

THE
LESLIE
HARRIS
CENTRE
OF REGIONAL
POLICY AND
DEVELOPMENT

Harris Centre Regional Workshop:
Memorial University Partnering
with the
Southeastern Aurora Development
Corporation and the Labrador
Straits Development Corporation

L'Anse au Clair, Labrador

May 18, 2006

Harris Centre Regional Workshop

Memorial University Activities in
Zones 4 and 5

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L'Anse au Clair, Labrador

May 18, 2006

Overview of Presentation

- Harris Centre
- Regional Workshops
- Today's Workshop Agenda
- List of current Memorial Activities in Zones 4 and 5
- Questions for morning parallel sessions

Harris Centre Mandate

- Coordinate and Facilitate the University's Activities Relating to Regional Policy and Development
- Advise on Building the University's Capacity
- Identify Priority Themes and Projects relating to:
 - Teaching
 - Research
 - Outreach

The Harris Centre as Broker: “Knowledge Mobilization”

- Marketing Function
- Need to Identify 3 Components:
 - Demand: research, teaching, outreach “pull”
 - Supply: Memorial capacity to deliver
 - Champions: make it happen
- Clarify roles: Lead / Partner / Support
- Clarify commitments and implementation
 - Contract Management / Project Management
 - Monitoring and Evaluation
- Communicate!

Regional Workshops

- Vehicle to increase Memorial University's presence in regions
- Facilitate one annual workshop within each of the four REDB caucus areas (Labrador, West, Central, Avalon) to:
 - discuss Memorial activities related to regional policy and development in the region
 - identify new opportunities for Memorial to collaborate

Workshop Objectives

- Communicate better what Memorial is doing now
- Identify new opportunities for Memorial activities in regions
- Populate inventory database for further partnership/project development
- Understand community and university incentives, limitations and possibilities

Workshop Agenda (Morning)

- 9:00 - 10:15 - Opening Presentations
- 10:30 - 11:30 - Parallel Sessions: Current Memorial activities in Zones 4 & 5 - presentation/ discussion
 - Themes highlighting some of current activities in zones 4 & 5
 - Tourism
 - Business/Diversification
 - Environment
 - Education
- 11:30 - 12:00 - Report Back
- 12:00 - 12:45 - Lunch

Workshop Agenda (Afternoon)

- 12:45 - 1:30 - Presentation of Regional Priorities that could benefit from Memorial's involvement
- 1:30 - 2:45 - New Opportunities Parallel Sessions:
 - Discussion of potential new opportunities for Memorial involvement in Zones 4 & 5 based on priority themes:
 - Fisheries/Aquaculture
 - Business/Manufacturing
 - Tourism
 - Education
- 2:45 - 3:00 - Break
- 3:00 - 4:00 - Report back from afternoon session
- 4:00 - 4:30 - Wrap-up and next steps

Memorial University's Current Activities in Zones 4 & 5

Environment Projects

Environment Projects

- **Title:** Studies on freshwater macroinvertebrates and their use for biomonitoring and assessing freshwater ecosystems
- **Researcher:** Murray Colbo, Biology
- **Collaborators:** Agrifoods and Agriculture Canada, Landscape NL
- **Description:**
 - Current research has focused on what the invertebrates can tell us about the condition of freshwater systems
 - Project presently involves developing ways of using this data to predict the quality and condition of streams and lakes

Environment Projects

- **Title:** Insect Pests and Vectors of Pathogens
- **Researcher:** Murray Colbo, Biology
- **Collaborators:** Agrifoods and Agriculture Canada, Landscape NL
- **Description:**
 - Involved tick research on snowshoe hare which showed abundant tick loads in the summer months
 - Lyme disease ticks were collected, showing positive on several
 - Mosquito research found five species not previous known, including one of the main West Nile Virus vector, however, WNV is unlikely in the province due to the cool climate

Environment Projects

- **Title:** Invasive marine species monitoring
- **Researcher:** Dr. Robert Hooper
- **Description:**
 - Periodic sampling to look for evidence of introduction of marine species, especially species that are causing negative impact in the Maritimes
 - One seaweed, *Furcellaria*, one animal, *Membranipora* mapped so far
 - Other species like green crabs and oyster thief expected

