



CARBON MANAGEMENT CANADA INC.

## Research Proposal Grant Application Form

CMC Theme	Proposal Title

Project Team*					
	Name	Affiliation	Department	Website	Email
Lead PI					
Co-applicants					

Proposal page count must not exceed 10 pages. Section page counts outlined below are recommendations only. Attachments such as resumes and letters of support do not count toward the page count. Attach resumes for lead PI and co-applicants (NSERC eligible researchers attach an up to date NSERC 100 and Social Science researchers attach an up to date CV with information on research and training contributions, such as an SSHRC CV).

Team Contribution/Responsibility			
Person	Discipline	Research Contribution / Responsibility	Time Commitment (% of full time job)

Overall research objectives and the role of the project in mitigating carbon emissions <i>(1/2 page)</i>

Compelling Case (why research is needed; significance and potential scale of GHG mitigation, how research is unique and prospective)
<i>Current state of the relevant technology/knowledge base/policy (gaps, etc.) What research is already underway elsewhere? Why is the proposed research needed? How would the research complement (and be distinguished from) other current research efforts? (1 page)</i>

What insights / technologies are needed and how and why they are important for Canada (1/2 page)

Research methodology and approach (up to 3 pages)

Research collaborations and international linkages (1/4 page)

Three recent research outputs relevant to the proposal from each research group.

Nominations for up to three independent non- Canadian resident members of the International Peer review panel relevant to the proposal with contact details (This is not required and is optional).

**Valued outcomes**

How successful results will mediate carbon emissions and at what potential scale (new research insights, new technology, reduced GHGs, better policy or industry practice, reduced costs or deployment timescales. etc.) (1/2 page)

HQP targets / measures including technical staff, post doc and student development (1/4 page)

Technology/ policy transfer / implementation plan (follow-up steps to successful research) (1/2 page)

Expected outcomes/ measures of success (1/2 page)

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Primary Research Steps/Elements	Person (s) Responsible	Milestone Descriptions	Milestone Date M / D / Year

Summary of Expected Costs (\$k)						
	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Student Salaries and benefits						
Non-student salaries and benefits						
Research facilities/ minor equipment						
Other direct costs of research						
Total						\$

Complete the attached Investigator Budget Details for each investigator receiving funds from CMC.

Expected Revenues(\$k)						
	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Expected NCE Funding						
Cash investment by current partner (A) (name)*						
Cash investment by current partner (B) (name)*						
Total Cash Revenues						
In kind (describe)						

**\* Attach letter from partner that confirms funding**

Summary HQP Information						
	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Number of post doctoral staff -months						
Number of PhD student-months						
Number of technical staff -months						
Number of M Sc student-months						

**Industry and/or practitioner engagements/commitments(1/2 page)**

*Clearly indicate the steps taken by you to engage practitioner communities such as industry, government and end users. (Supporting documentation regarding letters of support or potential financial support from practitioners can be attached and do not affect the page count.)*

**Existing IP ownership / encumbrances**

*(max 1/4 page)*

**Network relationships and synergies, existing and proposed linkages and mechanisms for managing linkages with the CMC Network members, practitioners and other groups.**

*(1/2 page)*

**Dated Lead PI and Co-Applicant Signatures**

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**Administrative signatures where applicable**

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## Investigator Budget Details

Investigator:	April 1, 2011 - March 31, 2012		April 1, 2012 - March 31, 2013		April 1, 2013 - March 31, 2014		April 1, 2014 - March 31, 2015	
EXPECTED PERSONNEL	# of People	# of Months	# of People	# of Months	# of People	# of Months	# of People	# of Months
a) Postdoctoral Fellows								
b) Doctorate Students								
c) Master's Students								
d) Bachelor's Students								
e) Other (e.g. Technicians)								
<b>EXPENDITURES BUDGETED</b>								
1) Salaries to students (including benefits)	S/mo.	\$	S/mo.	\$	S/mo.	\$	S/mo.	\$
a) Doctoral <sup>1</sup>								
b) Master's								
c) Bachelor's								
2) Salaries to non-students (including benefits)								
a) Postdoctoral								
b) Other (e.g. Technicians)								
3) Operation - core facilities								
4) Equipment		\$		\$		\$		\$
a) Purchase or rental								
b) Maintenance cost								
c) Operating costs								
d) Other (specify)								
5) Materials and supplies								
6) Travel								
a) Field trips								
b) Conferences								
c) Other (specify)								
7) All Other Costs								
<b>TOTAL EXPENDITURES BUDGETED</b>								
<p>1. After award, Investigators may substitute PhD for Masters students and Research Engineers for PDFs, provided the budgets and budget guidelines are not exceeded and that a notice and brief justification for the change be sent to CMC-NCE's Managing Director on or before the date that the change of plan takes effect.</p> <p>2. List any purchased equipment &amp; describe &amp; attach justification for any equipment costing more than \$10k.</p> <p>3. Travel indicated for conferences may be applied to workshops, company interactions, and CMC-NCE meetings.</p> <p>4. Projects are reviewed annually and CMC-NCE Research Management Committee reserves the right to interrupt funding or to cancel funding if, in their judgement satisfactory progress is not being made on the project.</p>								