



. Steering Committee membership during FY 2011-2012. † indicates a current member of the Steering Committee.

Michael Gillingham†	Director	1 July 2008 – 30 June 2011; renewed 1 July 2011 – 30 June 2013
Peter Jackson†	Elected Member	1 July 2011 – 30 June 2013
Art Fredeen†	Elected Member	1 January 2012 – 31 January 2013
Phil Mullins†	Elected Member	1 July 2010 – 30 June 2012
Ken Otter†	NRES Grad Program Chair	No Fixed Term
Kyle Aben†	PICS Representative	No Fixed Term
Kathy Lewis	Elected Member	1 July 2009 – 30 June 2011
Dennis Procter	Elected Member	1 Jan 2010 – 31 Dec 2011

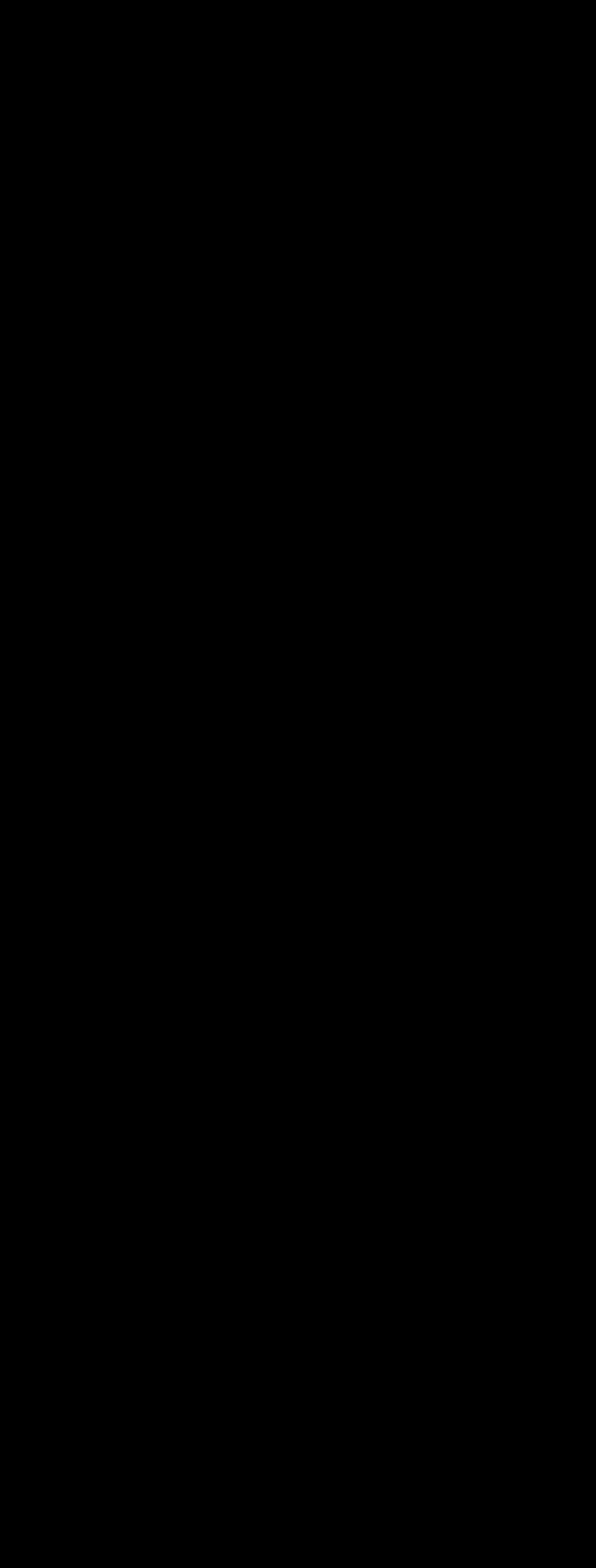
The NRESi Management Committee, which includes the Vice-President Research (Dr. Gail Fondahl), an NRES Graduate Student (current elected student is Alex Koiter), the Dean of the College of Science and Management (Dr. Dan Ryan), and all members of the NRESi Steering Committee (chaired by the NRESi Director), meets at least once annually to seek input on the performance of the Institute.

There are currently 72 members of NRESi (Table 2). A description of each member’s research interests, and links to additional information on each member, can be found on the NRESi web site at [http://www.unbc.ca/nres/institute\\_members.html](http://www.unbc.ca/nres/institute_members.html).

