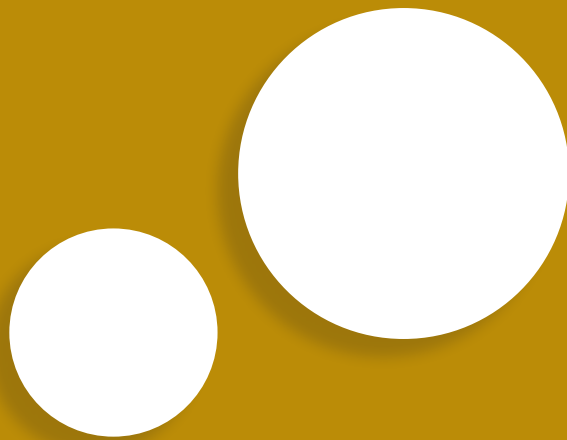




realizing the **promise**
considering the **future** **2009 ANNUAL REPORT**



Sustainable Forest Management Network

3-03 Civil Electrical Engineering Building
University of Alberta
Edmonton, Alberta, Canada T6G 2G7

Tel: 780-492-6659 Fax: 780-492-8160
info@sfmnetwork.ca www.sfmnetwork.ca



Networks of Centres of Excellence

SCIENTIFIC DIRECTOR Dr. Jim Fyles
McGill University

NETWORK MANAGER Dr. Dale Bischoff

EDITORIAL Marvin Abugov
Alison Boddy
Shirley Devries
Cynthia Kaufmann
Bruce Macnab
Matthew Pyper
Marc Stevenson
Catalina Solano-Rivera
Catherine Rostron

DESIGN www.c3design.ca

TRANSLATION Les entreprises Verret
Enterprises, Ltd. (Ltée.)

PRINTING McCallum Printing Group
Printed in Canada

PHOTOGRAPHY

Cover FlexiWay Products Ltd.,
Fredericton, N.B.

Page 4 Network archives, Dave Locky,
Ken Van Rees

Page 5 Dan MacIsaac

Page 6 Sandy McKellar

Page 7 Ontario Ministry
of Natural Resources

Page 9 Dave Locky, Jane Stewart

Page 12 FORREX, Forest Research Extension
Partnership, Kamloops, B.C.

Page 13 Dave Locky, Rochelle Owen

Page 15 Peter Duinker, Marlow Esau,
Stephen Yamasaki

Page 18 Mark Andruskiw

Page 19 Marvin Abugov

**2009 Canadian Forest Management
Group Achievement Award**

The SFM Network was honored to receive the Canadian Institute of Forestry's prestigious 2009 Canadian Forest Management Group Achievement Award. The award, presented on September 23, 2009 at the CIF national conference in Nanaimo, B.C., recognizes "outstanding achievement by teams and groups of natural resource managers, researchers and NGO groups in the field of forest resource related activities in Canada, and its various contributions overall to the institute."



*group
achievement
award*

30

pArtner or GAniz Ations

246

HiGHly quAlified personnel (Hqp)

98 Masters, 76 PhDs, 25 Post Doctoral Fellows, 12 Undergraduates,
13 Technicians, and 22 Research Associates

227

rese Ar CHers And Coll Abor Ators

141 UNIVERSITY-BASED RESEARCHERS AND COLLABORATORS

27 PARTICIPATING RESEARCHERS employed full time
by provincial government research organizations

22 PARTICIPATING RESEARCHERS employed full time
by the Canadian Forest Service and other federal agencies

37 PARTICIPATING RESEARCHERS employed
with industry, Aboriginal organizations, or NGOs

6

state of Knowledge Ge proje Cts

18

rese Ar CH proje Cts in pro Gress

12 + 3

12 reseAr CH notes And 3 synt Hesis reports

published and distributed to partners through the knowledge exchange program.
In its final NCE administrative year, the Network intends to produce
12 synthesis reports and approximately 30 research notes.

92

peer-reviewed publi CAtions
on SFM Network projects



chair's message

As the Network entered its fourteenth and final research year, it was clear that many projects would not be fully completed until the final day. Because we were committed to ensuring that our partners would realize the benefits of this work, we expended significant effort in competing for NCE Research Management Funding to allow us to effectively transfer all the Network's results through a fifteenth and final year as an NCE. We are gratified that the NCE Peer Review Panel agreed with our proposal and awarded the additional funds.

In the same spirit, we were determined to ensure that our fifth and final national conference, held in April 2009, was one everyone would remember. Despite difficult financial times, conference attendees were treated to world renowned guest speakers, results from our six State of Knowledge projects, the four widely differing scenarios of our Forest Futures Project, summaries of past research, and an excellent poster session in "Carrefour" format – to name just a few highlights.

These successes mean I have many people to thank as the Network endeavors to complete our work. In addition to my fellow board members, who I thank for their continuing support, I thank the members of our Aboriginal Advisory, Research Planning and Partners committees. Fourteen years is a long time, and many of these members have remained committed and served as volunteers in various capacities to ensure we realized our vision. The results achieved are a testament to their efforts. I also wish to thank our Network Manager, Dr. Dale Bischoff, for joining the team and sharing his excellent administrative leadership abilities and our Scientific Director, Dr. Jim Fyles, for his unwavering scientific leadership.

