



# Welcome!

## **Soil Moisture Monitoring, Analysis and Prediction in Agricultural Landscapes**

June 19 – 20, 2007

Saskatoon, Sk

## Canadian Group on Earth Observation

- **GEO and CGEO**

Governments and organizations agreeing to work together toward an Earth Observation vision

- **Vision**

A healthy, safe and prosperous Canada through comprehensive, sustained and coordinated Earth Observation

- **Who?** Ten federal departments (for now)

- **HOW?** Engages Ministers through GEO Ministerial Summits (next one in South Africa, 30 Nov 2007)

- Not a funding mechanism

## Canadian Group on Earth Observation

- **2003 International summit to advance GEO**
- **2005 Ministers agreed to initiate GEO**
- **CGEO Secretariat founded in September 2005**
  - **CGEO initiated development of a Federal Strategy for Earth Observation**
    - Need for specific actions and priorities
- **2007 Merrickville ON**
  - Identified 3 priority areas
    - Canadian Arctic Monitoring,
    - Analysis and Prediction of the Water Cycle and
    - Infrastructure-Enabling
  - Water Cycle was further focused to Soil Moisture Monitoring

- **2007 Merrickville (Cont'd):**
  - Draft a way forward to monitor soil moisture in agricultural landscapes
  - Report back to CGEO Secretariat this fall
- **This workshop**
  - Key component in drafting the way forward
  - The way forward
    - Will ultimately be part of the Federal Strategy on Earth Observation
    - Rationale for Federal Departments support to soil moisture activities and
    - Opportunity to take leadership roles
    - Starting point for short and mid-term collaborative work
    - Ultimately it will be expanded to the full water cycle

# Soil Moisture Monitoring, Analysis and Prediction in Agricultural Landscapes

**A healthy, safe and prosperous Canada through  
comprehensive, sustained and coordinated Earth  
Observation**

## Prediction, Early Warning and Prevention

Drought management, water management, floods, crop conditions  
assessment, weather & climate forecasting, irrigation planning

## **Objectives of the Workshop**

- Understand the status of soil moisture information in Canada
- Identify user requirements
- Characterize the information requirements and gaps
- Draft process to address these requirements and gaps
- Identification and commitment to short-term collaboration opportunities

**We have the basis for a Path Forward!**

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## Process

- **Draft the way forward document for CGEO**
  - Technical presentations in Sessions 1, and 2 and 3A
  - Session 3B: Breakout Groups to discuss some key questions and prepare for Session 4
  - Session 4 is a group effort to prepare the way forward
- **Maintain dialogue**
  - follow up: user contact list, communication website, and follow-up workshops

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## Logistics

- **Breakout Group sign up sheets are posted**
  - Please sign up
  - Leaders and process have been identified
- **Coffee & Lunch provided**
- **Supper tonight**
  - Let us know if you plan to attend
- **Washrooms**
- **Questions?**
  - See any of the Session Chairs