



Strengthening Economic Security of Irrigated Agriculture in the Oldman Basin (in the context of Climate Extremes & Climate Variability)

Location: Agriculture Canada Research Centre, Highway 3 East, Lethbridge Alberta

Date: Wednesday, November 6, 2013

Time: 9:00 – 14:30 (coffee and lunch provided)

Participating organizations:

- Alberta Irrigation Projects Association; Irrigation Districts; Irrigators/Processors
- Agriculture and Agri-Food Canada; Alberta Agriculture and Rural Development; Alberta Environment and Sustainable Resource Development
- Oldman Watershed Council; Universities of Calgary, Lethbridge, Regina, Saskatchewan

Workshop Objectives:

The workshop “Strengthening Economic Security of Irrigated Agriculture in the Oldman Basin” will begin a discussion with Irrigation Districts and stakeholders on risks and options to address climate variability and climate extremes. The workshops objectives are to:

- **Summarize current and new knowledge of the range of climate and hydrologic variability.**
How do recent experiences compare to the historic past, and, to future modeled scenarios?
- **Begin a stakeholder dialogue towards proactive planning to increase economic resilience for irrigated agriculture.**
What adaptive management options might be possible to reduce risk, consider opportunities, and strengthen economic resilience of irrigated agriculture in the Oldman Basin?

Agenda:

Facilitators: Darrell Corkal, AAFC; U of Regina’s Jessica Vanstone & Bruno Hernani, U of Calgary: Ted Horbulyk

9:00 – 9:10 Welcome – Darrell Corkal, AAFC; David Sauchyn, University of Regina

9:10 – 10:00 Historic and Future Climate Variability

- **Dr. David Sauchyn, U of Regina** and Dr. Aston Chipanshi, AAFC

10:00 – 10:15 Health break (coffee and snacks provided)

10:15 – 13:00 Economic Impacts of Future Climate Variability

- **10:15 – 11:45 Dialogue in Small Groups (Facilitators: Darrell Corkal, P.Eng., AAFC; Jessica Vanstone & Bruno Hernani, U Regina; Dr. Ted Horbulyk, U Calgary)**
- Drought, Flood, Excess Moisture, Climate variability Risks, Challenges, Opportunities
- Preparedness Options for Irrigated Agriculture

11:45 – 12:30 Large Group Discussion

12:30 -14:30 Lunch **Climate & Hydrology Research – Dr. Stefan Kienzle, U Lethbridge**