

CAIRN

AN ERCA RESEARCH NETWORK

Member Introductions

2009-10 Planning Workshop

December 6-7, 2009

Banff, Alberta

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Julian Alston (New Member)

- Agricultural & Resource Economics, UC Davis
- Current Research
 - Document ag research institutions & investments around the world
 - Model & measure payoff to ag research investments
 - Design research policies
 - Mechanisms for funding ag R&D & allocating resources
 - Implications of climate change on wine industry

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Derek Brewin (Executive)

- Agribusiness & Ag Economics, U of Manitoba
- Current Research
 - Regional Income Growth and Human Capital Stocks
 - Firm Level Innovation in Food Processing
- CAIRN Research Ideas
 - Measuring Innovation Impacts (Human Cap)
 - Flexibility Effects on Innovation

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Ryan Cardwell

- Agribusiness & Ag Economics, U of Manitoba
- Current Research
 - Food Aid & Biofuel Policies
 - TRIPS & IPR Protection
 - Poultry Trade: Doha & Canadian Chicken Industry
 - Multilateral Trade Liberalisation & FDI
- CAIRN Related Research
 - Trading relationships & IPR protection
 - Role of IPR in food-processing FDI decisions

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Richard Carew

(New Member)

- Agriculture & Agri-Food Canada, Summerland BC
- Current Research
 - Impact of innovation, organizational change and market deregulation on BC wine industry
 - Comparative study on innovation changes in BC & ON wine industries
 - Measure role of biodiversity, weather, fertilizer & PBR vars on barley productivity
- CAIRN Research Idea
 - Measure success of tech transfer & commercialization research projects (e.g., MII program)

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Stephen Clark

- Business & Social Sciences, Nova Scotia Ag College
- Research Interests
 - Economics of government payments to agriculture
 - Disease outbreak compensation
 - Economics of climate change
 - Quality vs quantity in consumer demand

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John Cranfield

- Ag Economics & Agribusiness, U of Guelph (sabbatical)
- Current Research
 - Critical success factors & obstacles for functional food and NHP firms' ability to create & capture value
 - Role & impact of alternative IP modalities on functional food and NHP firm performance & innovativeness
 - Evaluating effectiveness of & return to Cdn cattle producer investment in marketing and R&D activities

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John Cranfield

- CAIRN Research Ideas
 - Impact of regulation on food-firm performance
 - Location and extent of innovation in trans-national supply chains
 - Optimal matching rules for public-private research/innovation partnering
 - Integrating elements of neoclassical economics and the strategic management literature into innovation performance analysis

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Murray Fulton (Executive)

- JS School of Public Policy, U of Saskatchewan
- Current Research
 - Member heterogeneity & producer group research levies
 - Market failure in moving to new market equilibria
 - Over optimism & firm behavior
 - Property rights in zero-till development (Awada PhD)

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Murray Fulton

- Current Research (Cont'd)
 - Socio-cultural factors in zero-till adoption (Awada PhD)
 - Mechanisms for encouraging co-operation & coordination in business systems (Uzea PhD)
- CAIRN Research Ideas
 - Development & adoption of zero-till, pulse crops & canola from innovations system perspective
 - Co-operation & coordination in innovation systems

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Greg Graff (New Member)

- Agric & Resource Economics, Colorado State
- Current Research
 - IP landscape of biofuels
 - Global landscape of gene patents & IP policies
 - University tech transfer
 - Mechanisms for access to genetic/genomic IP
 - Global political economy of ag biotech
 - Sustainability principles in biofuel incentives

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Richard Gray

- Bioresource Policy, Business & Econ, U of S
- Current Research
 - Role of public, corporate and producer-directed levy-funded research
 - During 2010/11 sabbatical examining innovation systems in France & Australia
 - IP management & anti-commons issues
 - Institutional barriers to levy-funded crop research
 - ROR to zero-till research in western Canada
- Future Ideas for Research
 - Anti-commons theory as it relates to innovation systems

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Jill Hobbs

- Dept. Head, Bioresource Policy, Business & Econ, U of Saskatchewan
- Current Research
 - Traceability & authenticity of foods from analytical and consumer perspectives
 - Governance implications for development of new markets
 - Supply chain economics: Assessment of bilateral dependencies for ethanol plants

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Jill Hobbs

- CAIRN Research Ideas
 - Interface between regulation & private standards and the potential role for co-regulation
 - Traceability & authenticity technologies and implications for industry coordination
 - Multi-network collaboration with Consumer & Market Demand
 - Food innovations and consumer acceptance, balancing consumer protection and innovation

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Kurt Klein

- Dept. of Economics, U of Lethbridge
- Current Research
 - New technologies in production of biofuels & bio-products
 - BMPs in irrigation for cropping activities

