

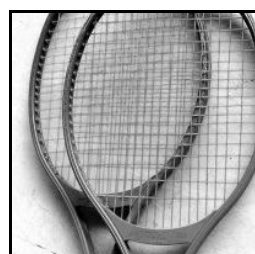
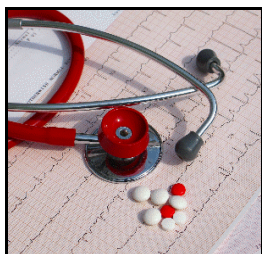


CANADIAN INSTITUTE FOR  
ENVIRONMENTAL LAW AND POLICY

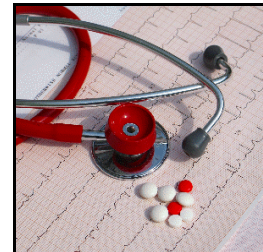
L'INSTITUT CANADIEN DU  
DROIT ET DE LA POLITIQUE  
DE L'ENVIRONNEMENT

ANNUAL REPORT 2006-2007

[www.cielap.org](http://www.cielap.org)



## Nanotechnology: The Future is Here



*Advancing the Environmental Agenda*

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## ABOUT CIELAP

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Founded in 1970, the Canadian Institute for Environmental Law and Policy (CIELAP) is an independent, not-for-profit research and education organization. CIELAP's mission is to provide leadership in the research and development of environmental law and policy that promotes sustainability and the public interest.



CIELAP's principal goals are to bring about effective and accountable environmental laws, policies and decisions, and to strengthen governance frameworks, public engagement, and other mechanisms that will help ensure government accountability.

CIELAP works to achieve these goals by providing environmental research and education in emerging and neglected policy areas – for example, nanotechnology and biotechnology, waste and water issues – as well as overarching policy processes. CIELAP research identifies environmental concerns long before they appear on the public radar. We then strive to work with all stakeholders to develop comprehensive policy solutions.

CIELAP envisions a world where everyone can enjoy a safe and healthy environment. We have remained dedicated to this vision for 37 years. Today, in 2007, CIELAP's vision and dedication remain as relevant as ever.

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## MESSAGE FROM OUR CHAIR & EXECUTIVE DIRECTOR

### Dear Friends of CIELAP

This has been a very busy year for CIELAP and its hard working staff and volunteers. During 2006-2007, CIELAP strengthened its research capacity and its web presence. CIELAP research reports from this year under review have already impacted environmental policy in Canada.

Our report on pharmaceuticals, personal care products and endocrine disrupting substances in water has resulted in the Ontario Ministry of Environment designating pharmaceuticals as a Municipal Hazardous or Special Waste under the Waste Diversion Act. Following the release of our report on the role of incineration in waste management policy we have seen many municipalities in Ontario reconsidering incineration as a viable waste management option.

In March 2007, we held a very successful workshop on nanotechnology, from which CIELAP developed a discussion paper on a policy framework for nanotechnology in Canada. One of our recommendations, that the *Canadian Environmental Protection Act* be considered as a mechanism for regulating nano-materials, was the focal point of an Environment Canada and Health Canada workshop in September 2007.

The recent United Nations Environment Programme (UNEP) report on the need to consider environmental, social and economic issues in an integrated way supports the overarching direction of CIELAP's work of the past decade. We will continue to promote our frameworks for sustainable decision making at the federal and provincial levels. We are planning our fourth *Partnering for Sustainability Conference*, for 2008.

CIELAP research continues to focus on waste management, biotechnologies and nanotechnology, as well as water and land use planning. Throughout 2006-2007, our staff and Board of Directors began a concerted effort to seek new and innovative ways to attract core funding for CIELAP to enable us to maintain our strong presence in the leading edge of environmental policy research and education. We look forward to another busy and productive year.

A handwritten signature in black ink, reading "David Powell".

**David Powell**  
President, Board of Directors

A handwritten signature in black ink, reading "Anne Mitchell".

