

Fourth Drought Research Initiative Workshop
Delta Regina Hotel, Regina SK
January 26-28, 2009

LATEST DRAFT AGENDA
(DRAFT as of January 25, 2009)

(This workshop agenda is intended to provide updates on DRI research and to provide sufficient time for discussion of key priority issues for DRI between January 2009 and the end of the project. It will also provide DRI scientists with an opportunity to indicate how their research contributes to the central questions being posed in the DRI synthesis.)

Monday, January 26, 2009

07:30 - 08:30: Registration and Breakfast Buffet
(Location: Outside the Umbria Room)

0830 – 10:30: Session #1: (Umbria Room)

- Welcome and Introduction to Saskatchewan, CFCAS and overview of DRI
- Welcome to Saskatchewan and the Significance of Drought in Saskatchewan
(Honourable Christine Tell, Minister of Tourism, Parks, Culture and Sport,
Government of Saskatchewan)
- CFCAS perspectives on DRI (Erica Wilson)
- DRI Progress during the past year (John Pomeroy, Ron Stewart)
- Programmatic issues and workshop objectives (Rick Lawford)
- Towards the DRI Synthesis (Ron Stewart)

10:30 – 11:00: Break

11:00 – 1145: Session #2: (Umbria Room) International Drought Research

- Mark Svoboda (University of Nebraska)
- Richard Heim (NOAA/NCDC)
- Hugo Berbery: (University of Maryland)
- Discussion

11:45 – 12:30: Session #3: (Umbria Room) Other Highlights from 2008

- Western Water Stewardship Council and Drought (Dwight Williamson)
- Report from the Drought Characterization Workshop (John Hanesiak)
- The Drought Early Warning System and its contribution to Drought Preparedness:
(Nancy Lee)
- Discussion

12:30 – 13:30: Lunch (On your own)

13:30 - 15:00: Session #4: (Umbria Room) Partner and Potential Partner Presentations

PAC Overview: Harvey Hill
Environment Canada agrometeorology programs (Ted O'Brien)
Agriculture and Agrifood Canada (TBC)
Saskatchewan Watersheds (Bart Ogema)
Manitoba Water Stewardship (TBC)
Alberta Agriculture (Daniel Itenfisu)
Water Initiatives in Western Canada (Robert Sanford)
The WC2N Network (Dennis Straussfogel)
The IP3 Network (John Pomeroy)
Discussion

15:00 – 15:20: Break

15:20 – 16:30: Session #5: (Location: Umbria): Data Systems and Satellite Data Applications

Phillip Harder
Patrice Constanza
Steve Williams (NCAR Data Systems)
Al Howard (PFRA Data Systems)
Ken Koproral (Canadian GEO)
Sushen Wang (CCRS Data and Models)
Discussion

16:30 – 17:20: Session #6: (Umbria Room) Drought Characterization (including mapping, comparisons and impacts) (Presentations should address topics in the DRI Synthesis)

Dave Sauchyn
Alison Meinert/Elaine Wheaton
John Hanesiak/ Julian Brimelow
Paul Bullock
Others
Discussion

17:20 – 18:00: Session #7 (Umbria Room) Regional water and energy processes and budgets (Presentations should address topics in the DRI Synthesis)

Kit Szeto
Ron Stewart/ William Henson/ Hannah Carmichael
Henry Leighton
Geoff Strong
Others
Discussion

18:15 – 20:00: Session #8 (early evening) (Location: Lombardy): Poster Session and Reception

Clement O. Agboma*, Kenneth R. Snelgrove: Storage Pattern Assessment during Canadian Prairie Drought

Jon Belanger: Characterizing the temporal persistence of soil moisture fields in Alberta

Julian Brimelow*, John Hanesiak*, Richard Raddatz* and Masaki Hayashi†: Validation of the prairie agro-meteorological model (PAMII) over contrasting vegetation types and for contrasting growing seasons

AKM Bhuiyan, John Hanesiak, and Peter Rasmussen: Droughts during 1999-2004 over Canadian Prairies