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Bon Koo

- Management Sciences, U of Waterloo
- Current Research
 - Patenting vs secrecy
 - Protection of plant-related innovations in USA
 - International assessment of patenting in genetics
- CAIRN Research Areas of Interest
 - Innovation systems analysis
 - Innovation impact measurement
 - Bioenergy/bioproduct development
 - Environmental stewardship

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Andréanne Léger

- Science & Strategy Development, Research Branch, AAFC
- Current Research
 - Develop resource allocation method for AAFC science priorities
 - Analyze Canadian agric & agri-food innovation system
 - Comparative analysis of research & innovation organizational models
 - Develop indicators for measuring science results & impacts
- Future Research
 - Follow-up on composition of research portfolios
 - Structure & performance of commercialization

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Peter Phillips

- JS School of Public Policy, U of Saskatchewan
- Current Research
 - Value Addition Through Genomics & GE3LS
 - SSHRC MCRI on Innovation Systems Research Network II
 - Advanced Foods & Materials National Centre of Excellence
 - Translating Knowledge in Health Systems

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Stuart Smyth (New Member)

- Bioresource Policy, Business & Econ, U of S
- Current Research
 - VALGEN– Value Addition through Genomics and GE³LS
 - Two other Genome Canada projects
 - Marketplace liabilities created by innovation
 - March 2010 book
- Future Research Ideas
 - How Canada will manage commercialization of new industrial crops for industrial usage

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David Sparling (Executive)

- Richard Ivey School of Business
- Current Research
 - With Brandon Schaufele & Pam Laughland
 - Food & health case studies
 - Under-investment in ag R&D by producer groups
- Future Research Idea
 - Bioproduct innovation; case studies examining evolution of bioproduct industry

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Jim Vercammen (Executive)

- Food & Resource Economics and Sauder School of Business, UBC
- Current Research
 - Rebate vs Usage Tax: Efficient Policy for New Technology Adoption
 - R&D Decisions with Endogenous Info Collection
 - Holdup vs Option Value as Determinant of Investment Decisions in Vertical S-Chains
 - Private ROI in small scale Green Electricity Projects

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Jim Vercammen

- CAIRN Research Ideas
 - Process of regulation
 - Regulatory delay
 - Unintended consequences of regulation
 - Measurement of regulation's impact on innovation
 - Regulation and adverse selection in innovation
 - Efficient regulations for patents & technology licenses

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CAIRN Funded Proposals

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Details on 2009-10 RFP

- RFP out Oct 11 with Oct 31 deadline
- Learned Oct 16 that AAFC would allow expenses as of October 1, 2009
- Cannot carry forward 2009-10 funding
- Early call to have research in first year; pressure to not over commit
- 10 proposals received; 4 asked to resubmit in 2010-11 RFP

2009-10 Requested	2009-10 Allocated	2010-11 Requested	2010-11 Allocated
\$58,510	\$58,510	\$95,980	\$31,250

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2010-11 Request for Proposals

- RFP to be sent out shortly
- Deadline likely January 15th
- 18 months is max. length
- In proposal, indicate budget by fiscal year
- 2010-11: \$108,000 – \$31,250 = **\$76,750**
- May be lower
 - Network leads interested in funding multi-network proposals

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Student Research Proposals

- Rim Lassoued, U of S
 - Jill Hobbs
 - Co-regulation: Exploring the Interface between Regulation & Private Standards
 - Est. Completion Date: March 31, 2010
- Eric Froystad
 - Jim Vercammen, Murray Fulton, Richard Gray
 - Innovation in Prod. Checkoffs & Institutional Lock-in
 - Est. Completion Date: March 31, 2010

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Student Research Proposals

- Sparling & Shaufele
 - Under-investment in Ag R&D by Producer Groups: Exploring Alternative Explanations
 - Est. Completion Date: March 31, 2010
- Malla & Hobbs
 - Functional Foods & Nutraceutical Regs, Policies and R&D
 - Est. Completion Date: June 30, 2010
- Katarzyna Bolek, U of S
 - Richard Gray, Julian Alston
 - Econ. of GRDC Seed Industry IP Mgt/Ownership Models
 - Est. Completion Date: July 31, 2010

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Student Research Proposals

- Steiner & Cranfield (partially funded)
 - Innovation Performance, Strategies & Capacity in Canadian Food Processing Industry
 - Est. Completion Date: December 15, 2010
- Bartlett, NSAC
 - Steve Clark, Shelley Thompson
 - Regulatory Regimes for “Buy Local” Markets
 - Est. Completion Date: July 31, 2011

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Innovation Analysis Session

- Panelists
 - Murray Fulton
 - Andr anne L ger
 - Peter Phillips
 - Richard Gray

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Regulatory Analysis Session

- Jim Vercammen
 - Literature review on innovation & regulation
- Invited Panelists
 - Jill Hobbs
 - Peter Phillips
 - Ryan Cardwell