Environment Projects



- **Title:** Rose Hips project
- **Researcher:** Dr. Wilf Nicolls
- **Collaborator:** MUN Botanical Garden, Atlantic Canada Network on Bioactive Compounds
- **Description:**
 - Samples conducted at various locations in province
 - Research includes propagation, nutraceutical properties, pollination biology and taxonomy

Environment Projects

- **Title:** Marine Protected Areas (MPA)
- **Researcher:** Dr. Robert Hooper
- **Description:**
 - Evaluation of candidate sites proposed by fishers and the public for all of western Newfoundland and southern Labrador.
 - Identification of key biodiversity hotspots, rare species, high productivity and other special features
 - Sites in this area include the major commercial fish spawning grounds, Codroy, Flat Islands, Long Ledges and others

Environment Projects

- **Title:** Geological investigations in rural Newfoundland and Labrador
- **Researcher:** Dr. Derek Wilton, Earth Sciences/Labrador Institute
- **Collaborators:** Coasts Under Stress
- **Location:** Port Hope Simpson
- **Description:**
 - Involved the examination and documentation of sapphires reported from bedrock near Port Hope Simpson
 - Primarily researched the extraction of stones from their host rock

Environment Projects

- **Title:** Labrador Highlands Research Program
- **Researcher:** Dr. John Jacobs, Geography
- **Collaborators:** Mount Allison University, Govt of NL, Innu Nation, Northern Ecosystem Initiative
- **Location:** Mealy Mountain, Red Wine Mountains
- **Description:**
 - Researching the sensitivity of tundra and treeline ecosystems to climate change in highland areas of NL
 - Aims to better understand these ecosystems in relation to their local climates and to determine how they evolved in the past and to predict what will happen under a future climate.

Environment Projects

- **Title:** Endemic undescribed seaweeds in Labrador
- **Researcher:** Robert Hooper, Biology/Bonne Bay Marine Station
- **Location:** L'Anse au Clair, Cape Aillik, other locations
- **Description:**
 - Research into several seaweeds found in areas that have not been reported elsewhere
 - Brown seaweed found near L'Anse au Clair
 - Another red seaweed common near wave and ice-swept headlands

Environment Projects

- **Title:** Seaweeds of Labrador
- **Researcher:** Robert Hooper, Biology/Bonne Bay Marine Station
- **Location:** Labrador Coast
- **Description:**
 - Identification of any seaweed collections from all along coastal Labrador
 - Thorough sampling completed from southern Labrador and the central Labrador coast around the Kaipokok and Makkovik Bays.
 - Interested in species that have been used by aboriginal peoples and settlers, and in those that are ecologically important

Environment Projects

- **Title:** Fisherman's knowledge and science research
- **Researcher:** Dr. Barb Neis, Sociology/Coasts Under Stress
- **Description:**
 - 5-year, multi-disciplinary research project
 - Interviews with fish harvesters and members of fishery-dependent communities

Environment Projects

- **Title:** Strait of Belle Isle biogeographic boundary
- **Researcher:** Robert Hooper, Biology/Bonne Bay Marine Station
- **Partners:** NSERC
- **Location:** Strait of Belle Isle
- **Description:**
 - This area is the boundary between the marine subarctic and boreal regions, with many seaweeds and animals reach their northern or southern distribution limits
 - Project involves compiling the distributional limits and looking at the relationship between the biological communities and their physical oceanographic characteristics.

Environment Projects

- **Title:** Commercial sea urchin studies in Labrador
- **Researchers:** Robert Hooper, William Coffey
- **Partners:** CCFI, DFA, Labrador Fish Coop, Darryl O'Brien
- **Location:** Red Bay, Cartwright, Point Amour, Makkovik, Kaipokok
- **Description:**
 - Sea urchin are sampled from as many habitats and seasons as possible to look for correlations between urchin commercial potential and habitat and season.
 - Research has shown that there are major differences between Labrador urchins and Newfoundland urchins
 - Labrador urchins can be valuable during the summer months while island urchins are valueless

Environment Projects

- **Title:** Seabird ecology at the Gannet Islands in relation to environmental change and human disturbance
- **Researchers:** Dr. Ian L. Jones, Biology
- **Partners:** Jennifer Lavers, Canadian Wildlife Service
- **Location:** Gannet Islands
- **Description:**
 - These islands supports the largest and most diverse seabird colony in Labrador
 - Addresses how seabird numbers changing in response to natural and human-caused mortality, the responses to changes in prey (fish) abundance, and how seabirds are coping with our rapidly changing climate

