

EXTREMES WORKSHOP: MOTIVATION AND OBJECTIVES

2000-2009 TOP WEATHER STORIES

1. Vanishing Arctic ice in 2007.
2. B.C.'s year of disastrous weather -- fires, floods and freezes in 2003.
3. Prairies plagued with one of its worst growing seasons ever in 2002.
4. B.C.'s weather woes in 2006.
5. Alberta's floods in 2005.
6. The summer that wasn't for most of Canada in 2009.
7. The East's big summer soak in 2008.
8. Storm drowns and pounds Edmonton in 2004.
9. Canada dry from coast to coast in 2001.
10. 2000 tornado in Red Deer, Alta., that killed 12 and injured 140.



2011
How serious will the flooding be?

CANADA AND EXTREMES

Because of its importance, many research and impact related activities linked with Extremes

Government

Academia

Private Sector

AND

- Through the Canadian Foundation for Climate and Atmospheric Sciences ...

DRI Drought Research Initiative

STAR Storm Studies in the Arctic

IP3 Improving Processes & Parameterizations
for Prediction in Cold regions Hydrology

... plus many individual grants

- and within other efforts linked with for example:

World Weather Research Programme

...

Drought Research Initiative

One type of extreme over **one** region of Canada and **one** particular event

- as opposed to ..

All types of extremes **all** over Canada at **all** time scales ...

REALITY CHECK 2011

The issue of Extremes is only increasing in importance ...

but

Major funding may largely be over for addressing these issues ...

although

Maybe there are other opportunities?

AND

- Should we consider addressing ‘Extremes’ in a more systematic manner?

U.S. ...

Thinking big ... and continental

They are saying ...

We've done the components, now let's address the big issues ...

For example, TRACE*.

* Terrestrial Regional North American hydroclimate Experiment

So, let's say what needs to be done

Objective:

- 1.To develop a consensus on the critical elements to be included in a science plan on understanding and adapting to extremes.
- 2.To develop a strategy for implementing a project to address these science and policy issues.


And of course ...

To learn from each other

WORKSHOP STRUCTURE

- Impacts
- Science
- Across the Country/Continent
- What's being done

- Ideas to Move Ahead



Enjoy the workshop!

southern Manitoba June 2005