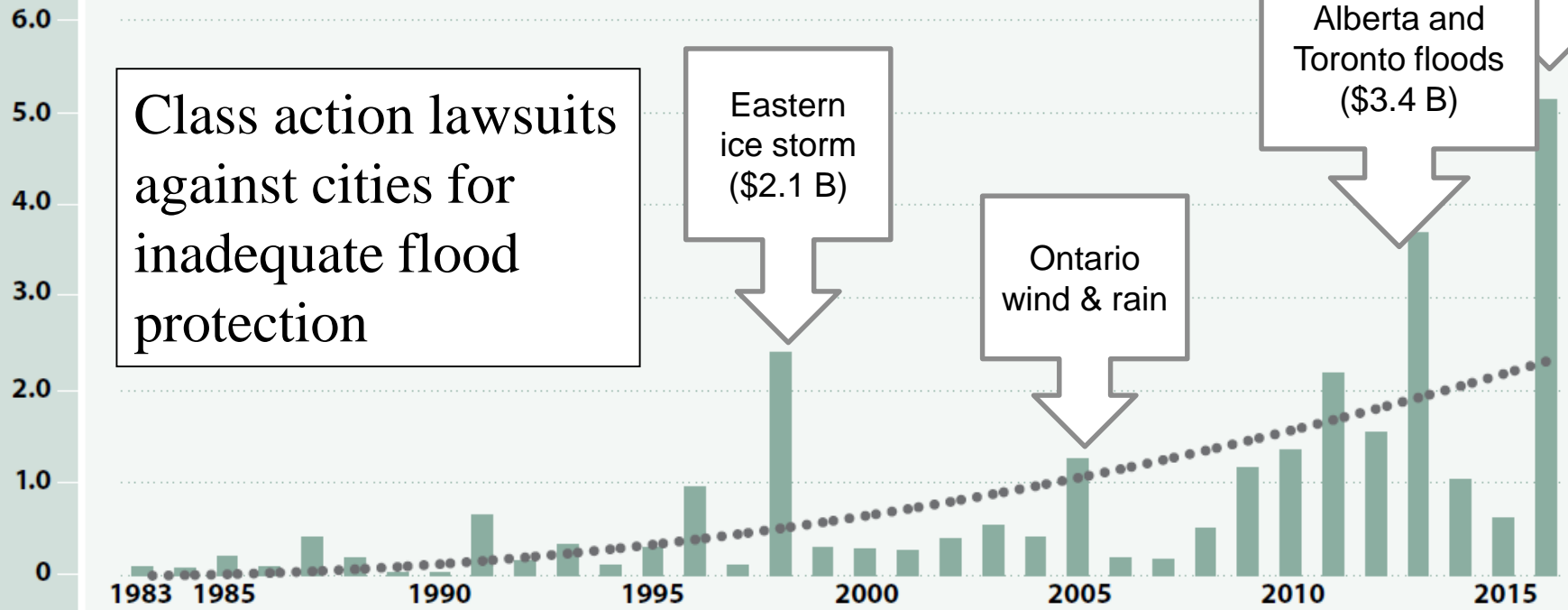
Climate Change Affects Everyone

Recent Examples



Economic Impacts

Catastrophic losses in Canada in \$000,000,000



■ Loss + Loss Adjustment Expenses in 2016 dollars
 ● Estimated Trend Line

Source: IBC, PCS Canada, CatIQ, Swiss re, Munich Re, Deloitte

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Milestones

Mitigation

Adaptation/ Resilience

Understand

✓ GHG Inventory

✓ Hazards Identification
Vulnerability Assessment

Plan

✓ Reduction Targets

✓ Energy Evolution 1:
Renewable Energy

Energy Evolution 2:
Buildings &
Transportation

Agriculture,
waste and
wastewater
emissions

• Resilience Targets
• Adaptation & Resilience Plan

Implement

✓ 2017 catalyst projects
• Community Energy Innovation Fund
• Implement Energy Evolution actions

✓ Current actions (e.g. health,
emergency, flood risk profile)
• Implement Resilience Plan

Monitor &
report

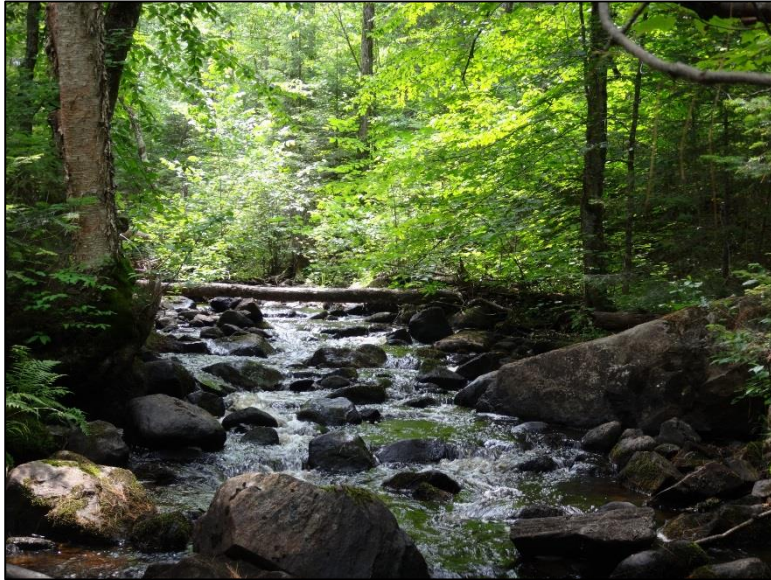
Track emissions and targets
Report and update strategy

