Community Perspectives on Climate Change Impacts on Water.

December 3rd, 2007.

Lorena Patino & Susana Prado



SESSION OBJECTIVES

-To facilitate knowledge transfer.



- By using maps and images, to stimulate discussion and allow community members to assess potential impacts of climate change on water, and evaluate the implications of those impacts within the context of the identified vulnerabilities. → How do people see themselves adapting?
- To develop a set of community recommendations to policy-makers.

Caption: Bonnie Galenzoski



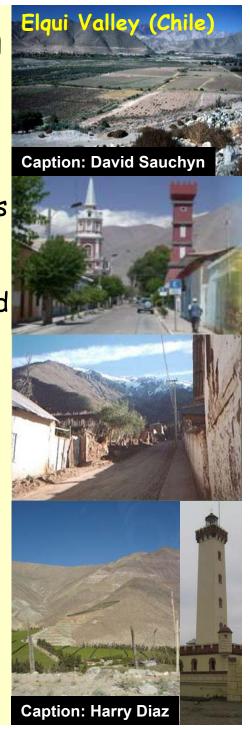


INSTITUTIONAL ADAPTATION ON CLIMATE CHANGE PROJECT

A research project supported by the Social Sciences and Humanities Research Council (2004-2008).

An interdisciplinary team composed by 30 researchers and research assistants.

With the partnership of five Canadian universities (Regina, Saskatchewan, Guelph, British Columbia, y Athabasca), a Chilean university (the Universidad de La Serena) and a large number of public and private agencies in Canada and Chile.



IACC project seeks to understand the adaptive capacities of rural communities and rural households and the roles played by governance institutions in the development of those capacities.

IACC Objectives

- 1. To identify the current social and physical vulnerabilities of rural communities related to water resource scarcity in the two basins:
- 2. To examine the effects of climate change risks on the identified vulnerabilities; and
- 3. To assess the technical and social adaptive capacities of the regional institutions to address the vulnerabilities of rural communities to current water scarcity and climate change risks.