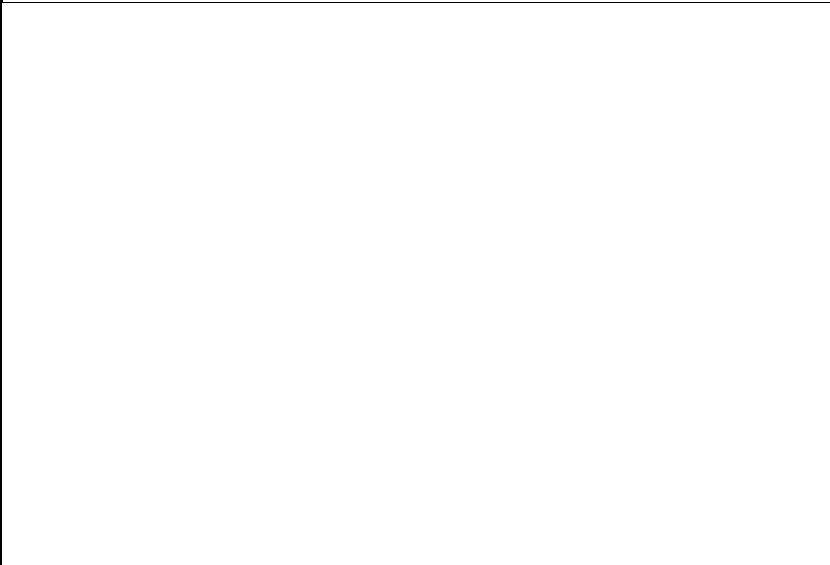
. NRESi members during FY2010-2011. The one new member is marked and R indicates a renewal during the year; Associate members are indicated by the start date for their current three-year term.

Aben, Kyle	November 20, 2009
Alstrom-Rapaport, C.	August 1, 2009
Arocena, Lito	Full

Aukema, Brian



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### *General Activities*

There are currently 72 members of NRESi made up of 58 Full members (inclusive of one Life-Time member) and 14 Associate members. Membership activity in 2011-2012 consisted loss of one Full Member as well as 2 Associate members who were no longer associated with UNBC. The memberships of two Associate members were renewed.

One of the major initiatives of NRESi during 2011-2012 was to undertake a Strategic Planning process in order to both identify the Institute's longer-term requirements and identify a sustainable model for the resourcing of NRESi. The Strategic Plan, developed by the Director with the support of the Steering Committee, was circulated to the Institute's membership in early March 2012, and was subsequently approved by the Steering Committee on March 26<sup>th</sup>.

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The Institute hosted 21 colloquia as part of



## *RESEARCH*

The NRESi links a community of researchers with varied backgrounds and research interests empowering them to pursue their disciplinary research in an interdisciplinary context. Consequently, many of the research initiatives undertaken by Institute members are collaborative efforts with other Institute members. Research endeavors can be broadly grouped into one or more of the following categories: *Ecological Patterns and Processes*, *Societal Structures and Values*, and *Earth Systems and Dynamics*.

Individual members of the Institute have strong disciplinary expertise in the natural, physical, environmental and social sciences. The NRESi provides a forum to promote integrative research to address natural resource systems and human uses of the environment, including issues pertinent to northern regions.

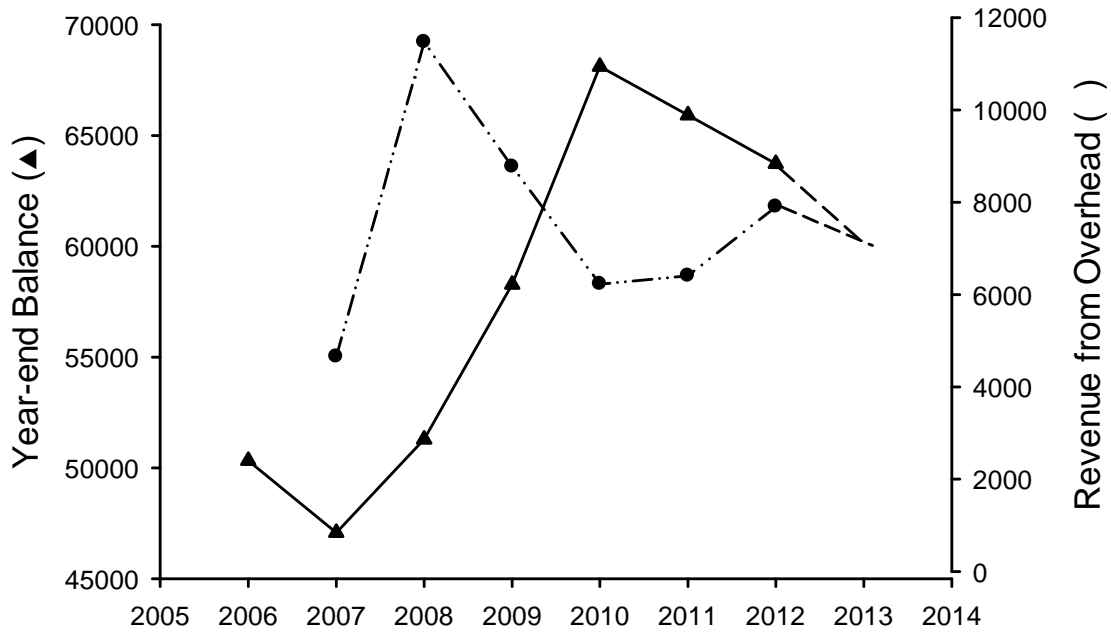
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In February, the Director submitted a proposal on behalf of several NRESi members to the BC Real Estate Foundation to examine the sustainability of increased biomass removal from forest stands in Northern BC. The proposal outlined an approach to examine the post-harvest green-house-gas balance of different biomass sources, the mineral nutrient losses that result from various intensities of biomass harvesting, and their implications for regeneration and soil ecology. Although the initial proposal was viewed as being too tightly tied to UNBC Bioenergy development, discussions are continuing with the BC Real Estate Foundation about the opportunities for funding a more general study on the sustainability of biofuel supply.