**Anne Mitchell**  
Executive Director

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## SUMMARY OF 2006–2007 PUBLICATIONS

- *Discussion Paper on a Policy Framework for Nanotechnology.*
- *Managing Mercury in the Great Lakes: An Analytical Review of Abatement Policies.*
- *Ontario's Waste Management Challenge: Is Incineration an Option?*
- *Sustainable Groundwater Allocation in the Great Lakes Basin.*
- *A Survey of National Environmental Education and Education for Sustainable Development Laws and Policies: Lessons for Canada.*

## YEAR IN REVIEW

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### CIELAP 36TH AGM & ANNIVERSARY: INNOVATIVE TECHNOLOGIES PANEL PRESENTATION

**NOVEMBER 16TH 2006:** CIELAP celebrated its 36th anniversary with the panel presentation *Working Together for Environmentally Sustainable Innovative Technologies*. Maureen Carter-Whitney, CIELAP Research Director, chaired the presentation that included panelists Martha Hall Findlay, federal Liberal leadership candidate; Ellie Perkins, environmental studies professor at York University; and, Tracy McCowen, a bioethicist specializing in genetic technologies.

The discussion considered a range of questions relating to the environmental sustainability of innovative technologies. Among them: How can diverse stakeholders best cooperate to achieve a policy context for the development and use of innovative technologies that ensures environment protection? and, How best can the public be educated about the implications of these technologies, and engaged in deeper analysis and a meaningful debate? CIELAP panelists brought a variety of perspectives and insights to these questions.

### COMMUNICATION

CIELAP's website provides CIELAP's papers, reports, comments, and analysis to government, business, communities and individuals. In 2006-07, users downloaded over 28,000 publications from CIELAP's website, all free of charge. CIELAP's most downloaded publications during this time were: *There is No "Away": Pharmaceuticals, Personal Care Products, and Endocrine-Disrupting Substances – Emerging Contaminants Detected in Water*; *Ontario's Waste Management Challenge: Is Incineration an Option?*; and CIELAP's *Hazardous Waste Fact sheet*. CIELAP also recorded approximately 90 media mentions during this time with considerable coverage relating to its work on pharmaceuticals and incineration.

### CIELAP & THE NATIONAL FILM BOARD OF CANADA: *GREEN SCREENS*

In April 2007, CIELAP and the National Film Board of Canada (NFB) launched *Green Screens*, an initiative that partners NFB film screenings with experts and panelists coordinated by CIELAP to discuss the policy implications of issues raised in the film.

**April 16th 2007:** CIELAP and the National Film Board of Canada presented *Refugees of the Blue Planet*, the first film of the *Green Screens* series, in Toronto. A discussion, chaired by Anne Mitchell, followed with Lawson Hunter, journalist, writer and renewable energy supporter; Danny Harvey, professor in the Department of Geography at the University of Toronto and an expert on the impact of climate change; and, Mary Jo Leddy, director of Romero House for Refugees.



**May 28th 2007:** CIELAP and the NFB presented *Manufactured Landscapes*, the second film of the *Green Screens* series, in Toronto. The policy panel that followed was made up of Colin Isaacs, President of environmental consultancy firm CIAL Group; Grant Caven, Manager of Environment, Health and Safety (EHS) for a prominent retail organization; and Maureen Carter-Whitney, CIELAP Research Director. The panel was chaired by Bill Coulter, weather anchor on *Global Morning News*.

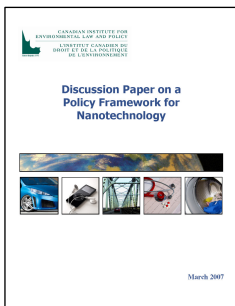


# YEAR IN REVIEW

## INNOVATIVE TECHNOLOGIES: BIOTECHNOLOGY & NANOTECHNOLOGY

Throughout the year, Anne Mitchell, CIELAP Executive Director, sat on the Canadian Biotechnology Advisory Board (CBAC) in order to raise concerns about emerging biotechnologies in Canada and to bring greater balance to this advisory committee. In May 2007, the Government of Canada's new *Science and Technology Strategy* eliminated CBAC and other advisory groups, replacing them with an advisory council of university and industry appointees, with no representation from NGOs and other important voices. CIELAP stated its opinion to the Minister of Industry, in writing, that the ethical, social and environmental aspects of biotechnology, including considerations for environmental regulation and a precautionary approach, will be under-represented on this new council.