The Network is now focused on effectively transferring and utilizing 14 years of outstanding research. As we committed to the NCE panel, we are doing our best to ensure that the most is made of the knowledge gained. To that end, we are actively engaged in facilitating discussions about the future. The SFM Network experience has been extraordinary. As it comes to a conclusion, our sincere hope is that it will serve as an instructive guide and incentive to the development of new enterprises, which will continue the important work of developing innovative, nationally integrated science knowledge to meet the future challenges of sustainably managing forest landscapes across this vast country.

Most importantly, I wish to recognize with sincere appreciation the valued and pivotal role of our committed Network staff. Without their commitment, and in many cases, their long-term historical knowledge, meeting the Network's needs and deadlines would have been exceedingly difficult, if not impossible. On behalf of the Board of Directors, I express our thanks for their daily efforts and ongoing support.

Sincerely,

A handwritten signature in black ink, appearing to read "Fraser Dunn".

Fraser Dunn, Board Chair

scientific director's message



The year 2008-2009 was an important milestone for the SFM Network. It represented our last opportunity to be fully involved in a program of research and synthesis. With over two million dollars invested in research and State of Knowledge research projects during the year, the Network was fully engaged in the Board's directive to carry on at full throttle until our time and funding were finished.

In accelerating toward the finish line, our researchers and KETE staff worked hard to increase the flow of research notes and syntheses, and found more new ways to extend research results to a broad audience. Particularly notable was the successful series of E-lectures offered in partnership with the CIF. The year was a time to look forward through the Forest Futures project, which brought together over 1,000 people in workshops across the country to explore possible futures for Canada's forests. We also initiated 'legacy' projects to capture the experience of the Network over its 14 years of operations.

To ensure that the KETE program had time to finish its work, we applied to the NCE for a final year of funding: 2009-2010, which would be devoted to knowledge exchange and communication of results from the last few years of research. The support of our partners was an essential ingredient in this successful application.

Thanks are certainly due for the many contributions to the Network during the year. In particular, I thank our many partners for their continued engagement in the work of the Network despite economic conditions in the industry that can only be described as shockingly poor. The fact that so many continued to free up funding for the Network is a testament to the value they place on the ongoing exchange of knowledge – the life-blood of the Network. I thank our cadre of researchers at universities and other institutions across the country, many of whom have stepped up their already hectic research programs to ensure they delivered results on their SFM Network projects in the time remaining. I particularly appreciate the input of the Research Area leaders, who have provided invaluable advice in our final years. I also thank the Board of Directors for the time and energy invested in grappling with decisions about how to maintain the quality of our program while working toward an unclear future. Most importantly, I would like to say a warm thank you to our staff and contractors, who kept churning out new ideas and new products despite the uncertainty of what would happen next. The country has been well served by your creativity and energy.

Many of us have spent much time and thought reflecting on ways to carry on the work of networking and knowledge exchange in a new organization. We could have hoped for a more conducive economic climate, but the groundswell of interest continues to grow and I am hopeful we will be able to describe that future in more detail in the next annual report.

Thanks again to all who contributed during 2008-2009.

A handwritten signature in black ink that reads "Jim Fyles".

Jim Fyles, Scientific Director



realizing the **promise** considering the **future**



The SFM Network celebrated the pinnacle of its 14-year research program at its final conference, held April 21-23, 2009 at the Hilton Lac Leamy Hotel in Gatineau, Québec. More than 275 registrants had the opportunity to explore the issues and directions emerging from the Network's long-term research effort.



SFM Network Scientific Director Dr. Jim Fyles gave the welcoming address, which was immediately followed by the celebratory video/DVD, *Realizing The Promise . . . Considering The Future*. It highlighted some of the Network's latest, nationally significant research advances as well as the challenges ahead. We have included the video/DVD as part of this year's annual report. Some of the highlighted achievements include:



incorporation of the tri Ad forestry concept, the result of six years of intensive research by the sFM n etwork, into the québec government's 2008-2013 forest management plan. This research breakthrough is a first in Canada and the world. (Relevant details are provided in SFM Network Research Note #50 entitled: *"The Mauricie TRIAD project: ecological, economic, and social considerations in forest management"* by Rebecca Tittler and Dr. Christian Messier.)

breakthrough agreement between the little red river Cree nation (IrrCn) and tolko industries ltd., where Tolko agreed to go from a two-pass to a three-pass harvest system to respect Aboriginal land

use on the LRRCN forest management area. The change is based on intensive ecological, anthropological, and economic research conducted for the LRRCN by the SFM Network over the last decade.