Environment Projects

- **Title:** Assessing Biodiversity and Community Similarity for Mushroom Communities in Gros Morne National Park and Labrador Strait
- **Researchers:** Dr. Susan Knight, Dr. Christine Campbell
- **Partners:** Dept. of Natural Resources
- **Description:**
 - Conducted to examine the composition and distribution of mushroom species throughout the northern boreal forest habitats prevalent across NL
 - Forays were made to identify mushroom species and community composition, primarily collecting and identifying all fruiting mushroom species along designated census regions

Environment Projects

- **Title:** The Porcupine Strand Archaeology
- **Researchers:** Lisa Rankin, Archaeology
- **Partners:** Labrador Inuit-Metis Nation, Religious Studies, Anthropology, Geography, Others
- **Location:** Southern Labrador
- **Description:**
 - Developed to explore the culture-history of south-central Labrador in a region not previously researched by archaeologists.
 - Has involved examining landscape and environmental change over the past 8000 years while attempting to understand how different groups of occupants have interacted with this landscape.

Environment Projects

- **Title:** Eco-Research Project
- **Researcher:** Dr. Sean T. Cadigan, History
- **Co-Researcher:** Dr. Jeff Hutchings, Biology, Dalhousie University
- **Description:**
 - Researching the social, economic, and ecological expansion of the Labrador cod fishery from the early nineteenth century to the mid-twentieth century.
 - Includes the development of truck credit practices at Battle Harbour
 - Studies the environmental impact of the fishing industry, including the introduction of fishing gear and the change in the spatial scale of fishing efforts

Environment Projects

- **Title:** Conservation Initiatives for Common Eiders in St. Peter's Bay, Southern Labrador using Local Ecological Knowledge (LEK) and Nest Site Enhancement
- **Researchers:** Dr. William Montevecchi
- **Partners:** Coasts Under Stress, Ducks Unlimited
- **Location:** St. Peter's Bay, Mary's Harbour, Lodge Bay and St. Lewis
- **Description:**
 - LEK was used to assess changing patterns in eider numbers and distribution, northern and southern subspecies occurrences and hunting practices
 - Collaboration resulted in the placement of 100 environmentally friendly nest shelters for eiders used to enhance the success of nesting eiders.

Health/Society Projects

Health/Society Projects

- Title: Research on Shipwreck History
- Researcher: Dr. Rainer Baehre, Historical Studies, SWGC
- Location: Southern Labrador

Health/Society Projects

- **Title:** Research of Ethnographic History
- **Researcher:** Dr. Rainer Baehre, Historical Studies, SWGC
- **Location:** Southern Labrador

Health/Society Projects

- **Title:** History of Exploration
- **Researcher:** Dr. Rainer Baehre, Historical Studies, SWGC
- **Location:** Southern Labrador
- **Description:**
 - Involves archival search of materials relating to Henry Hind, a famous nineteenth century Canadian geologist/explorer

Health/Society Projects

- **Title:** History of the American fishery in the Gulf of St. Lawrence/Labrador
- **Researcher:** Dr. Rainer Baehre, Historical Studies, SWGC
- **Description:**
 - Research relating to eighteenth century New England whaling off the coast of southern Labrador

Health/Society Projects

- **Title:** Restructuring, Out-migration and the Health and Well-Being of Mothers Who Stay Behind
- **Researcher:** Dr. Ingrid Botting, History
- **Description:**
 - Two-year study concerning older women's understandings of the links between their own health and well-being, and economic, social, environmental and political changes in their areas
 - Key findings included issues around retirement and health-related concerns

Health/Society Projects

- **Title:** Nutrition Newfoundland and Labrador (1996-2004)
- **Researcher:** Dr. Barbara V. Roebathan,
Medicine/Biochemistry
- **Description:**
 - Study analyzed dietary intake & related health factors in the province (9 communities)
 - Importance of health promotion & disease prevention
 - Recommendations - education on proper diet & encouragement to increase physical activity

Health/Society Projects

- Title: Life Outcomes of Former Graduates
- Researcher: Mary Gaultois
- Partner: Pathfinder Learning Centre
- Description:
 - Investigation into the life outcomes of graduates between 1994 and 2004