**OCTOBER 26TH 2006:** Anne Mitchell led a Knowledge Cluster meeting on the theme of *Biotechnology: What Do Canadians Expect of Their Governments?* Participants of this meeting discussed innovative technologies, including plant molecular farming, genetically engineered trees, biofuels and nanotechnology. These technologies will play a central role in Canada's future bioeconomy.



**MARCH 16TH 2007:** CIELAP held a one-day workshop that brought together stakeholders from a variety of perspectives including government, industry, non-profits, and academics to discuss how to move towards an appropriate policy framework for nanotechnology. Along with additional research, this workshop provided the basis for CIELAP to develop and release a *Discussion Paper on a Policy Framework for Nanotechnology* at the end of March.

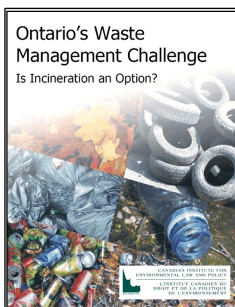
**MAY 31ST 2007:** Susan Holtz, CIELAP Senior Policy Analyst, facilitated a Knowledge Cluster Meeting focusing on CIELAP's *Discussion Paper on a Policy Framework for Nanotechnology*.

**JUNE 26TH-27TH 2007:** Anne Mitchell attended the *Fourteenth Regular Session of the Council of the Commission for Environmental Cooperation* in Mexico. Anne delivered an oral statement focusing on the need for the CEC to include an assessment of the environmental impacts related to the use of nanotechnology in North America as an environmental issue of continental concern.

## HAZARDOUS AND SOLID WASTE

Throughout 2006-2007, CIELAP provided comments to the Ontario Ministry of the Environment (MOE) on proposals that the MOE posted on the Environmental Registry. These included the *Designation of Municipal Hazardous or Special Waste under the Waste Diversion Act, 2002*; *Regulatory Amendments to Facilitate Waste Recycling, the Use of Alternative Fuels and New and Emerging Waste Management Technologies*; and the *Environmental Assessment Process Requirements for Certain Waste Management Sites*. CIELAP also published an open letter to the MOE's Waste Management Policy Branch urging the Ontario government to develop a comprehensive waste management program to address this growing concern.

Also throughout this year in review, Anne Mitchell sat on Environment Canada's *National Pollutant Release Inventory (NPRI)* Work Group.



**JANUARY 2007:** Maureen Carter-Whitney, CIELAP's Research Director, was selected for and participated in a consultation process on Environment Canada's proposed revisions to the *Federal Mobile PCB Treatment and Destruction Regulations*. In January 2007, the small group of non-profit representatives provided feedback in the form of a written report.

**MARCH 2007:** CIELAP released *Ontario's Waste Management Challenge: Is Incineration an Option?* This report provides background and context for the incineration debate in Ontario; sets out advantages and disadvantages of incineration technologies; reviews current and proposed regulations relating to municipal solid and hazardous waste; and provides a policy perspective along with eleven recommendations for Ontario.

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## WATER

During 2006-2007, CIELAP provided written comments in response to Ontario Ministry of the Environment (MOE) proposals posted on the Environmental Registry. This included the *First Phase of Regulations Under the Clean Water Act, 2006*; the *Renewal of the Canada-Ontario Agreement Respecting the Great Lakes Basin Ecosystem*; and, the MOE's *Discussion Paper on Source Protection Committees Under the Clean Water Act, 2006*.

**SEPTEMBER 28TH 2006:** Romila Verma, CIELAP Research Associate, led a Knowledge Cluster Meeting on *Urban Water Management Issues* including the replacement of aging infrastructure, the role of public education in conservation, as well as law and policy on these issues.

**NOVEMBER 10TH 2006:** Susan Holtz, CIELAP Senior Policy Advisor, was a keynote speaker at the *Lake Superior Binational Forum* meeting in Thunder Bay. Susan spoke on the subject pharmaceuticals and emerging contaminants in water.

**DECEMBER 2006:** The peer-reviewed *International Journal of Water Resources Development* published CIELAP's "Sustainable Groundwater Allocation in the Great Lakes Basin," authored by Satya P. Mohapatra, Timothy L. Morris and Anne Mitchell.