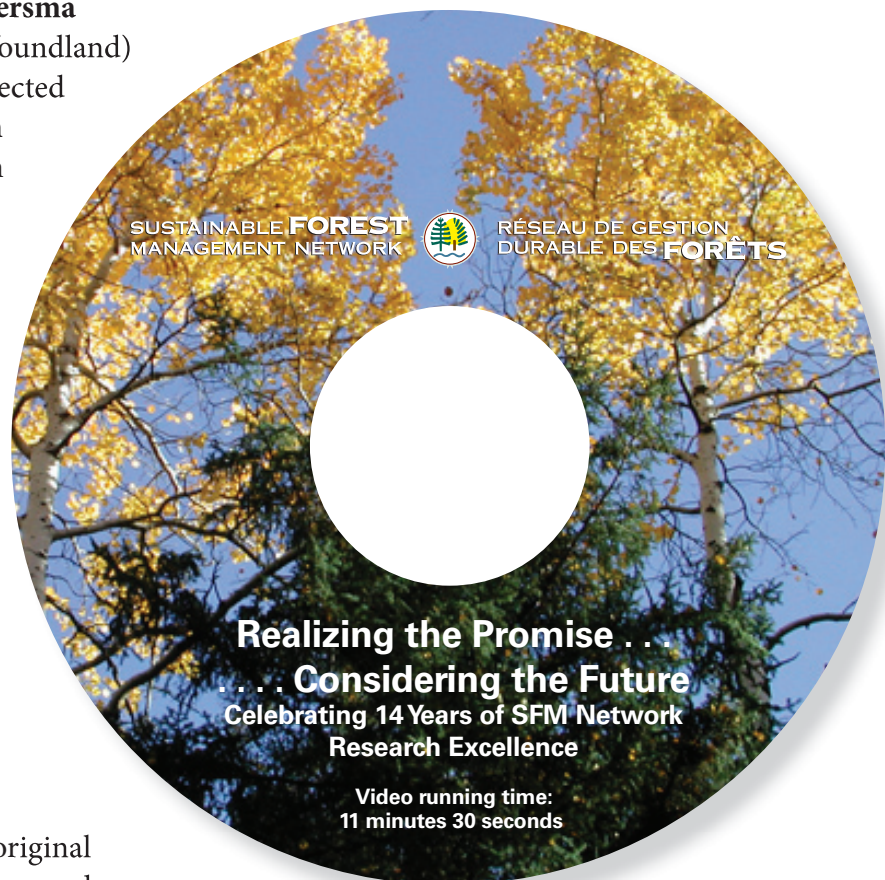
How SFM network research is informing forest land tenure reform in Canada by examining options on how tenure systems could be developed to meet challenges in the forest sector.

How SFM network research is leading to the development of innovative policy instruments such as *tradeable disturbance permits*, a type of market-based approach to creating incentives for conservation on forest lands.

Advantages in both ecological resilience and timber productivity in leaving mixedwood forests as they are rather than attempting to separate them to meet perceived industry needs.

results from the network's six state of Knowledge projects including presentations by **Dr. Vic Adamowicz** (University of Alberta) on natural capital and ecosystem valuation; **Dr. Irena Creed** (University of Western Ontario) on implications for water resources on the forested landbase; **Dr. Mark Johnston** (Saskatchewan Research Council) on forest vulnerability to climate change; **Dr. Ellen Macdonald** (University of Alberta) on ecological implications for altering mixedwood forest composition; **Dr. Yolanda Wiersma** (Memorial University of Newfoundland) on innovations regarding protected areas in SFM; and **Dr. Stephen Wyatt** (Université de Moncton – Edmundston) on the Canadian experience in harmonizing Aboriginal and industry interests, and the best practices for traditional land use mapping.

twenty partner-researcher showcases presented various network research advances that spanned the breadth of sustainable forest management, from forest regeneration, succession and dynamics to carbon trading, decision-support systems, Aboriginal tenure, forest land tenure reform, and trade-off analysis.



dr. peter duinker, project Manager for Forest Futures, unveiled the project's key findings, which included four widely differing scenarios as a result of eleven workshops held between May and December 2008 across Canada. These scenarios were designed to start a dialogue on the potential challenges that could be headed our way and how we might best deal with them.

Four high profile keynote speakers including C.S. “Buzz” Holling, Peter Senge, Thomas Homer-Dixon, and Gwynne Dyer provided their unique perspectives on the challenges that lie ahead and outlined the opportunities for meeting the promise of sustainable forest management.

other milestones

Last summer, the SFM network obtained funding from the NCE for an additional year in order to continue and enhance knowledge transfer and dissemination. A dozen syntheses documents and approximately 30 research notes are expected to highlight the outputs generated during fiscal 2009/10.

The SFM network was honored to receive the Canadian Institute of Forestry's prestigious 2009 Canadian Forest Management Group Achievement Award. The award, presented on September 23, 2009 at the CIF national conference in Nanaimo, B.C., recognizes “outstanding achievement by teams and groups of natural resource managers, researchers and NGO groups in the field of forest resource related activities in Canada, and its various contributions overall to the institute.”

Strategic planning continues in an effort to successfully ‘pass the torch’ to a new research entity. The Network’s objective is to ensure the continuation of partner-driven integrated research as well as the partnerships required to provide meaningful SFM direction in the future.



Scientific Director Dr. Jim Fyles and Board Chair Fraser Dunn proudly accept the CIF Award on behalf of the SFM Network.

research program



In 2008/2009, the SFM Network provided a final year of funding to 18 research projects and 6 State of Knowledge projects.

18

research projects in progress

vic
Adamowicz

university of Alberta

Ecological and economic trade-off analysis of conservation strategies for woodland caribou.

university of new brunswick

Tools for generating maps of hydrologically sensitive areas for use in forest operations planning.

paul
Arp

james
buttle

trent university

Hydroecological landscapes of Canada's forests.

lakehead university

Forest successional dynamics in the eastern-central Canadian boreal forests: modelling compositional and structural pathways and their diversity characteristics.

Han
Chen

phil
Comeau

university of Alberta

Influence of relative density and composition on growth and understory in boreal mixedwoods.

université laval

Applying regional dynamic models to Québec.

steve
Cumming

iaian
davidson-
Hunt

university of Manitoba

Toward adaptive ecosystem management: dialogue with Pikangikum and Moose Cree for keeping the land.

james
Frideres

university of **C**algary

Shared land use: management of cumulative resource development in the Treaty 8 region of Canada.

university of **A**lberta

Developing biodiversity patterns for predicting the effect of management in the boreal mixedwood forests of Alberta.