Health/Society Projects

- **Title:** Jersey Rooms Archaeological Project
- **Researcher:** Blair Temple
- **Collaborators:** Town of L'Anse au Clair, LSDC, NL Archaeological Heritage Outreach Program
- **Location:** L'Anse au Clair, L'Anse au Cotard
- **Description:**
 - Initiated by the town of L'Anse au Clair to research the presence of Jersey fisherman and merchants in southern Labrador in the late eighteenth and nineteenth centuries
 - Archaeological excavations at L'Anse au Cotard focused on what was thought to be the original house of the first and only permanent inhabitants of the community

Health/Society Projects

- **Title:** Small Schools and Rural Education in Newfoundland and Labrador
- **Researcher:** Dr. Dennis Mulcahy, Education
- **Collaborators:** Department of Education, NLTA
- **Description:**
 - Focuses on the provision of quality education for the children and youth living in rural communities in the province
 - Work includes documenting challenges, issues and concerns of rural parents and educators, while providing guidance and advice to those responding to these challenges

Health/Society Projects

- Title: Breastfeeding and allergies /anaphylaxis
- Researcher: Dr. Wendy Graham

Health/Society Projects

- **Title:** Power and Restructuring: Shaping Canada's Coastal Society and Environment
- **Researcher:** Dr. Steven Tomblin
- **Collaborators:** Rosemary Ommer, Peter Sinclair

Health/Society Projects

- Title: “Atlantic Region Integration Options: Discussion Paper” Royal Commission on Renewing and Strengthening Our Place in Canada
- Researcher: Dr. Steven Tomblin

Health/Society Projects

- **Title:** A Participatory Approach to Aboriginal Tenure Reform in Canada
- **Researcher:** Adrian Tanner, Anthropology
- **Collaborators:** David Natcher, Innu Nation, Gov of NL
- **Description:**
 - Assesses the opportunities and obstacles associated with the forest tenures held by Aboriginal groups.
 - Serves as a vision for the types of institutional relationships required for success and to provide a yardstick by which to measure progress.

Health/Society Projects

- Title: 2004-2005 Youth Smoking Survey
- Researcher: Dr. Shirley Solberg, Medicine
- External Partner: Health Canada
- Description:
 - Provided information from 6 schools for a national picture of youth smoking in grades 5 to 9

Business/Diversification Projects

Business/Diversification Projects

- **Title:** Business Retention and Expansion in Zones 4 & 5
- **Researchers:** Steven Butler, PJ Gardiner Institute
- **Partners:** Department of Innovation, Trade and Rural Development
- **Description:**
 - KEDC survey of various businesses (incorporated entities, franchise operations, retail based operations, etc.) in all economic zones in the province, including Zones 4 and 5
 - PJG assists with development and implementation of BR&E initiative

Business/Diversification Projects

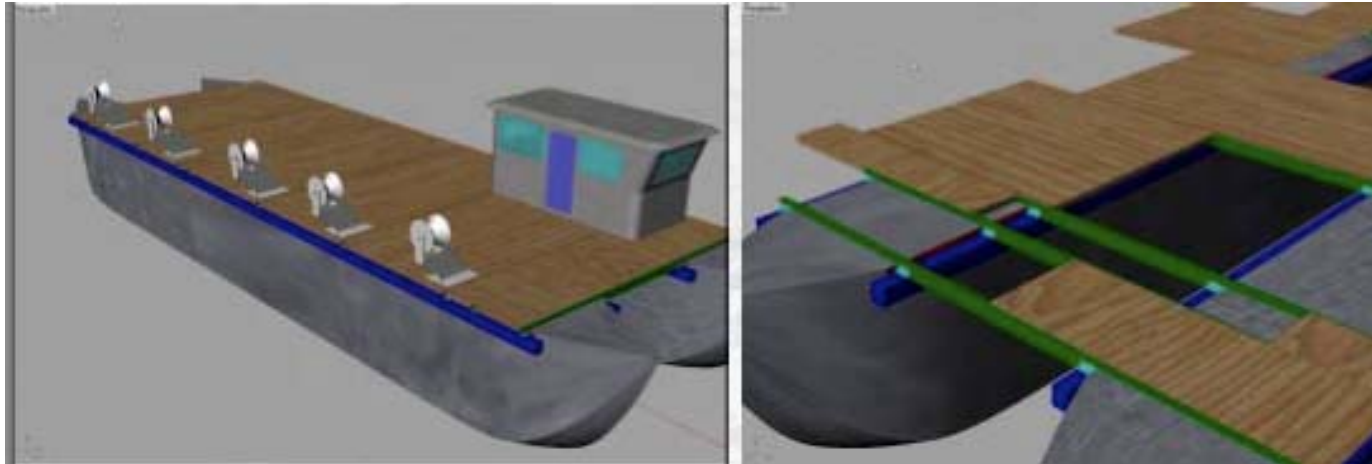
- **Title:** Time-lapse iceberg deterioration surveillance
- **Researcher:** Steve Bruneau, Engineering
- **Partners:** Canadian Ice Services
- **Location:** Newfoundland and Labrador, Greenland