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Coordination & Commercialization

- Panelists
 - Richard Gray
 - Peter Phillips
 - Greg Graff

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Impact & Measurement

- Panelists
 - Julian Alston
 - John Cranfield

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Breakout Session

- Panels shared critical issues & research gaps
- Sort into four groups
 - Innovation
 - Regulation
 - Coordination & Commercialization
 - Impact & Measurement
- 90 mins to start research plan for each area
 - Propose short and long run projects
 - Identify potential collaboration
 - Suggest funding sources
- After workshop, incorporate discussion into formal research plan

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CAIRN Business

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Discussion Items

- Member selection
- Student membership
- Future workshop themes
- Communications strategy

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Member Selection

- CAIRN currently has 30 members
- As membership ↑, \$ for research & travel dilutes
- Current procedure for new members:
 - Submit CV for consideration
 - Executive screens new member requests
 - All members vote after initial screening

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Student Membership

- Graduate students receiving CAIRN funding
 - Granted membership into CAIRN
 - Receive travel subsidization for CAIRN events
- Free registration to non-funded students
- CAIRN students pre-screened for hiring with AAFC

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Future Workshop Themes

- Aim to have annual workshop
 - Topics...
- Network leads have expressed interest in joint policy events
- Outlook/policy conference
 - Host with ERCA networks & CAES
 - First 18 months out, then annual event

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Communications Strategy

- AAFC has stressed importance of research dissemination
- Larson hired to assist with CAIRN
- Larson with KIS for last 3 years
- CAIRN Website revamped October 2009
<http://www.ag-innovation.usask.ca>
- Interest in having ERCA website

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The screenshot shows the CAIRN website homepage with the following content:

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Search (powered by FreeFind)

CANADIAN AGRICULTURAL INNOVATION AND REGULATION NETWORK
 AN ENABLING RESEARCH FOR COMPETITIVE AGRICULTURE NETWORK

Home About CAIRN Publications & Policy Briefs Blog Members News & Events Students Contact Us

About CAIRN
 CAIRN is one of five ERCA research networks across Canada. Created in 2004, the objective of this thirty-member network is to increase the understanding of agricultural innovation and aid in the development of public policy and regulation to support innovation in the Canadian agriculture and food sector.
[Learn more about CAIRN »](#)

CAIRN Publications & Policy Briefs

- No. 14 - January 2009 - Cardwell/Zhang
[Agricultural Intellectual Property Rights in Developing Countries: The Economics of Terminator Genes](#)
- No. 13 - May 2008 - Power/Clark
[Are clawbacks always efficient? Northern Vignor in Canada](#)
- No. 12 - October 2007 - Sparling/Laughtland
[Innovation and Bioproduct Development](#)
[See more policy briefs »](#)

CAIRN Network Members
 This multidisciplinary network is composed of members located across Canada at a variety of academic, government and private institutions.
[Learn more about the members »](#)

CAIRN Graduate Students
 CAIRN provides training opportunities for graduate students. All of the collaborators, with the exception of the University of Lethbridge, have graduate student programs in their respective departments.
[Learn more on CAIRN-funded grad students »](#)

CAIRN Events
 Each year the network members meet to share their research and to discuss projects for the upcoming year. CAIRN also partners with other organizations to co-host events related to agriculture innovation and policy.
[Learn more on CAIRN events »](#)

Network Member Institutions


 Free XHTML script provided by [GumGum.com](#)

CAIRN's Research Matrix

	Primary Competitiveness	Functional Food Processing	Bioenergy/Bioproduct Development
Innovation Analysis			
Regulatory Systems Analysis			

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Communications Strategy

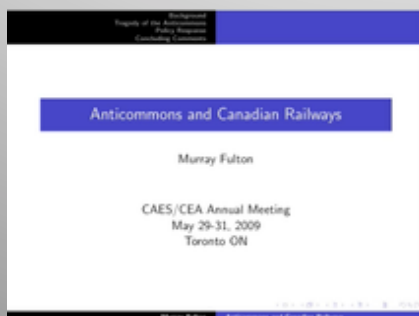
- Policy briefs
 - Revive; none since January 2009
- Podcasts and streaming video
 - Workshop & conference presentations
 - See 2007 Food & Fuel; 2009 CAES Session 13
- Blog
 - bi-weekly entries
 - Easy with 30 members & grad students
- Listserv
 - Set up through U of Saskatchewan
 - Need to populate with contact emails

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Examples of Podcast/Video



Murray Fulton's presentation at 2009 CAES Meetings
Created using Olympus digital recorder



Murray Fulton's presentation at
2009 CAES Meetings

Quicktime video of PowerPoint
slides synced to voice

Created using iMovie

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