**JANUARY 2007:** Anne Mitchell provided an oral statement to the Canadian Council of Ministers of the Environment (CCME) regarding *Options for a Canada-Wide Strategy for Managing Municipal Wastewater Effluent*.

**APRIL 2007:** The peer-reviewed *Journal of Environmental Management* published CIELAP's "Managing Mercury in the Great Lakes: An Analytical Review of Abatement Policies" authored by Satya P. Mohapatra, Iana Nikolova, and Anne Mitchell.

**JUNE 2007:** The Ontario Ministry of the Environment (MOE) published its first *Annual Report on Drinking Water*, which included a section highlighting the hazards of Pharmaceuticals and Personal Care Products (PPCP) in water. In its report, the MOE proposed further research on PPCPs and working with the Ontario College of Pharmacists to initiate a province-wide "take-back" program for the safe disposal of pharmaceuticals to address the issue. These actions follow the recommendations CIELAP made in its 2006 report *There is No "Away"*.

## OTHER

**SEPTEMBER 2006:** CIELAP presented its comments on the *Review of the Canadian Environmental Protection Act 1999* to the House of Commons Standing Committee on Environment and Sustainable Development.

**OCTOBER 2006:** CIELAP released *A Survey of National Environmental Education and Education for Sustainable Development Laws and Policies: Lessons for Canada*, written by CIELAP Research Associate, Matt Binstock.

**JANUARY 15TH 2007:** Maureen Whitney-Carter attended the *Workshop on the Use of Data from Pollutant Release and Transfer Registers (PRTRs)* held in Santiago, Chile. Maureen presented CIELAP's experience with PRTRs both domestically and internationally. She also discussed matters relating to *Canada's National Pollutant Release Inventory (NPRI)* with colleagues from Chile, who are working with Canada on the development of a Chilean PRTR.

**JANUARY 22ND 2007:** Maureen Carter-Whitney attended a meeting of the Brownfield Stakeholder Group to discuss potential legislative reforms aimed at addressing some of the identified liability and regulatory barriers to brownfield redevelopment. CIELAP also submitted joint comments with the Canadian Environmental Law Association (CELA) on the proposed reforms in February 2007. Some of these reforms were passed by the Ontario legislature on May 17th 2007.

**MARCH 1ST-2ND 2007:** Susan Holtz, as an Environmental Non-Government Organization (ENGO) representative, attended the *Consultative Scoping Workshop for An Environmental Outlook for Canada (EOC)*, in Montreal.

## YEAR IN REVIEW

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# FINANCIALS

## CIELAP FINANCIAL STATEMENTS: 2006-2007

	June 30, 2007	June 30, 2006
<b>Assets</b>		
Current		
Cash and short-term deposits	\$16,870	\$ 5,146
Accounts receivable	3,897	25,397
Prepaid expenses	<u>5,496</u>	<u>5,148</u>
	26,263	35,691
Capital assets	<u>-</u>	<u>1,088</u>
	<b><u>\$ 26,263</u></b>	<b><u>\$ 36,779</u></b>
<b>Liabilities</b>		
Current		
Accounts payable and accrued liabilities	\$ 8,016	\$ 9,057
Deferred revenue	<u>22,289</u>	<u>39,780</u>
	30,305	48,837
<b>Deficit</b>	<u>(4,042)</u>	<u>(12,058)</u>
	<b><u>\$ 26,263</u></b>	<b><u>\$ 36,779</u></b>