Fangliang
He

shashi
Kant

university of **t**oronto

Market and institutional structures, economic welfare and global competitiveness of the Canadian forest industry.

university of **t**oronto

The economics of Aboriginal land use.

shashi
Kant

dan
Kneeshaw

universit  du qu bec   **M**ontr al

Evaluating the potential effect of insect outbreaks on sustainable forest management.

university of **b**ritish **C**olumbia

Assessing the effectiveness of forest certification as a means to achieve SFM in Canada.

bruce
larson

thomas
Maness

university of **b**ritish **C**olumbia

Using interactive forest planning models and visualization to assess public preferences for trade-offs among possible SFM futures.

university of **b**ritish **C**olumbia

Impacts of technological innovations in the forest products value chain on SFM.

paul
McFarlane

Christian
Messier

universit  du qu bec   **M**ontr al

Implementing and testing decision support tools to evaluate forest management scenarios for SFM.

university of **b**ritish **C**olumbia

New modelling approaches for predicting hydrologic effects of intense forest disturbance.

dan
Moore

osvaldo
valeria

universit  du qu bec en **A**bitibi-**t** miscamingue

Development and experimentation of sustainable forest management strategies: biological and Aboriginal feasibility.



6

State of Knowledge projects

vic
Adamowicz

University of Alberta

Natural capital and ecosystem valuation as a tool for sustainable forest management.

University of Western Ontario

Implications for water resources of activities on the forested land-base.

irena
Creed

Mark
Johnston

Saskatchewan Research Council / University of Saskatchewan

Climate change vulnerability and adaptation for forest management in Canada.

University of Alberta

Ecological implications of altering the composition of mixedwood forests.

ellen
Macdonald

yolanda
Wiersma

Memorial University of Newfoundland

Protected areas in sustainable forest management: finding innovation across knowledge systems.

Université de Moncton – Edmundston

Reviewing Canadian experience of harmonization between First Nations and forest industries.

stephen
Wyatt

knowledge exchange



The Network's knowledge exchange program continued to develop products that are accessible to researchers and practitioners alike. The workshops organized under the knowledge exchange banner gave the SFM Network a national presence on research topics of serious interest to Network partners.

str Ate GiC dire Ction

Network knowledge exchange staff met several times with the Partners Committee during December 2008. A document production schedule was created outlining the production of 44 research notes and 14 syntheses prior to March 31, 2010, when the SFM Network wraps up its activities.

st AFFin G CHAn Ges

Matthew Pyper started part time with the Network in July 2008, and has been full time since March 1, 2009 as a Knowledge Exchange Specialist. His responsibilities include KETE document production, researcher liaison, conference coordination, website development and E-lectures.

Catalina Solano-Rivera began part time with the Network in October 2008 assisting with KETE document development and website updating. As of March 1, 2009, she began working full time.

Marie-Eve Sigouin and Pierre Cartier were hired on contract through CERFO. They are proofing documents and translations, and to a minor extent, maintaining contact with researchers in Eastern Canada.

Jane Stewart, who served as a KETE specialist with the SFM Network for several years, left the Network in 2009 to pursue a new employment opportunity with the Canadian Council of Ministers of the Environment, Winnipeg, Manitoba.

publis Hed r eseAr CH n otes

Twelve research notes, in English and French, were distributed to partners and other organizations in 2008. An additional five research notes were in preparation as of March 31, 2009.

Seven research notes included in the 2007/2008 year-in-review were published and distributed in 2008/09:

28: *Aboriginal community-based criteria and indicators: A localised approach* (Kopra and Stevenson)

29: *Adaptive management: learning from doing in the face of uncertainty* (D'Eon)

30: *Understanding public perception of forest management* (Welke)

31: *Conditions for economic success in First Nations forest enterprises* (Trospen, Nelson and Smith)

32: *Identifying rare species in a forest management area* (D'Eon)

33: *Maximizing ecosystem representation in managed forest landscapes* (D'Eon)

34: *Tenure and the management of non-timber forest products in British Columbia* (Tedder)



The following five research notes were distributed in January 2009:

- 35. *Competition and light in boreal mixedwoods: implications for spruce regeneration* (Lieffers and Stadt)
- 36. *Crown shyness in maturing boreal forest stands* (Lieffers)
- 37. *Pikangikum First Nation and forest fire management: old and new knowledge of fire* (Miller, Davidson-Hunt, O’Flaherty)
- 38. *Public participation and forest certification in Québec* (Roberge and Bouthillier)
- 39. *Residual tree mortality following variable retention harvesting in boreal mixedwoods* (Bladon and Lieffers)

The following six research notes were in preparation as of March 31, 2009:

- 40. *Aboriginal opinions about the consultation processes in forest management in Quebec* (Fortier)
- 41. *Spruce and aspen regeneration following variable retention harvests at EMEND* (Lieffers and Sidders)
- 42. *Deadwood-associated insect biodiversity in mixedwood forests* (Jacobs and Langor)
- 43. *Responses of arthropod biodiversity to variable green-tree retention at the EMEND experiment* (Work)
- 44. *Quantifying the influence of residual-tree responses on stand development after partial harvests* (Thorpe, Fuller, Thomas, and Caspersen)
- 45. *Collaborative modeling and social learning: engaging local people in the development and use of decision-making tools* (Labrador Forest Management Model Integration Project Team)

Another 25 research notes are currently in preparation.

publicis Hed synt Hesis r reports

Nelson, Harry. 2008. *Alternative Tenure Approaches to Achieve Sustainable Forest Management: Lessons for Canada.*

