

EP Certification for the Contaminated Sites Industry

RemTech 2011

Banff, AB



ECO CANADA

Environmental Careers Organization

Presentation Overview



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Environmental Careers Organization

About ECO Canada?

About EP Certification

- Specializations
- Contaminated Sites Specializations
- ISO 17024 Accreditation

Benefits of Certification

- Recognition
- Networking

Plans for EP Certification

- Where things are today
- Where they are going

www.eco.ca/certification

About ECO Canada?



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Environmental Careers Organization

The origins of ECO Canada



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- Created in 1992
- The National Sector Council for the Environmental Sector
- Work with thousands of environmental employers and professionals across Canada to define environmental employment, and understand and create solutions for major issues facing the sector

Vision



ECO CANADA
Environmental Careers Organization

ECO Canada's mission:

“To create the world's leading environmental workforce.”

ECO Canada mandate



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ECO Canada:

- **Develops** programs that help *individuals* build meaningful environmental careers,
- **Provides** *employers* with resources to find and keep the best environmental practitioners, and
- **Informs** *educators and governments* of employment trends to ensure the ongoing prosperity of this growing sector.

Membership



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Client Segment	<i>Registered Clients</i>
Employers	10,990
Professionals	109,375
Educators	6,600
Students	57,000
Other stakeholders	4,244
	188,209

Key Program Success



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Program	Clients
EP Certified Members	1,697
Environmental Interns	3,322
Aboriginal training graduates	875
Canadian Centre for Environmental Education students	721

The Environment Sector Today



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Employs 682,000*
(represents 4.0% of
Canadian workforce)

Rapidly growing

318,000 Employers
(represents 17% of
Canadian organizations)

**Constantly
evolving**

Multi-disciplinary



Environmental Employment

Environmental
work is multi-
disciplinary and
incorporated in
many different
industries



Certifying Body for the EP Designation



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CERTIFICATION BODY

- National **marketing** of EP certifications
- **Administration/evaluation** of certification and re-certification candidates: 3 full time-staff
- Development of national partnerships to **promote and benefit** certified members
- Research, development and implementation of the **National Occupational Standards**
- **Coordination** of local chapters



SAFEGUARD ON IMPARTIALITY

- 9 board members
- 5 committees/sub-committees
- 75 volunteers
- **Oversight of the administration, evaluation and approval processes** for certification and re-certification candidates
- **Disciplinary action** related to violations of the EP Code of Ethics



8 REGIONAL CHAPTERS

- Delivery of ongoing **local network building initiatives**
- **Promotion** of the EP designation at the **local level**

About EP Certification



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Employment

Build your
Career

Networking

Professional Certification

Training and Development

Mentorship

For more information:

www.eco.ca/certification



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The screenshot shows the website for ECO Canada's Professional Certification. The top navigation bar includes links for ABOUT US, PROJECTS, CERTIFICATION, PUBLICATIONS, MEDIA, LINKS, EMPLOYERS, PROFESSIONALS, EDUCATORS, and STUDENTS. The main header features a large image of a mountain landscape with the word "Certification" in a large, light blue font. Below this, there are two buttons: "Log in to your certification account" with a "CLICK HERE" link, and "Not certified?" with an "APPLY NOW" link. The main content area is titled "Environmental Professional certification" and includes the tagline "The Standard of Excellence in Environmental Employment". It features a large "(EP)" logo and a paragraph explaining the certification's purpose. Below this, a section titled "Why Get Certified?" lists five bullet points: 1. Establishes your professional credibility, 2. Formally recognizes the specific environmental expertise, 3. Verifies the skills and knowledge, 4. Enhances marketability and mobility, and 5. Offers valuable discounts and prequalification on liability insurance. On the right side, there is a "MY COMMUNITY" section with "BLOG POSTS" including "What's Your Attitude at Work?" and "5 Green Jobs That Make an Impact".

