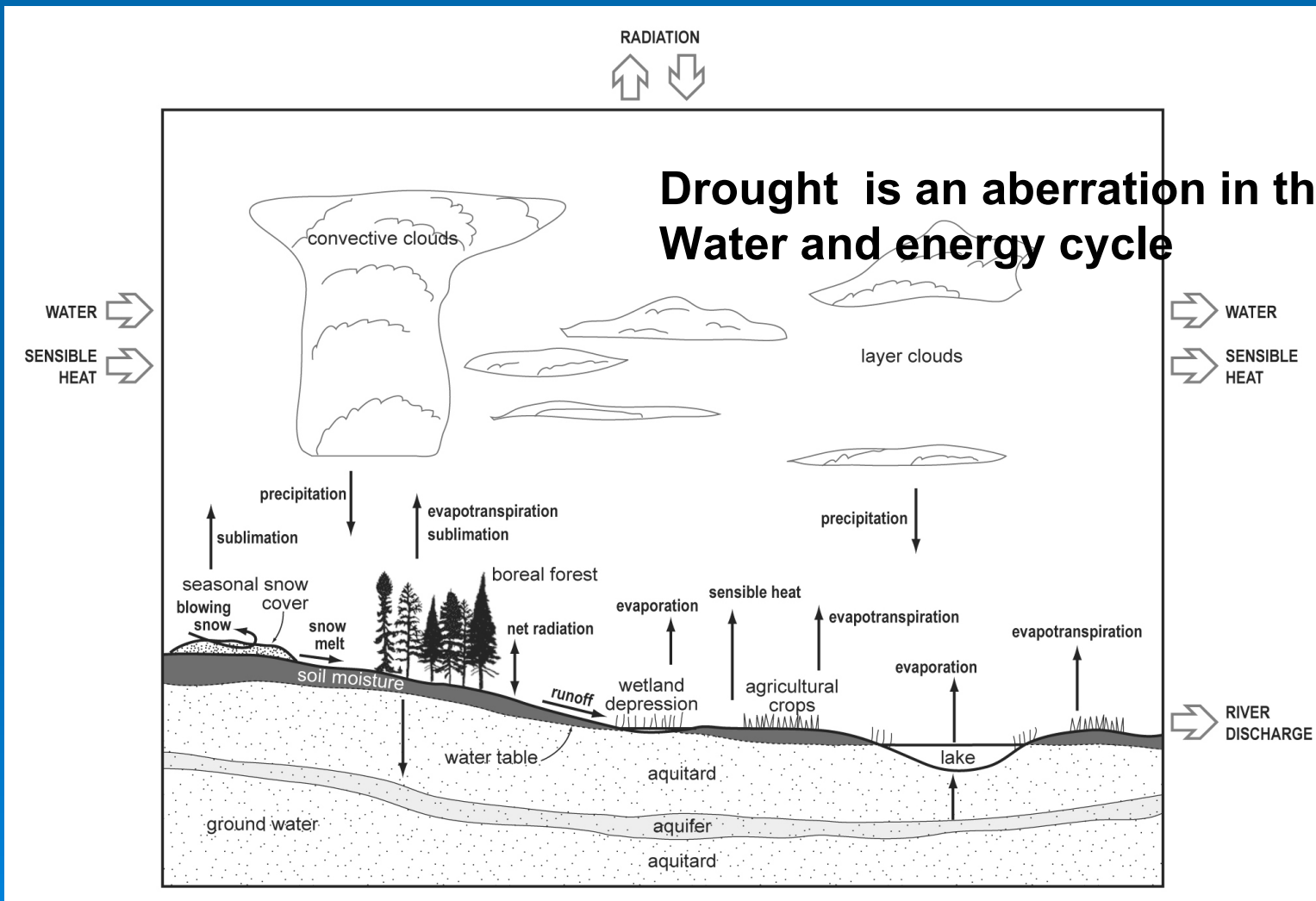


# **DROUGHT RESEARCH INITIATIVE**

***Brief Introduction to Break-Out  
Sessions***



# WATER AND ENERGY CYCLING



# OBJECTIVES AND STRATEGY

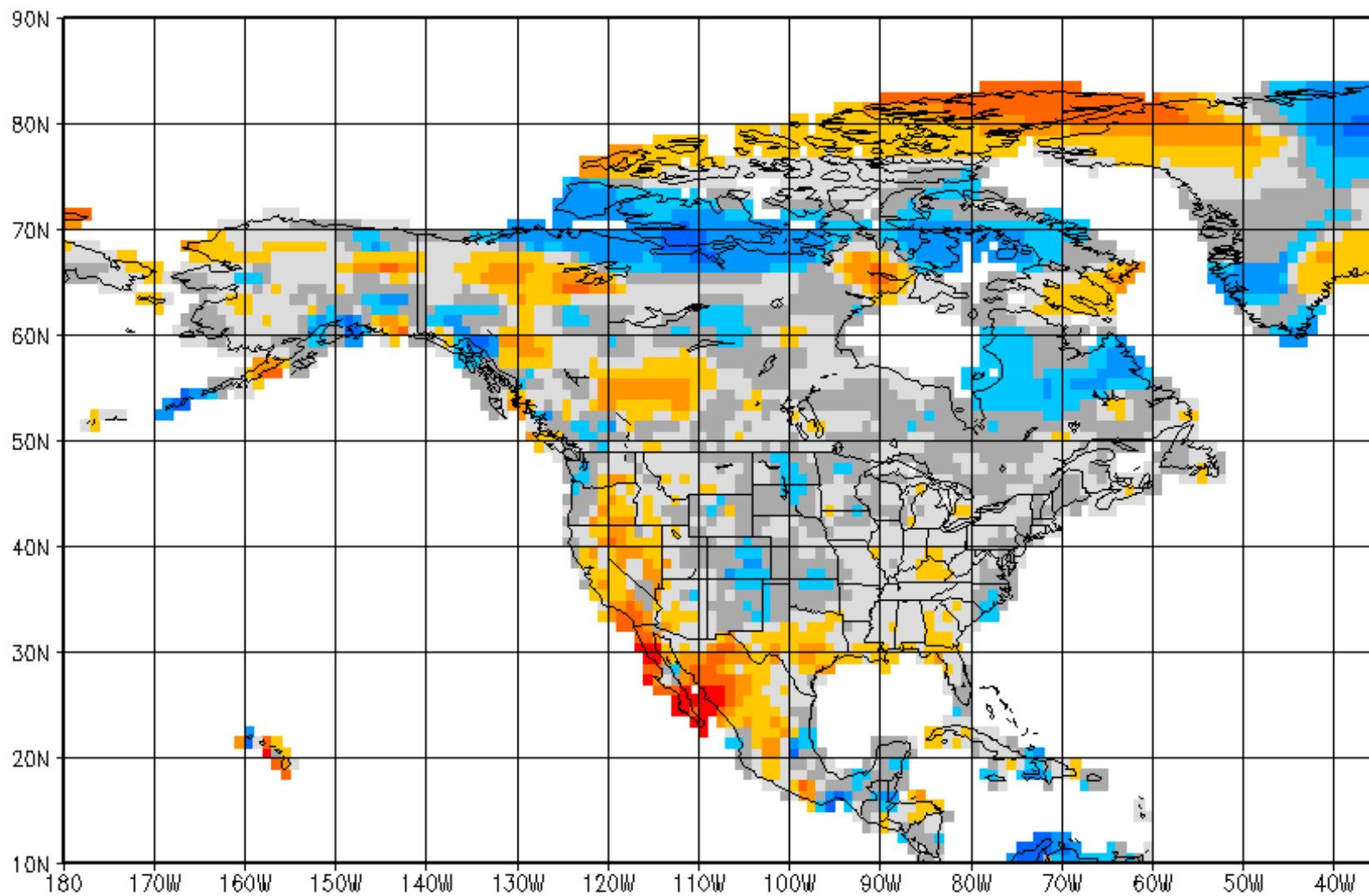
*The objectives of DRI are:*

- *To better understand the physical characteristics of and processes influencing Canadian Prairie droughts, and*
- *To contribute to their better prediction,*

*Strategy:*

- *Focus on the recent severe drought that began in 1999 and largely ended in 2005*

GPCC Full Data Product Version3 Gauge-Based Analysis 1.0 degree  
precipitation percentage of normals 61/90 for year (Jan - Dec) 1999  
(grid based)



(c) GPCC 2006/11/29



# DRI THEMES

- **Quantify the physical features** of drought over time and space,
  - flows of water and energy into and out of the region, and
  - storage and redistribution within the region
- **Improve the understanding** of processes and feedbacks governing the
  - formation,
  - evolution,
  - cessation and
  - structure of the drought
- Assess and reduce uncertainties in the **prediction of drought** and its structure.
- **Compare the similarities and differences of current drought to previous droughts and those in other regions**
- **Apply our progress to address critical issues of importance to society**

# THEME LEAD PRESENTATIONS

For each theme:

- Initial Presentation by Theme Lead
  - objective
  - strategy (including cross-cutting initiatives)
  - milestones
  - progress
  - issues, challenges and plans
  - their expectations from the working group discussions
- Breakout
  - working through issues and challenges

# BREAKOUT Summaries

## Break-out Groups

### Review the goal of the Theme/effort

- How is the Theme/activity coming along?