Tedder, Sinclair. 2008. *Tenure and the Management of Non-Timber Forest Products in British Columbia.*

Stevenson, M. and P. Perreault. 2008. *Capacity for What? Capacity for Whom? Aboriginal Capacity and Canada’s Forest Sector* (English distribution 2008 / French distribution 2009).

workshops And extension Activities

A series of knowledge exchange activities were held during the year, including workshops and collaboration and/or support with other organizations on the following related extension activities. (Please see the Networking Accomplishments section for more details.)

e-lecture series

The SFM Network, in collaboration with the CIF, hosted a highly successful bilingual series of eight E-Lectures between September and December 2008. The CIF provided the logistical and technical support. The Network arranged the speakers, who presented highlights of the State of Knowledge research projects. Based on the number of sites registering for each lecture, the audience was estimated at between 120 and 250 people per English lecture, and between 30 and 100 people per French lecture. PowerPoint presentations and audio recordings of the lectures are available for download from the SFM Network and CIF websites.

networking accomplishments and highlights



Over the course of the past year, SFM Network researchers, staff, partners, and committee representatives participated in workshops, conferences, and meetings from coast to coast. Examples of this extensive effort include:

Forest Co-op ontario Forest birds workshop, sault ste. Marie, on , was jointly organized by the SFM Network and the Forest Ecosystem Science Co-Operative and its partners.

Forest Landscape planning and design: From science to implementation, winnipeg, Mb , was a collaborative initiative of the SFM Network, Manitoba Conservation, Ducks Unlimited Canada, the Manitoba Model Forest and Louisiana-Pacific Canada Ltd. An audio visual recording (2 DVD set) was prepared and distributed to all participants and is available by request through the SFM Network website.

Forest tenure national workshop, vancouver, bC , was a two-day workshop highlighting results from the SFM Network project, *The Challenge of Institutional Redesign: Tenure, Competitiveness, and Sustainability*.

Hinton Field tour, Hinton/edmonton, Ab , was organized by Alberta Sustainable Resource Development. The tour included presentations on issues related to the mountain pine beetle and grizzly bear research and management.

tools to support sustainable Forest Management: lessons from the east, edmonton, Ab , brought researchers from the University of New Brunswick together with industry and government representatives from Alberta to discuss research results from SFM Network funded projects.

the role of protected Areas in sustainable Forest Management, Halifax, ns , brought together researchers and partners as part of the Network-funded State of Knowledge project, *Protected areas in sustainable forest management: finding innovation across knowledge systems*, led by Dr. Yolanda Wiersma (Memorial University of Newfoundland).

from coasts



Métis sustainable Forest Management Framework development, winnipeg, Mb, provided an overview of Métis needs, rights, and interests in the context of forestry and sustainable forest management across Canada. More than 20 participants from six provinces identified common issues faced by Métis forest-dependent communities. The workshop was a first step toward the development of a framework or approach to SFM for Métis settlements across Canada.

edmonton briefing workshop, edmonton, Ab, provided an overview of work on the State of Knowledge project, *Reviewing Canadian experience of harmonization between First Nations and forest industries*, led by Dr. Stephen Wyatt (Université de Moncton – Edmundston). It included a discussion on the effectiveness, advantages, and problems of traditional knowledge and land use mapping in forestry.

effective institutions for Aboriginal engagement in sFM, edmonton, Ab, brought together researchers and partners from across Canada. Researchers prepared written papers of their workshop presentations, which are being published in two books. The first of these books was published in time for release at the SFMN conference in April 2009. Aboriginal participants provided comments on each of the research presentations, speaking to the relevance and efficacy for Aboriginal communities and identifying research needs in terms of policy and institutional reform.

Aboriginal perspectives – Forest Futures workshop, edmonton, Ab, provided a forum for the perspectives of First Nations and Aboriginal representatives on the future of Canada's forests, and the communities and economies the forest supports.

spatial Forest Management planning under uncertainty due to natural disturbance, edmonton, Ab, discussed how to deal with the issue of uncertainty in forest management. The workshop was organized by Alberta Sustainable Resource Development with support by the SFM Network and the College of Alberta Professional Foresters.

st to coast

highly qualified personnel (hqp)

246 HQP worked on SFMN projects: 98 Masters, 76 PhDs, 25 Post Doctoral Fellows, 12 Undergraduates, 13 Technicians and 22 Research Associates.

sFM student network executive, in collaboration with Network staff, identified a number of potential HQP activities for 2008/09. Henrik Hartmann (UQAM) is acting president and Catie Burlando (UMan), Angeline Gough (UBC), and Inae Kim (UBC) are the other committee members.

Hqp poster session at April sFM network Conference: As a result of a call for abstracts, more than 70 HQP presented posters at the Network's concluding 2009 conference.

Con For 2009: A total of 89 students took part in CONFOR 2009, held January 29 – February 1 at Geneva Park, outside of Orillia, Ontario. Ongoing SFM Network sponsorship helped many more students to attend this important event than would otherwise have been possible.



communications

The SFM Network's corporate communications program continued to profile Network research results through print and broadcast media.

Achievements included:

An 11.5 minute video, *Realizing The Promise... Considering The Future*, to celebrate 14 years of Network research accomplishments.

National advertising and promotion for the Network's annual conference at the Hilton Lac Leamy Hotel in Gatineau, Québec.



Improved Net Gazette / Net Express news distribution to approx. 1,000 contacts through the use of a new electronic delivery method.