VULNERABILITY



VULNERABILITY

- the inability to respond to stress
 - susceptibility to be harmed

CURRENT VULNERABILITY

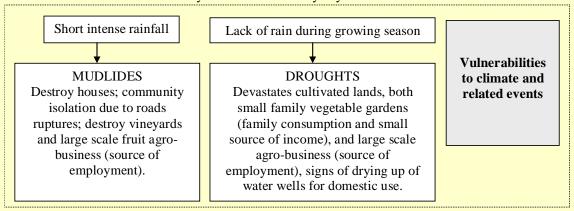
FUTURE VULNERABILITY



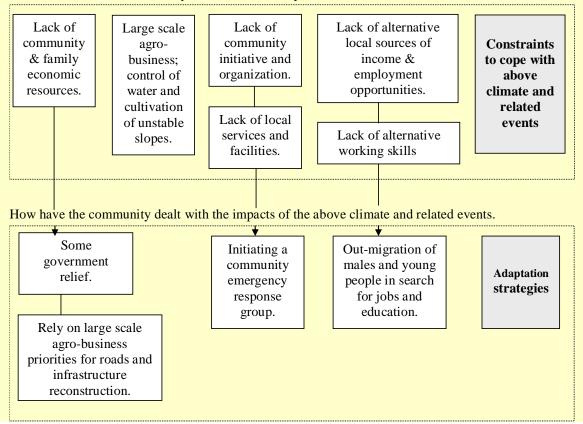


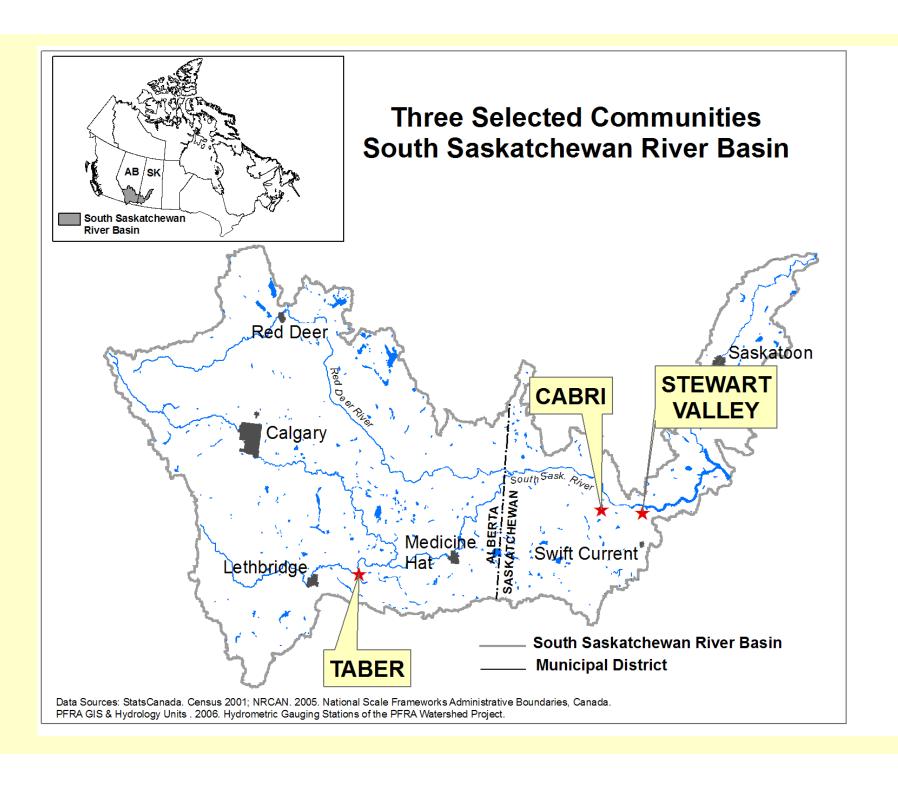
EXAMPLE OF COMMUNITY VULNERABILITY TO CLIMATE

In terms of climate related events and water list the main climate events and their impacts that you consider relevant for the community livelihood and every day lives.



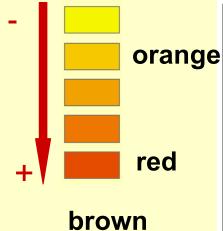
What constraints the community to deal with the impacts of the above climate and related events.