### Statement of Operations and Deficit

	Year End June 30, 2007	Year End June 30, 2006
<b>Revenue</b>		
Project Revenue		
Corporate and individual donations	42,076	51,207
DFAIT	-	20,617
Environment Canada	23,958	36,490
Foundation grants	33,200	21,181
IDRC	-	46,279
Event sales	-	23,755
Other government revenue	34,137	11,059
Other income	<u>9,433</u>	<u>13,386</u>
	142,804	223,974
Corporate and individual donations	11,847	13,694
Government and foundation grants	2,671	4,994
Interest	185	766
Royalties and other income	<u>29,475</u>	<u>27,986</u>
	<b><u>186,982</u></b>	<b><u>271,413</u></b>
<b>Expenses</b>		
Amortization	1,088	981
Communications	4,576	3,972
Direct project expenditures	17,192	92,998
Fundraising	1,907	11,441
General	1,355	5,848
Insurance	4,022	3,529
Loss on foreign exchange	-	76
Office	1,403	3,801
Professional fees	15,662	16,662
Rent	35,518	34,669
Salaries and benefits	<u>96,243</u>	<u>94,436</u>
	<b><u>178,966</u></b>	<b><u>268,412</u></b>
Excess of revenue over expenses for the year	8,016	3,001
Deficit, beginning of year	<u>(12,058)</u>	<u>(15,059)</u>
Deficit, end of year	<b><u>\$ (4,042)</u></b>	<b><u>\$ (12,058)</u></b>

### Auditors' Report

To the directors of the Canadian Institute for Environmental Law and Policy.

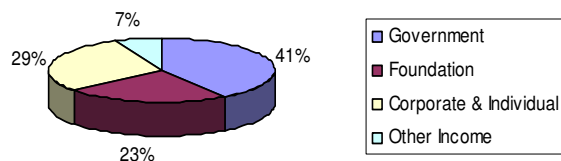
We have audited the financial statements of the Canadian Institute for Environmental Law and Policy as at June 30, 2007 in accordance with Canadian generally accepted auditing standards and expressed an unqualified opinion on these financial statements in our report dated September 12, 2007.

In our opinion, the information in these condensed financial statements is consistent with the above-mentioned financial statements from which they derived.

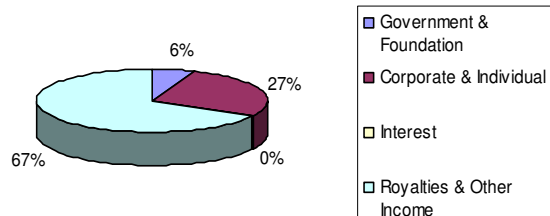
To obtain a better understanding of the organization's financial position and the results of its operations and cash flows for the year in question, the condensed financial statements should be read in light of the relevant audited financial statements.

Chaplin & Co., Chartered Accountants  
Licensed Public Accountants  
Toronto, Ontario, Canada  
September 12, 2007

Close to 41% of CIELAP's projects are funded by government grants



Over 67% of CIELAP's general (core) funding comes from sources other than government/foundation/private grants



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## THANK YOU !

CIELAP's board, staff and volunteers would like to extend their gratitude to those who have given financial support to help advance our mission in 2006-2007.

## OUR SUPPORTERS

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### CORPORATIONS & BUSINESSES

Access  
Canadian Plastics Industry Association  
CG Operations Limited  
Dow Chemicals Canada  
Emond Montgomery  
Falconbridge  
Inco  
Marbek  
Scotiabank  
Thomson Carswell Publishers  
Willms & Shier

### GOVERNMENT DEPARTMENTS & AGENCIES

Canada Foundation for Innovation  
Edmonton Waste Management  
Environment Canada  
Genome Canada  
Health Canada  
Industry Canada  
International Development Research  
Centre  
Legislative Assembly of Ontario  
Ministry of Finance  
Public Works & Government Services  
Canada

### INDIVIDUALS

Douglas Anglin  
David Bell  
Jim Bradley  
Peter Broder  
Jackie Campbell  
Joseph Castrilli  
Sophia Chan-Combrink  
Dan Cooperstock  
Jack Davidchuk  
Kathy Deeg  
Susan Edwards  
Glen Estill  
David Estrin  
Roberta Ferrence  
Murali Ganapathy  
Bob Gibson  
Kenneth Gilmour  
Angelica Guillarte  
Rose Mae Harkness  
James Heller

Ole Hendrickson  
Susan Holtz  
Alan Hutton  
Michelle Kassel  
Saewan Koh  
Stephen Kotze  
Jeffrey Kraegel  
Claude-Andre Lachance  
Brian Latham  
Nina Lester  
Jeffrey Lipton  
Carol MacLeod  
Rod MacRae  
Gar Mahood  
John Manzig  
Duncan Mavin  
Jane McKay Wright  
Rosemary Meier  
Anne Mitchell  
Parker Morton

