

# PARC/C-CIARN Prairies Initiatives: SSHRC Project, Elders Gathering, Climate Change Online Course



Dave Sauchyn  
C-CIARN Prairies

Prairie Adaptation Research Collaborative

C-CIARN Steering Committee Meeting  
March 8, 2004, Vancouver



**Institutional adaptations to climate change:  
comparative study of dryland river basins in  
Canada and Chile**



Social Sciences and Humanities  
Research Council of Canada

Major Collaborative Research Initiatives (MCRI)  
program

\$2.43 M over five years

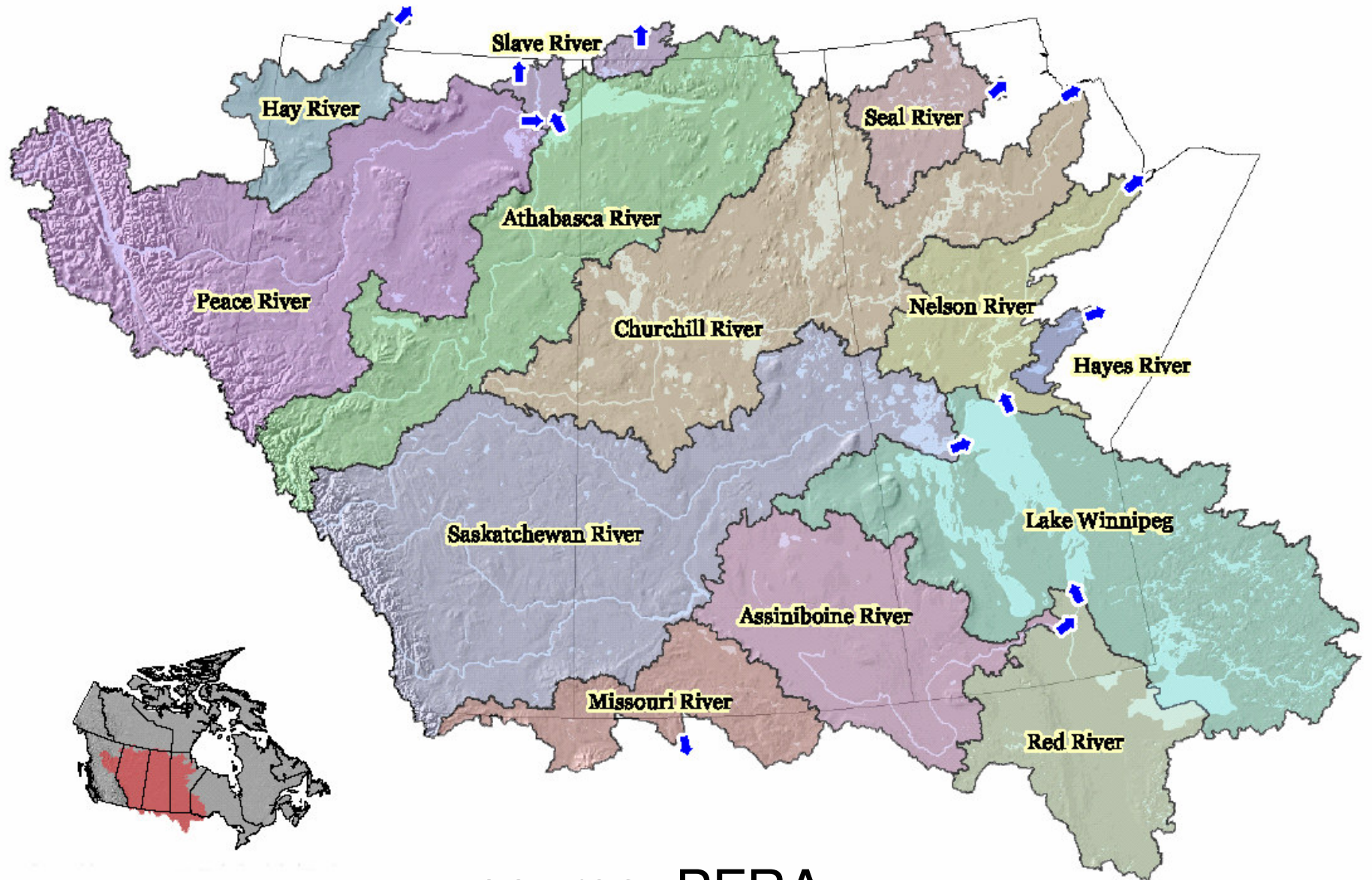


The **goal** of our project is to develop a systematic and comprehensive understanding of the technical and social capacities of regional institutions to formulate and implement strategies of adaptation to climate change risks and the forecasted impacts of climate change on the supply and management of water resources in dryland environments. We will address this goal through a comparative study of two large, regional, dryland water basins at different stages of social and environmental vulnerability to climate change.

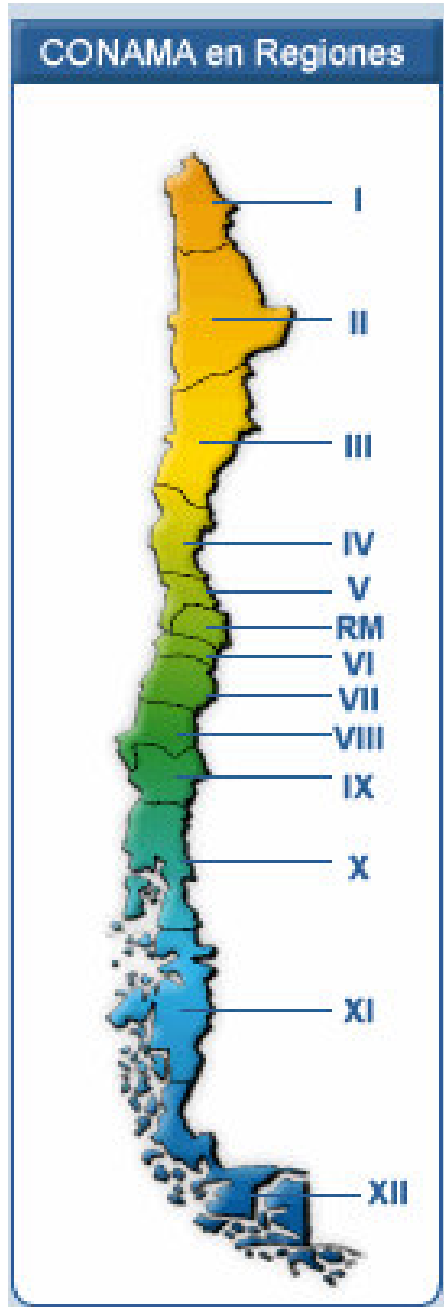


## Research objectives:

1. to identify the current physical and social vulnerabilities related to water resource scarcity in the two dryland regions;
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 to current water scarcity and climate change risks