Track hazards and resilience
indicators and update strategy



**Adaptation Depends
upon Resiliency and
Diversity**

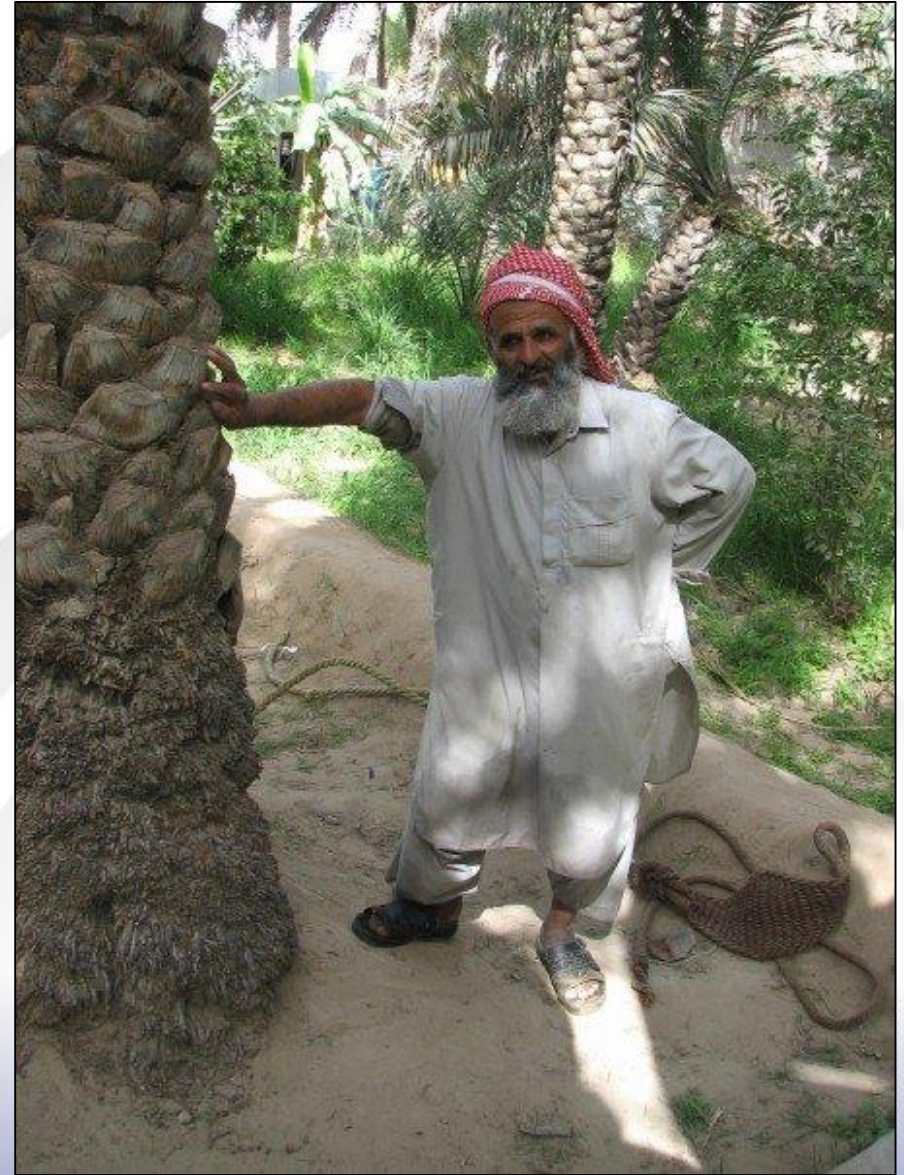
Biodiversity



Urban Forest



UAE Urban Forest





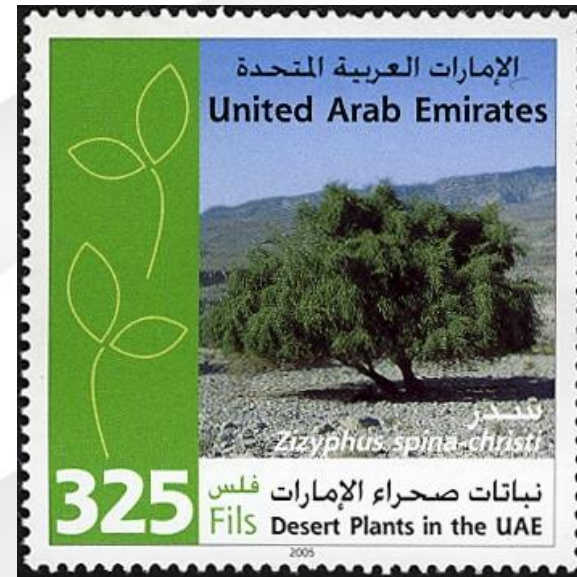
Tree Diversity



Tree Planting



Trees of the UAE



Thank you

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