Total revenues for FY 2011-2012 came from the single source of overhead redirection. Overhead redirection from the Vice-Provost for Research and matching overhead redirection from the Ecosystem Science and Management Program (A. Booth, S. Green, C. Johnson, K. Lewis, S. Lindgren, K. Otter, K. Parker, and R. Rea), and from Environmental Science (P. Jackson) totaled \$7,905.56. A significant development with respect to overhead redirection during FY 2011-2012 was the addition of a checkbox for overhead redirection on the

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. NRESi year-end balances (▲) and revenues from overhead redirection (●) from 2006 projected through 2013. Dashed lines represent projections for overhead and year-end balance. The Institute was funded with initial, one-time financial support (\$50,000) from the Ecosystem Science and Management Program and the Dean of the College of Science and Management. Further one-time infusions from a residual NRES Faculty fund in 2009 (\$9562), and from a portion of the residual funds in the Northern Land-Use Institute (\$18,500 in 2010), have also supported the NRESi.



The Institute has three additional endowments. The main endowment (70105) is the Northwood/Canfor endowment (former to the NRES Faculty). This endowment lost approximately \$1400 in value during 2011-2012 with expenses for the 2011 NRESi Annual Lecture (held in April 2012) being \$1771.00. The NRESi Endowment (46055) has an FY 2011-2012 year-end balance of \$4,715.97 (a gain of approximately \$330 as a result of an additional donation by Art Fredeen). In addition, the Linnea Fund (34164), which is not administered by NRESi, remained with a balance of \$3,600.00. The Linnea fund permits the spending of the principle while the NRESi Endowment is a traditional endowment fund in which only interest can be used.

The primary goal of NRESi’s Strategic Plan is to allow the Institute to reach its true potential of undertaking both proactive (driven by external need and funding envelopes) and reactive (internally driven), interdisciplinary research. To date, NRESi has been most effective responding reactively to research opportunities. A fully functioning NRESi would better develop proactive and reactive research opportunities, and increase connectivity among its members and thus increase grant success rates by bringing together teams of researchers (currently affecting success with national granting agencies), all of which would bring in more



resources to UNBC and the Institute. As stated in the Strategic Plan, a first step to achieving this goal must be to make the directing and managing of the Institute a sustainable task by July 2013, at which time the Institute will recruit its next Director.

The Institute intends to continue to play a role in facilitating UNBC-based research as part of the Pacific Institute for Climate Solutions and to attempt to contribute to the development of a cumulative-impacts framework within British Columbia. To that end, the Institute intends to continue to explore possible linkages with Resources North (\_\_\_\_\_ ) in contributing to such a framework. We will continue to sponsor the Colloquium Series, an NRES Graduate Student Icebreaker early in Fall 2012 (the guest lecturer has already been identified), as well as the Annual Research Forum and Annual Lecture Series during Winter 2013. Some of the changes/initiatives that the Institute intends to initiate in 2012-2013 include the following.

The Institute will continue to work with the Office of External Relations and the Vice-President Research to build financial support for the Institute. As outlined in the NRESi Strategic Plan, our goal is to raise sufficient endowed funds over the next 5 years to be able to support much of the needed administrative structure of NRESi.

The Steering Committee believes that the Institute can continue to play a lead role in interdisciplinary research around the concepts of cumulative impacts and sustainability.