ABOUT US PROJECTS CERTIFICATION PUBLICATIONS MEDIA LINKS EMPLOYERS PROFESSIONALS EDUCATORS STUDENTS

Certification

CERTIFICATION MEMBER LOG IN
Log in to your certification account [CLICK HERE](#)
Not certified? [APPLY NOW](#)

ABOUT SPECIALIZATIONS NETWORKING MEMBER DISCOUNTS ROSTER NEWS CONTACT US

Environmental Professional certification

The Standard of Excellence in Environmental Employment

(EP)

For over a decade, ECO Canada has offered professional designations specifically for environmental professionals. Overseen by the Canadian Environmental Certification Approvals Board (CECAB), Environmental Professional certification is the only designation of its kind in Canada to provide professionals with formal recognition of their unique environmental competencies.

Certification is crucial in the environmental sector where green-washing makes it difficult to separate the self-proclaimed experts from the real ones. It demonstrates an individual's professionalism, commitment to the field, and desire to remain on top of current practices. It is also a measure of a professional's competencies against verified standards, which set them apart from others in the industry.

Why Get Certified?

- **Establishes your professional credibility** at a national level with clients and employers based on the unique combination of skills, practical knowledge, and experience you have acquired.
- **Formally recognizes the specific environmental expertise** you have gained on-the-job.
- **Verifies the skills and knowledge** you need to perform environmental work.
- **Enhances marketability and mobility** by providing you with national recognition, making it easier for you to transfer your skills to another position or geographical location.
- **Offers valuable discounts and prequalification on liability insurance.** Certified members are prequalified for the lowest errors and omissions and commercial general liability insurance rates for environmental professionals in the country in recognition of their

MY COMMUNITY

BLOG POSTS

HR POSTS | CAREER POSTS | ALL POSTS

What's Your Attitude at Work?

Posted: Tuesday, October 12, 2010
0 comments

5 Green Jobs That Make an Impact

Posted: Monday, October 18, 2010
0 comments

Specializations



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(EP) Environmental Professional CERTIFICATION

STREAM	Professionals			Managers	Auditors	GHG Professionals	Meteorologists
SPECIALIZATIONS	<u>ENVIRONMENTAL PROTECTION</u>	<u>RESOURCES MANAGEMENT</u>	<u>ENVIRONMENTAL SUSTAINABILITY</u>	<u>ENVIRONMENTAL MANAGEMENT</u>	<u>ENVIRONMENTAL AUDITING</u>	<u>GREENHOUSE GAS REPORTING</u>	<u>PROFESSIONAL METEOROLOGIST</u>
	Air Quality Water Quality Site Assessment & Reclamation Waste Management Health & Safety	Energy Fisheries & Wildlife Natural Resources Management	Education & Training Research & Development Policy & Legislation Communications & Public Awareness	Environmental Manager Combining environmental and management expertise for decision-making and leadership	Environmental Compliance Environmental Management Systems	Project Quantifier Inventory Quantifier Verification Team Lead Verification Quantification Expert Verification Audit Expert	Operational Meteorologist Research Meteorologist Applied Meteorologist
TITLE	EP				EP(CEA) EP(EMSLA)	EP(GHG)	P.MET

Specializations

Related to Contaminated Sites



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(EP) Environmental Professional CERTIFICATION

STREAM	Professionals			Managers	Auditors	GHG Professionals	Meteorologists
SPECIALIZATIONS	<u>ENVIRONMENTAL PROTECTION</u>	<u>RESOURCES MANAGEMENT</u>	<u>ENVIRONMENTAL SUSTAINABILITY</u>	<u>ENVIRONMENTAL MANAGEMENT</u>	<u>ENVIRONMENTAL AUDITING</u>	<u>GREENHOUSE GAS REPORTING</u>	<u>PROFESSIONAL METEOROLOGIST</u>
	Air Quality Water Quality Site Assessment & Reclamation Waste Management Health & Safety	Energy Fisheries & Wildlife Natural Resources Management	Education & Training Research & Development Policy & Legislation Communications & Public Awareness	Environmental Manager Combining environmental and management expertise for decision-making and leadership	Environmental Compliance Environmental Management Systems	Project Quantifier Inventory Quantifier Verification Team Lead Verification Quantification Expert Verification Audit Expert	Operational Meteorologist Research Meteorologist Applied Meteorologist
TITLE	EP				EP(CEA) EP(EMSLA)	EP(GHG)	P.MET

