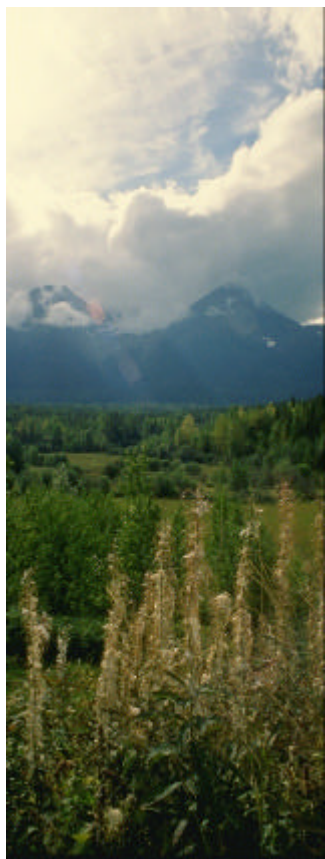




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# CECAB Certification Programs

2005 CEAA Technical Conference

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October 2005

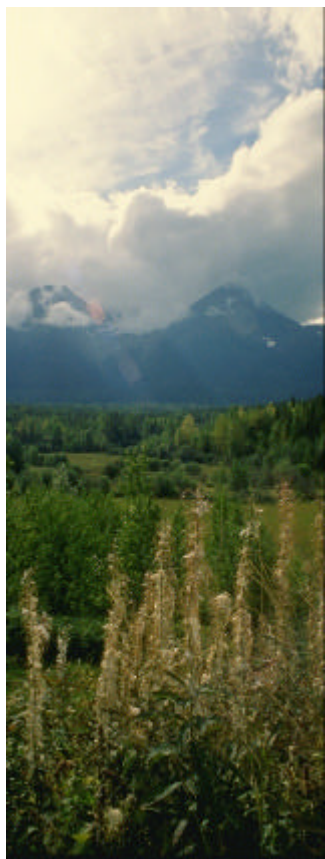


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## Environmental Employment(ELM 2004)

- 251,000 people (166,000 Environmental Practitioners – 66%)
  - University Degree – 67%
  - College Diploma – 33%
- 10,100 organizations employ environmental practitioners



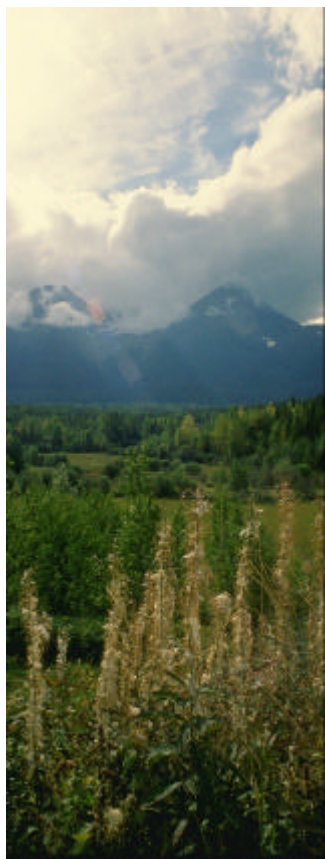


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## Activities Undertaken by Environmental Practitioners

- **Site remediation, restoration and reclamation – 31%**
- **Development of environmental policies/legislation and compliance auditing – 30%**
- **Health and safety, industrial/occupational hygiene – 28%**
- **Applied environmental management in energy – 15%**





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## Estimated Number of Environmental Practitioner Vacancies (2003)

Management positions	1,650 (14%)
Non-management positions	10,150 (86%)
Total vacancies	11,840 (100%)



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## Projected Demand for Environmental Practitioners (2003-2006)

Occupational Group	Employment in 2006	Projected Employment in 2006	Difference
Management positions	40,450	47,000	+6,500 (+16%)
Non-management positions	125,550	146,000	+20,450 (+16%)
Total Environmental Practitioners	166,000	193,000	+27,000 (+16%)





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## What is CECAB?

- Professionally autonomous board established in 2000 by ECO Canada (formerly CCHREI)
- National, voluntary certification program for people that work in the Canadian environmental sectors
- CCEP designation: Canadian Certified Environmental Practitioner
- CEPIT program: Canadian Environmental Practitioner-in-Training
- Auditing and assessor designations – CEA, CEAS, CEA(SFM)





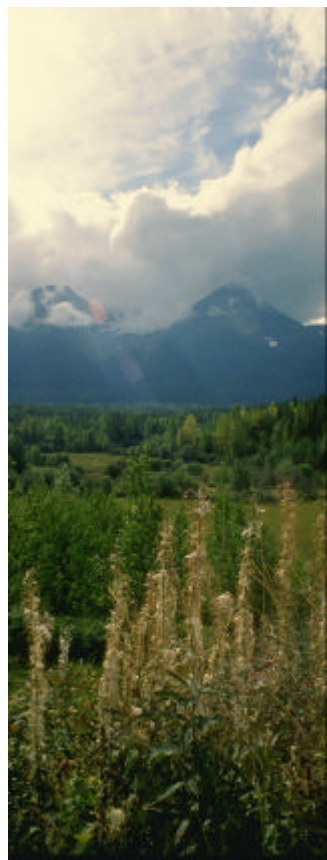


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## Certification Initiative

- National conferences (1995, 1996)
- National consultation (PW, 1996)
- National survey (1997)
- Townhall meetings (1997/98)
- National taskforces (1998)
- Development of e-profiling prototype (1998/99)
- Pro-tem board (August 2000)
- First practitioners certified in November 2000





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# Why Certification?