source: PFRA



# Region IV





## Team Members

University of Regina

University of  
Saskatchewan

University of British  
Columbia

University of Guelph  
PFRA

Universidad de la Serena

Instituto de Ecologia  
Politica

Polo Diaz (PI), David Gauthier,  
Greg Marchildon, **Dave Sauchyn**  
Suren Kulshreshta, Elaine Wheaton  
(SRC)

Alejandro Rojas

**Barry Smit**

Darrell Corkell

Sonia Salas, Jorge Cepeda-Pizarro,  
Melitta Fiebig, Hector Morales,  
Humberto Zavala

Bernardo Reyes





## PARTNERS:

- Canadian Plains Research Center
- **PARC/C-CIARN Prairies**
- Prairie Farm Rehabilitation Administration (PFRA)
- Alberta Environment
- Saskatchewan Watershed Authority
- Transboundary Waters Unit , Environment Canada
- National Water Research Institute
  
- Centro de Estudios Regionales
- National Commission of the Environment of Chile (CONAMA)
- Centro del Agua para Zonas Aridas y Semiaridas (CAZALAC)
- Instituto de Ecologia Politica (IEP)

**Graduate students:** 4 Ph.D. and 30 Masters



Canadian International  
Development Agency

Agence canadienne de  
développement international

## Rural Community Water Conservation

CIDA Tier II Project

University Partnership, Cooperation and

Development Program , 2003-2007, \$997,170



U of R:

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