Catherine Champagne^{1,2*}, Aaron Berg², Heather McNairn¹: Remote Sensing of Soil Moisture over Agricultural Sites in Canada

HAL Lab/ MESH development and information poster

Yi Luo, Alexander P. Trishchenko, Shusen Wang, Konstantin V. Khlopenkov: Variability of surface albedo in Canadian Prairie in drought and non-drought conditions observed from MODIS

Trudy McCormack, Henry Leighton: Evaluation of CRCM output during the 1999-2004 Canadian Prairie drought

M. Mkhabela, P. Bullock and M. Gervais: Environmental indicators of agricultural drought impacts on spring wheat in western Canada

Shaw and Pietroniro - Topographic Analysis in a prairie pothole region

Kevin Shook and John Pomeroy: Determining prairie hydrological drought

Dennis Straussfogel: Western Canadian Cryosphere Network (WC2N)

Yan Yang*, Shusen Wang, Yi Luo, Alexander P. Trishchenko: Variability of fAPAR in Canadian Prairie during 2000-2008

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Tuesday, January 27, 2009

07:45- 08:30: Continental Breakfast (to be served outside Umbria)

08:30 – 09:10: Session #9: (Umbria Room) Large scale Atmospheric Circulation Controls
(Presentations should address topics in the DRI Synthesis)

John Gyakum/ Eyad Atallah
Barrie Bonsal
Amir Shabbar
Discussion

09:10 – 10:10: Session #10 (Location: Umbria) : Hydrologic Processes (Presentations should address topics in the DRI Synthesis)

John Pomeroy
Garth van der Kamp
Al Woodbury
Masaki Hayashi
Brenda Toth/Al Pietroniro - MESH modeling results
Discussion

10:10- 10:40: Break

10:40 – 11:20: Session #11: (Location: Umbria): Predictions and Simulations (Presentations should address topics in the DRI Synthesis)

Charles Lin
Aaron Berg
Shaw/Pietroniro - Connectivity and Parameterization of Prairie Potholes
Others
Discussion

11:20 – 12:30: Session #12: (Umbria): Theme Overviews:

John Hanesiak (Theme #1)
Masaki Hayashi (Theme #2)
Charles Lin (Theme #3)
Themes 4 and 5 are optional
Discussion

12:30 – 13:45: Lunch

13:45 – 14:00: Charge to the Workshop and Break

14:00 – 16:00: Session #13: Working Group Discussions

Working Group #1: Theme #1 Synthesis Paper (Location: Umbria Room)
Working Group #2: Strategy for the Prediction Component of DRI (Location:
Compania B Room)

Working Group #3: Partner Advisory Committee (Location: Tuscany A Room)

16:00- 17:00: Reports from the Working Groups Discussions

18:30 – 20:30: BoD dinner meeting.(Compania B Room)

Wednesday, January 28, 2009

07:45 – 08:30: Continental Breakfast (to be served outside Umbria)

Session #14: (Umbria)

08:30 – 08:45: The Board of Directors perspective on DRI (Jim Bruce)

08:45 – 09:00: Summary of previous day's discussions and guidance for final morning discussion (Ronald Stewart)

09:00 – 10:30: Working Groups:

WG #1: DRI – Legacy and Future (Umbria Room)

WG#2: DRI – Legacy and Future (Verdi Room)

10:30 – 10:45: Break

10:45 – 11:15: Reports from the working groups plus discussion (Umbria)

11:15 – 11:45: General Discussion:

11:45 – 12:00: Workshop Wrap-up

Summary of Decisions/ Actions

Adjournment

(Topics:

Gaps in scientific activities:

Progress on

- the DRI legacy,

- future drought prediction research,

- Implementing DRI results in operational environments,

- The overall DRI synthesis.

12:00 – 13:30: Science Committee Lunch Meeting (Cellini Room)

13:45 – 17:00: DEWS exercise (Location: Umbria)

Also a DPP/DEWS workshop will be held with managers from the Saskatchewan government on Thursday, January 29, 2009. The workshop will take place in a meeting room being organized by PRFE.

