



Young Professional Training Workshop: Irrigation in Western Canada – From the Mountains to the Plains

Thursday, 16 August 2018

Goals: To provide an overview of agricultural water management in Western Canada since early 1900s, with a focus on how water source (mountain snowmelt) has affected infrastructure development and organization/legislation of water distribution. Participants will have an opportunity to discuss lessons learned in Western Canada and their potential application in other regions in the world and to share insights from their region that could be applied water management here.

Time	Location	Activity
8:30-10:30	TCU, Main entrance	Board vehicles, travel to the Canada-Saskatchewan Irrigation Diversification Centre (CSIDC), Outlook, Saskatchewan, stopping at points of interest along the way
10:30-12:30	CSIDC Boardroom	Irrigation water demand & supply in Western Canada - Roger Hohm (CANCID)
		Organization & legislation of irrigation in Western Canada - Jennifer Nitschelm (Alberta Agriculture & Forestry)
		Functioning of Irrigation Districts - Margo Redelback (Alberta Irrigation Projects Association) - Brian Bartel (South Saskatchewan River Irrigation District)
12:30-1:00	CSIDC Picnic area	Lunch (provided)
1:00-4:00	CSIDC Field Tour of Research and Demonstration plots	Solar irrigation systems - CSIDC staff
		Horticultural irrigation - CSIDC staff
		Irrigation technology development in Canada over three decades - CSIDC staff
		Need for precision agriculture & irrigation - Evan Derdall (Agriculture and Agri-Food Canada [AAFC])
		Showcase of tools for precision irrigation - Jay Bauer (University of Saskatchewan), Evan Derdall (AAFC)
		Use of EM equipment for irrigation certification - CSIDC staff
		Hands-on assessment of soil variability for variable rate irrigation - Evan Derdall (AAFC), Willemijn Appels (Lethbridge College); CSIDC staff
4:00-5:00	CSIDC, Main entrance	Board vehicles to return to TCU, Saskatoon