Business/Diversification Projects

- **Title:** Design of a hybrid energy system for Battle Harbour Island
- **Researcher:** Mohammad Tariq Iqbal, Engineering
- **Collaborator:** Dr. Neil Bose, Engineering
- **Duration:** Ongoing
- **Description:**
 - Research will analyze the power consumption on Battle Harbour Island to determine the wind and solar energy resource and design a hybrid system for the island

Business/Diversification Projects

- Title: Modular Aquaculture Barge Design
- Researcher: Dr. Dag Friis, Engineering
- Partners: Alex Gardner



Business/Diversification Projects

- Title: Fishing Vessel Design
- Researcher: Dr. Dag Friis, Engineering
- Duration: 2005-2006
- Description:
 - Design of two fishing vessels with same overall mission, multi-species capability and handling and storage to maintain highest possible quantity

Business/Diversification Projects

- Title: Bulbous bow design and retrofitting to fibreglass hulls
- Researcher: Dr. Dag Friis
- Duration: 1997 - Present



Business/Diversification Projects

- Title: Canadian Manufacturers and Exporters, Boatbuilders Project
- Researcher: Dr. Dag Friis
- Duration: Currently ongoing



Business/Diversification Projects

- Title: Family Firms that Export (2004)
- Researcher: Dr. Dan Mosher/Leslie King, P.J. Gardiner Institute
- Description: Sessions conducted in various zones (including Zones 4 & 5) addressing:
 - Key areas of operation concern
 - Awareness of export support programs
 - Training needs associated with both international & domestic trade
 - Services a Business Families Centre could deliver

Business/Diversification Projects

- **Title:** Profiling Business Families in Newfoundland and Labrador
- **Researcher:** Dan Mosher/Leslie King, P.J. Gardiner Institute
- **Description:** Sessions conducted in various zones (including Zones 4 & 5) addressing:
 - Will cover issues related to governance, ownership, communication processes and the role of the family firm in the community
 - Information will provide direction as to how family firms can be helped to increase their longevity through generation and their business performance

Business/Diversification Projects

- **Title:** INTRD Regional Economic Renewal Research Support (2005)
- **Researchers:** Drs. Gary Gorman & Dennis Hanlon, Business
- **Project Manager:** Kim Myrick, P.J. Gardiner Institute
- **Description:**
 - A review of structures, boundaries, stakeholders, partnerships, principles, strategic plans & processes related to regional economic development of Newfoundland & Labrador
 - 525 personal interviews, 40 roundtable discussions across 20 economic zones

Memorial Alumni in Zone 4

Total = 110

- Lodge Bay - 3
- St. Lewis - 9
- Fox Harbour - 14
- Port Hope Simpson - 14
- Charlottetown - 16
- Black Tickle - 10
- Mary's Harbour - 18
- William's Harbour - 2
- Pinsent's Arm - 1
- Norman Bay - 2
- Cartwright - 21

Memorial Alumni in Zone 5

Total = 88

- L'Anse au Clair - 8
- Forteau - 26
- L'Anse au Loup - 33
- West St. Modeste - 3
- Red Bay - 15
- Pinware - 2
- Capstan Island - 1

Summary

- 42 Memorial University projects currently ongoing related to Zone 4 & 5
 - Environment = 17
 - Health/Society = 14
 - Business/Diversification = 11

Morning Parallel Session Questions

1. Were you aware that these projects were happening in your zone?
2. Now that you are aware, are there ways you can put these project findings to use in your own work?
3. Are there any ideas for new opportunities in light of this discussion?
4. Any other questions or comments?