Promoted the joint CIF/SFM Network lecture series through an advertisement in the Forestry Chronicle, which included an article featuring Network-funded State of Knowledge projects.

Produced the 2008 annual report.

Produced two issues of Tomorrow's Forests:

- Spring 2008 featured Dr. Han Chen on future forest composition and structure; an update by Dr. Peter Duinker on the Forest Futures Project; an article about Forest Biomass by Dr. Jay Malcolm; an article by Dr. Marian Weber entitled "Are Tradeable Land Use Permits a Possibility for Conservation Management?"; and details about four new research notes.
- Fall 2008 featured an update on the Network's six State of Knowledge projects, with an article from each of the Principal Investigators involved.

Improved the content management system for the Network's website with the installation of a bilingual search solution. French translation for various portions of the website was reinitiated. Various new documents were uploaded including materials from the Network's 2009 conference.



governance and management

The work of many dedicated individuals, including members of the Board of Directors, Partners Committee, Research and Planning Committee, Executive Committee, Strategic Planning Committee, and the Network's Research Area Leaders, guided the SFM Network through a successful year.

t he board of directors met eight times in 2008/09. The Board focused much of its attention on ensuring the success of the Network through the conclusion of NCE funding in March 2009. The most notable achievement over the past year was a successful application to the Network of Centres of Excellence (NCE) for Research Management Funds to support an additional year of operations. The first priority in this additional year is the production and dissemination of research results through the KETE program.

The Board of Directors is also continuing its support for the development of a successor organization to fund integrated research on projects of interest to partners.

t he executive Committee met seven times in 2008/09. This committee is vital to the operation of the Board, as it deals with day-to-day business, particularly as it relates to human resources and financial planning.

t he strategic planning Committee met five times in 2008/09 to consider options for Network activities beyond the conclusion of NCE funding in March 2009.

t he research and planning Committee (rp C) met at the Annual General Meeting in Edmonton, December 2008. The RPC continues to monitor the progress of research projects and advise the Board on research planning, knowledge exchange, and other Network business.

t he partners Committee met at the Annual General Meeting in Edmonton, December 2008 and continues to advise the board on Network activities, particularly as they relate to priorities for knowledge exchange.

financial statements

Auditor's report

to the directors of the sustainable Forest Management network

I have audited the balance sheet of the Sustainable Forest Management Network as at March 31, 2009, and the statements of revenues and expenditures and changes in net assets and cash flows for the year then ended. These financial statements are the responsibility of the Network's management. My responsibility is to express an opinion on these financial statements based on my audit.

I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In my opinion, these financial statements present fairly, in all material respects, the financial position of the Sustainable Forest Management Network as at March 31, 2009, and the results of its operations and its cash flows for the year then ended in accordance with Canadian generally accepted accounting principles.

J. A. Pawluik Professional Corporation
Chartered Accountant

Edmonton, Alberta
June 5, 2009

sust Ain Able Forest MAnAGeMent networ K

Balance Sheet

March 31, 2009

	2009	2008
ASSETS		
Current Assets		
Cash	\$ 2,637,025	\$ 1,475,611
Accounts receivable	170,000	109,000
Prepaid expenses	166,587	25,836
	<u>\$ 2,973,612</u>	<u>\$ 1,610,447</u>
LIABILITIES		
Current Liabilities		
Accounts payable and accrued liabilities	\$ 118,425	\$ 215,148
Deferred revenue	244,335	375,000
	<u>362,760</u>	<u>590,148</u>
NET ASSETS		
Unrestricted	2,610,852	1,020,299
	<u>\$ 2,973,612</u>	<u>\$ 1,610,447</u>

Statement of Revenues And expenditures And CHANGES in net Assets

Year Ended March 31, 2009

	2009	2008
Revenues		
NSERC/SSHRC	\$ 4,100,000	\$ 4,100,000
Provinces, Territories, Federal Agencies	1,340,000	1,380,000
Industries and other	591,393	736,884
Flow-through contract	—	64,836
	<u>6,031,393</u>	<u>6,281,720</u>
Expenditures		
Research	3,166,330	5,001,980
Knowledge exchange and tech transfer	519,391	436,227
AGM/conference	7,137	71,191
Central administration	747,982	958,130
Flow-through contract	—	64,836
	<u>4,440,840</u>	<u>6,532,364</u>
Excess (Deficiency) of Revenues over Expenditures	1,590,553	(250,644)
Unrestricted Net Assets, Beginning of Year	1,020,299	1,270,943
Unrestricted Net Assets, End of Year	<u>\$ 2,610,852</u>	<u>\$ 1,020,299</u>

Statement of Cash Flows

Year Ended March 31, 2009

	2009	2008
CASH PROVIDED BY (USED FOR)		
Operating Activities		
Excess (deficiency) of revenues over expenditures	\$ 1,590,553	\$ (250,644)
Net change in other non-cash working capital		
Accounts receivable	(61,000)	59,333
Prepaid expenses	(140,751)	(15,600)
Accounts payable and accrued liabilities	(96,723)	49,938
Deferred revenue	(130,665)	(135,000)
Increase (Decrease) in Cash	1,161,414	(291,973)
Cash, Beginning of Year	1,475,611	1,767,584
Cash, End of Year	<u>\$ 2,637,025</u>	<u>\$ 1,475,611</u>

principal investigators and projects



Ecological and economic trade-off analysis of conservation strategies for Woodland Caribou

Adamowicz, Vic | University of Alberta

Natural capital and ecosystem valuation as a tool for sustainable forest management