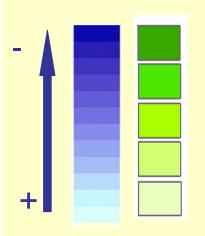


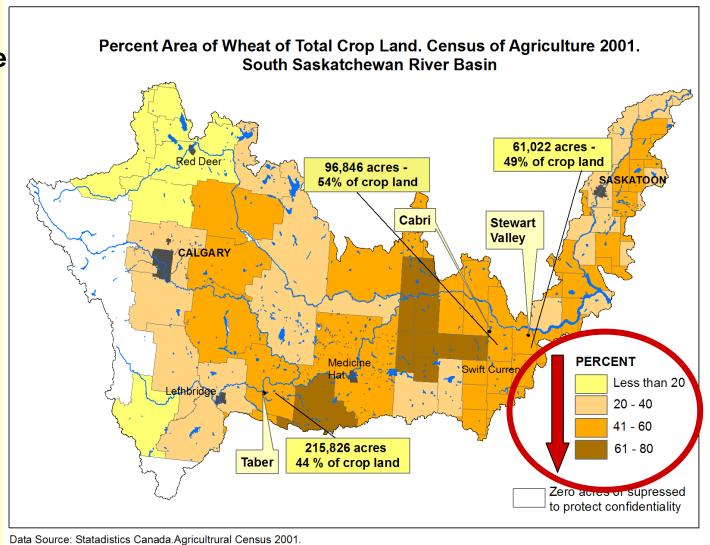
INCREASE

yellow

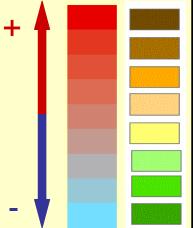


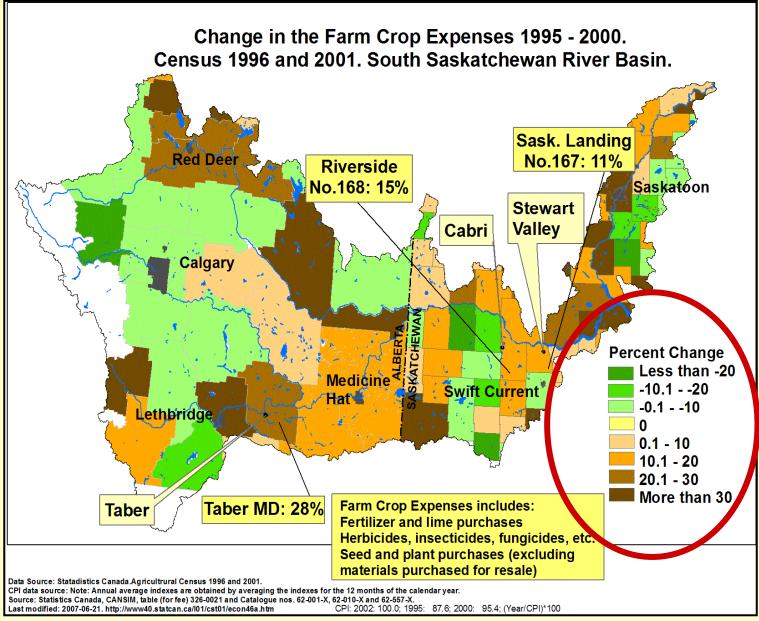
DECREASE



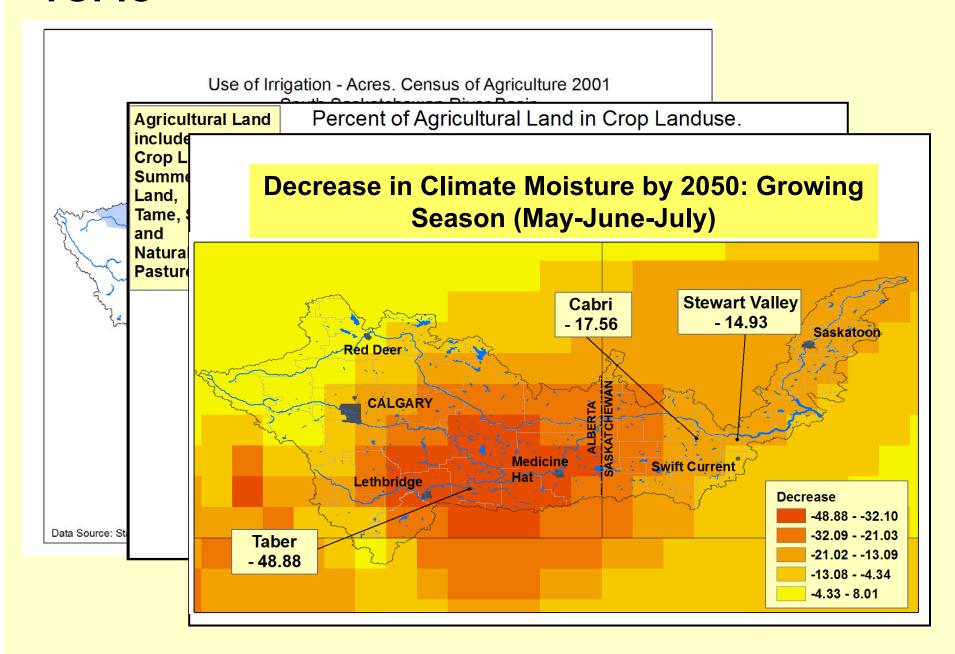


MIXED





TOPIC



AGENDA

Community perspectives on climate change impacts on water survey session

Taber, December 3rd, 2007.

The survey session is intended to:

- 1. Develop a scheme of the current community vulnerabilities to climate and related water events.
- Present to participants the findings of the interviews pursued during the summer of 2006 by Susana Prado. This section will present community exposures and adaptive strategies to deal with current impacts of climate related events on water.
- 3. Present to participants potential future climate change scenarios in the South Saskatchewan River Basin, and their potential impacts on water.
- 4. Listen to participants' reactions/concerns/recommendations/feedback to potential impacts of future climate change on water.
- 09:00 Coffee and muffins.
- **09:15** Welcome, presentation of the goal of the research, introduction to the idea of vulnerability and related concepts, and the purpose and expected outcomes of this session.
- **09:30** Group discussion and development of community vulnerability scheme of the impacts of current climate related events on water. Split in 2 groups.
- 10:15 Refreshment break
- **10:30** Presentation of <u>current</u> community exposures and adaptation strategies to the impacts of climate change on water.
- **11:00** Refinement of scheme of community vulnerability to climate, if necessary.
- **11:15** Presentation of potential impacts of future climate change on water.
- 11:45 Lunch (will be provided)

- **11:45** Lunch (will be provided)
- **13:00** Discussion of implications of potential impacts of future climate change on current exposures and adaptive strategies.
- **13:30** Discussion of the role of government institutions under potential impacts of future climate change on water.
- **14:00** Thank you and wrap up.