- What do we need to do to reach our goal?
  - including needs from (contributions to) other Themes
- What specific do-able activities can be done:
  - next year
  - end of DRI (2010 is close!)
- What are specific legacy 'products' from DRI?
- How can we utilize the CFCAS call for proposals?

# CFCAS Supplemental Funding

Up to \$200K over 2 years:

Focal points:

- Enhanced Research Coordination and Integration Activities
- Enhanced Data Management and Data Archiving Activities
- Enhanced Transfer of Results, Knowledge Transfer and Outreach Activities (especially to End Users, Stakeholders and Policy Makers)

Deadline: February 15, 2008



# BREAKOUT Summaries

## Working Group 4: Themes 4/5

- What are our objectives?
- What have we accomplished?
- What do partners need/expect from DRI?
- What aspects of DRI can partners use?
- What else could DRI do for partners?
- What avenues exist for enhanced DRI-related research in support of partners?
- How do we 'organize' to accomplish these issues?

# DATA/INFORMATION INTEGRATION

## Motivation

- All working groups will say access to data/information as a key issue
  - We are in a position to make a substantial contribution to this issue
- ... All relevant data/information readily available to everyone all the time as an appropriate product in digital/visual format ...*

## Integration

- What data/information do we need?
- What are we doing now?
- What accounts for this pattern of use?  
disperse information a contributor?
- How do we most effectively exploit DRI-related information?  
greater synthesis?
- ...
- What steps are needed to more effectively exploit DRI-related information?