Adamowicz, Vic | University of Alberta

Tools for generating maps of hydrologically sensitive areas for use in forest operations planning

Arp, Paul | University of New Brunswick

Hydroecological landscapes of Canada's forests

Buttle, James | Trent University

Forest successional dynamics in the eastern-central Canadian boreal forests: modelling compositional and structural pathways and their diversity characteristics

Chen, Han | Lakehead University

Influence of relative density and composition on growth and understory in boreal mixedwoods

Comeau, Phil | University of Alberta

Implications for water resources of activities on the forested land-base

Creed, Irena | University of Western Ontario

Applying regional dynamic models to Québec

Cumming, Steve | Université Laval

Toward adaptive ecosystem management: dialogue with Pikangikum and Moose Cree for keeping the land

Davidson-Hunt, Iain | University of Manitoba

Shared land use: management of cumulative resource development in the Treaty 8 region of Canada

Frideres, James | University of Calgary

Developing biodiversity patterns for predicting the effect of management in the boreal mixedwood forests of Alberta

He, Fangliang | University of Alberta

Climate change vulnerability and adaptation for forest management in Canada

Johnston, Mark | Saskatchewan Research Council / University of Saskatchewan

Market and institutional structures, economic welfare and global competitiveness of the Canadian forest industry

Kant, Shashi | University of Toronto

The economics of Aboriginal land use

Kant, Shashi | University of Toronto

Evaluating the potential effect of insect outbreaks on sustainable forest management

Kneeshaw, Dan | Université du Québec à Montréal

Assessing the effectiveness of forest certification as a means to achieve SFM in Canada

Larson, Bruce | University of British Columbia

Ecological implications of altering the composition of mixedwood forests

Macdonald, Ellen | University of Alberta

Using interactive forest planning models and visualization to assess public preferences for trade-offs among possible SFM futures

Maness, Thomas | University of British Columbia

Impacts of technological innovations in the forest products value chain on SFM

McFarlane, Paul | University of British Columbia

Implementing and testing decision support tools to evaluate forest management scenarios for SFM

Messier, Christian | Université du Québec à Montréal

New modelling approaches for predicting hydrologic effects of intense forest disturbance

Moore, Dan | University of British Columbia

Development and experimentation of sustainable forest management strategies: biological and Aboriginal feasibility

Valeria, Osvaldo | Université du Québec en Abitibi-Témiscamingue

Protected areas in sustainable forest management: finding innovation across knowledge systems

Wiersma, Yolanda | Memorial University of Newfoundland

Reviewing Canadian experience of harmonization between First Nations and forest industries

Wyatt, Stephen | Université de Moncton – Edmundston

corporation members, board committees and staff



GRANTING COUNCILS

- Networks of Centres of Excellence / Government of Canada
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- Social Sciences and Humanities Research Council of Canada (SSHRC)

PARTNERS

Governments

- Government of Canada (Environment Canada) (Natural Resources Canada–Canadian Forest Service) (Parks Canada, Ecological Integrity Branch)
- Government of Alberta (Advanced Education and Technology / Alberta Forestry Research Institute) (Sustainable Resource Development)
- Government of British Columbia (Ministry of Forests and Range)
- Government of Ontario (Ministry of Natural Resources)

Industries

- Alberta-Pacific Forest Industries Inc.
- Canadian Forest Products Ltd.
- J.D. Irving, Limited
- Louisiana-Pacific Canada Ltd.
- Tembec Inc.
- Weyerhaeuser Company Ltd.

NGO

- Ducks Unlimited Canada

Aboriginal

- Heart Lake First Nation
- Kamloops Indian Band
- Little Red River Cree Nation

- Metis National Council
- Moose Cree First Nation
- Treaty 8 First Nations of Alberta

Institutions

- University of Alberta (host institution)
- British Columbia Institute of Technology
- Concordia University
- Dalhousie University
- Lakehead University
- McGill University
- Memorial University of Newfoundland
- Mount Royal College
- Royal Roads University
- Ryerson University
- Simon Fraser University
- Thompson Rivers University
- Trent University
- Université de Moncton
- Université de Montréal
- Université de Sherbrooke
- Université du Québec à Chicoutimi
- Université du Québec à Montréal
- Université du Québec à Rimouski
- Université du Québec à Trois-Rivières
- Université du Québec en Abitibi-Témiscamingue
- Université Laval
- University of British Columbia
- University of Calgary
- University of Guelph
- University of Lethbridge
- University of Manitoba
- University of New Brunswick
- University of Northern British Columbia

- University of Ottawa
- University of Regina
- University of Saskatchewan
- University of Toronto
- University of Victoria
- University of Waterloo
- University of Western Ontario
- University of Winnipeg
- Wilfrid Laurier University

Affiliated Members

- Canadian Institute of Forestry
- Forest Ecosystem Science Cooperative, Inc.
- Forest Engineering Research Institute of Canada (FERIC)
- Fundy Model Forest
- Lake Abitibi Model Forest
- Manitoba Model Forest
- National Aboriginal Forestry Association

(October 2009)

BOARD MEMBERS

Mr. Fraser Dunn
(Board Chair)
Ontario Ministry of Natural Resources

Mr. Henry Benskin
B.C. Ministry of Forests and Range

Dr. Eric Butterworth
Ducks Unlimited Canada

Mr. Gary Lipinski
Metis National Council

Dr. David MacLean
University of New Brunswick

Mr. Mike Martel
Tembec Industries Inc.