### FOUNDATIONS

Friends of the Greenbelt Foundation  
Henry & Berenice Kaufmann Foundation  
The McLean Foundation  
Toronto Community Foundation

### OTHER INSTITUTIONS & ORGANIZATIONS

Canadian Environmental Law  
Association  
Canadian Environmental Network  
Coutts Library  
Sustainability Network  
The Delphi Group  
University of Montreal  
University of Ottawa  
United Way  
UJA Federation of Greater Toronto  
York University

David Odell  
Sandra Odendahl  
Peter Pickfield  
Harry Poch  
David Powell  
Alison Scott Butler  
Martha Shuttleworth  
Maryam Siddiqi  
Don Smith  
Inez Somerville  
Rebecca Sugarman  
John Swaigen  
George Tillman  
John Vincett  
Mary & Joseph Vise  
Ginny Walsh  
Cathy Wolfe  
& Anonymous

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## CIELAP PEOPLE

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### BOARD OF DIRECTORS & STAFF 2006-2007

Over 2006-2007, CIELAP said goodbye to board members Darren Coleman, Claude-Andre Lachance, Tania Monteiro and Maryam Siddiqi. We thank them for their contributions and support, and we wish them well in their future endeavors. At our AGM in November 2006, we welcomed Grant Caven, Duncan Mavin, Robert Redhead and Paul Young to the Board.

#### BOARD OF DIRECTORS

Jackie Campbell  
Grant Caven  
Sophia Chan-Combrink, Secretary  
Nicole Geneau, Chair, Fund Development  
Duncan Mavin, Treasurer  
Ryan Merkley  
Sandra Odendahl  
Ellie Perkins, Chair, Research  
David Powell, President  
Robert Redhead  
Paul Young

#### STAFF

Maureen Carter-Whitney, Research Director  
Susan Holtz, Senior Policy Analyst  
Steve Kotze, Finance  
Eva Mintcheva, Accounts Officer  
Anne Mitchell, Executive Director  
David Newel, Editor & Photographer  
Carolyn Webb, Communication & Project Development Officer

#### RESEARCH ASSOCIATES

Matt Binstock, Research Associate  
Lawson Hunter, Public Relations  
Tracey McCowen, Research Associate  
Satya Mohapatra, Research Associate  
Romila Verma, Research Associate

#### INTERNS

Karen Brandt (Sheridan College)  
Craig Case (U of Toronto)  
Gavin Cheung (U of T Pro-Bono)  
Caroline De Vit (U of Western)  
Tim Fish (Queen's University)  
Steve Hubbard (Albert-Ludwigs Universität, Germany)  
Sarah May (Ursula Franklin Academy)  
Simret Sidhu (U of Windsor)  
Shikha Prashar (Sheridan College)  
Marlena Rogowska (U of Toronto)  
Alina Silvestrovici (U of T Pro-Bono)  
Mélanie Vogel (Toulouse, France)  
Firdaus Walele (U of T Pro-Bono)

#### VOLUNTEERS

Naomi Achus	Yinka Obasa
Samantha Azzarello	Tera Orchard
Nick Brandon	Erica Pinto
Joseph Carnevale	Ria Rampersad
Maxime Chollet	Sara Reed
Kelly Galaski	Emily Richardson
Nick Gorski	Luke Rodgers
Marta Hernandez	Nick Rolfe
Natasha Jailal	Allison Ross
Andrew Kinoshita	Lisa Rudolph
Pauline Li	Christine Toczek
David MacDonald	Joanna Vince
Zabrina Mok	Anna Yusa
Niya Nikitova	Shadab Yusuf
Minh Ngo	

Using the Volunteer Value Calculator (<http://www.kdc-cdc.ca/vvc/eng/>), the estimate of the Value of Volunteer Activity at CIELAP in 2006-2007 was \$79,846. This is the equivalent of 1.8 full-time year-round jobs.

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## CONTACT CIELAP

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[www.cielap.org](http://www.cielap.org)



CANADIAN INSTITUTE FOR  
ENVIRONMENTAL LAW AND POLICY

L'INSTITUT CANADIEN DU  
DROIT ET DE LA POLITIQUE  
DE L'ENVIRONNEMENT