## Advantages:

- Formally recognizes environmental expertise
- Establishes professional credibility at a national level
- Verifies on-the-job competence
- Enhances practitioner marketability and mobility







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## E-profiling: a modern approach to certification

- Voluntary
- National
- Multidisciplinary
- Competency-based evaluation
- Environmental employment subsectors
- Interactive electronic procedure
- Flexible, available 24/7 anywhere in Canada
- Rigorous, impartial, non-biased





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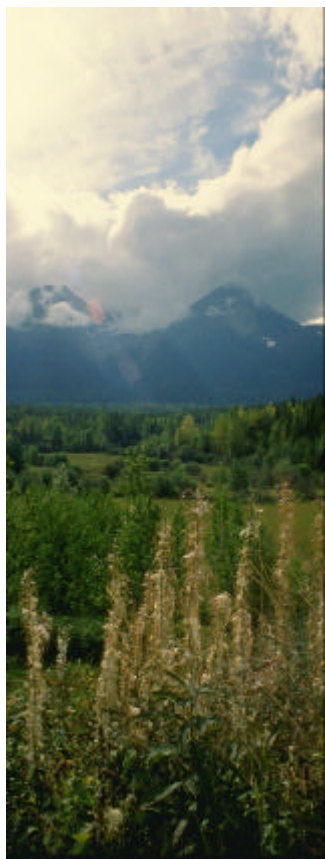
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## CEAA-ECO Partnership

*Partnership between ECO Canada (formerly the Canadian Council for Human Resources in the Environment Industry – CCHREI) and the Canadian Environmental Auditing Association (CEAA) to manage auditing certification processes via CECAB's web-based application system.*

### Benefits:

- Reduced administrative costs.
- Reduced application period.
- Centralized environmental certification in Canada.





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## CEAA-ECO Partnership

*Since July 2004, CECAB has been accepting all new applications for the CEA, CEA(SFM), and CEAS designations.*

### Members' Site Access:

- All CEAA certified members can apply for CCEP from the CECAB members' site without having to set up a new account.
- All CCEPs can apply for auditing without entering in their resume information again.





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# Certification Requirements

- Minimum level of Post-secondary education (college/university)
- 5 years of relevant work experience
- Agree to Code of Ethics
- Maintenance through professional development



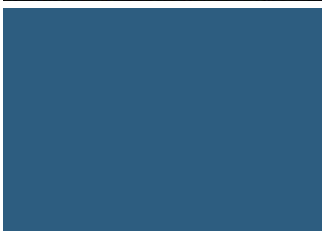


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# Certification Process

- Profile – basic resume information
- Self-Assessment / or Audit/Assessment Log entry
- Comparison Against National Occupational Standards / or Registrar Review
- Peer Review / or Panel Review
- Written exam \*\*\*
- Board Review







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## Who's Certified?

- individuals from each province and territory
- Individuals from disciplines including:
  - Engineering
  - Agrology, Biology, Chemistry
  - Environmental Science
- individuals in private and public sectors
  - Small and large enterprise
  - Municipal, provincial, and federal government
  - Educational institutions
  - Not for profit organizations







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## Who's Certified?

- There are > 1000 Certified CECAB members
- ~20 new certified individuals each month
- ~100 new applications are initiated each month





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## Who's Certified?

- >200 people who have initiated auditing related accounts since July 2004
- Average of 12 new designations applied for per month
- 60% CEA, 30% CEAS, 10% CEA(SFM)





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# The Future of Environmental Certification...



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## Where Can This Go?

The certification system developed by CECAB can be reproduced and modified for other environmental practitioner groups where the need for a defined level of standardization has been identified.





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# Current Projects

- Environmental Monitors
- Water and Wastewater Operators
- Meteorologists





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# Potential Projects

- Greenhouse Gas Verifiers
- Health and Safety Auditors
- Contaminated Site Assessors





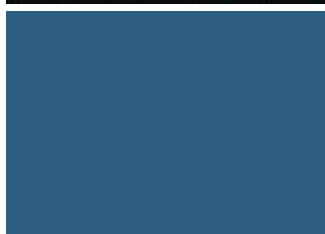


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## How Potential Projects Become Current Projects...

- Labour Market Research
- National Survey
- Focus Groups
- National Occupational Standards (NOS)
- Validation
- Occupational Analysis





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## Summary

- Current Labour Market Information (LMI)
- Risk assessment
- Meet international requirements
- Link to private sector & government priorities
- User driven





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Canadian Environmental  
Certification Approvals Board

Bureau canadien de reconnaissance  
professionnelle des spécialistes de  
l'environnement

**BCRPSE**

CANADA'S NATIONAL CERTIFICATION BODY FOR ENVIRONMENTAL PRACTITIONERS  
CERTIFICATION NATIONALE POUR LES SPÉCIALISTES CANADIENS DE L'ENVIRONNEMENT

**[www.cecab.org](http://www.cecab.org)**