Mr. Walter Matosevic
Canfor Corporation

Dr. Christian Messier
Université du Québec à Montréal

Mr. Len Moores
Newfoundland and Labrador Forest Service

Chief Morris Monias
Heart Lake First Nation

Dr. Gordon Miller
Natural Resources Canada – Canadian Forest Service

Grand Chief Arthur Noskey
Treaty 8 First Nations of Alberta

Mr. Harry Bombay
National Aboriginal Forestry Association

Ms. Sara Esam
Networks of Centres of Excellence

Mr. Steve Price
Alberta Forestry Research Institute

Dr. John Saddler
University of British Columbia

Mr. Gerry Still
B.C. Ministry of Forests and Range

Dr. Tat Smith
University of Toronto

Dr. John Spence
University of Alberta

Dr. Terry Veeman
University of Alberta

Mr. Pat Wearmouth
Weyerhaeuser Company Ltd.

Dr. James Fyles
(Ex-Officio)
Scientific Director

Ms. Lucille Partington

Mr. Barry Waito
(Ex-Officio)
Past Chair

Mr. Dale Bischoff
(Ex-Officio)
Network Manager

RESEARCH PLANNING COMMITTEE

Dr. Terry Veeman
(Chair)
University of Alberta

Dr. John Stager (Retired)
University of British Columbia

Dr. Vic Adamowicz
University of Alberta

Dr. Paul Barten
University of Massachusetts

Dr. Eric Butterworth
Ducks Unlimited Canada

Mr. Boyd Case (Retired)
Natural Resources Canada – Canadian Forest Service

Dr. Irena Creed
University of Western Ontario

Ms. Wendy Crosina
Weyerhaeuser Company Ltd.

Dr. Patrick Duffy (Retired)

Dr. Peter Duinker
Dalhousie University

Dr. George Hoberg
University of British Columbia

Dr. Ed Iwachewski
Ontario Ministry of Natural Resources

Mr. Henry Lickers
Mohawk Council of the Akwesasne

Dr. Paul McFarlane
University of British Columbia

Dr. Samantha Song
Environment Canada

Dr. Fiona Schmiegelow
University of Alberta

Dr. George Stankey (Retired)
Corvallis Forestry Sciences Laboratory

Dr. Ron Trospen
University of British Columbia

Mr. Guy Tremblay
Abitibi-Consolidated Inc.

Dr. W. Jan Volney
Natural Resources Canada – Canadian Forest Service

Dr. Barry White
Alberta Sustainable Resource Development

Dr. Jim Fyles
(Ex-Officio)
Scientific Director

Ms. Sara Esam
Networks of Centres of Excellence

PARTNERS COMMITTEE

Dr. Eric Butterworth
(Chair)
Ducks Unlimited Canada

Industry

Mr. Ed Anderson
Tolko High Level

Mr. Tim Barker
Daishowa-Marubeni International Ltd.

Mr. Dave Beck
Ainsworth Lumber Co. Ltd.

Ms. Wendy Crosina
Weyerhaeuser Company Ltd.

Dr. Elston Dzus
Alberta-Pacific Forest Industries Inc.

Ms. Donna Kopecky
Louisiana-Pacific Canada Ltd.

Mr. John MacGillivray
Bowater Forest Products Division

M. Gaétan Pelletier
J.D. Irving, Limited

Mr. Hugh Seaton
Manning Diversified Forest Products

Dr. Kari Stuart-Smith
Tembec Inc.

Mr. Guy Tremblay
Abitibi-Consolidated Inc.

Government

Mr. Jeff Delaney
Manitoba Department of Conservation

Mr. Keith McClain
Alberta Sustainable Resource Development

Dr. Ed Iwachewski
Ontario Ministry of Natural Resources

Mr. Pat MacDonell
Yukon Energy Mines and Resources

Ms. Aynslie Odgen
Yukon Energy, Mines and Resources

M. Germain Paré
Ministère des Ressources naturelles et Faune Québec

M. Denis Robitaille
Ministère des Ressources naturelles et Faune Québec

Mr. Gerry Still
British Columbia Ministry of Forests and Range

Dr. W. Jan A. Volney
Northern Forestry Centre, Canadian Forest Service

Dr. Stephen Woodley
Parks Canada (Yukon)

Aboriginal

Mr. Clément Chartier
President, Metis National Council

Ms. Patricia Aliwenzie, Chief
Moose Cree First Nation

Mr. Hammond Dick
Tribal Chief
Kaska Tribal Council

Mr. Jim McGrath
Kamloops Indian Band

Mr. Morris Monias
Chief
Heart Lake First Nation

Grand Chief Arthur Noskey
Treaty 8 First Nations of Alberta

Mr. Jim Webb
Little Red River Cree Nation

CENTRAL ADMINISTRATION

Mr. Marvin Abugov
Communications Manager

Dr. Dale Bischoff
Network Manager

Ms. Alison Boddy
Administrative Assistant

Ms. Margaret Donnelly
Knowledge Exchange Advisor

Ms. Shirley deVries
Financial Administrator

Dr. Jim Fyles
Scientific Director

Ms. Cynthia Kaufmann
Knowledge Exchange Coordinator (part-time)

Mr. Bruce Macnab
Research Administration Manager

Mr. Matthew Pyper
Knowledge Exchange Assistant

Ms. Catalina Solano-Rivera
Knowledge Exchange Assistant

Ms. Catherine Rostron
Knowledge Exchange Coordinator

Dr. Marc Stevenson
Aboriginal Program Manager