EP Designation HISTORY



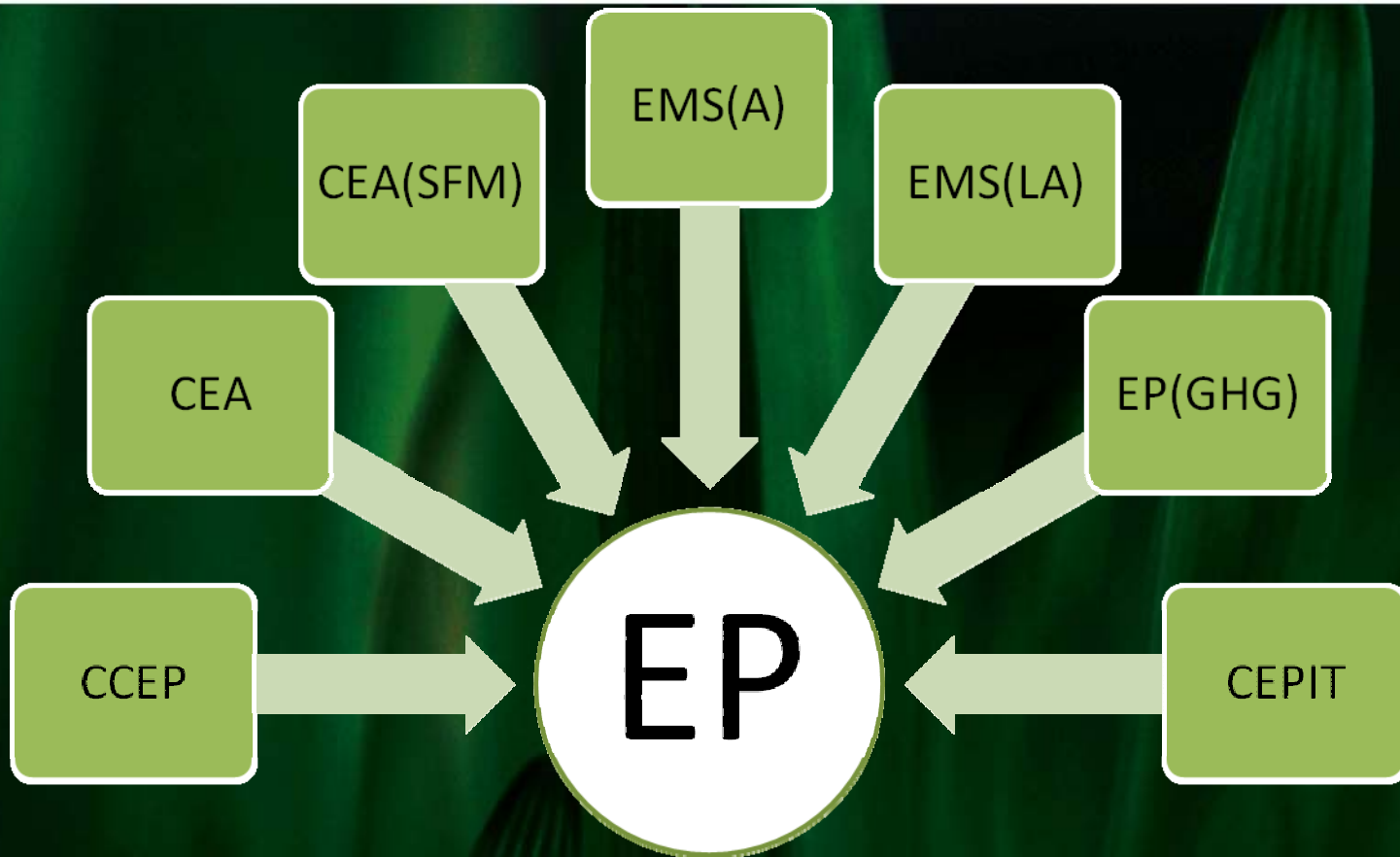
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- 1997 - Canadian Environmental Certification Approvals Board (CECAB) was established
- 2000 - Certified Canadian Environmental Practitioner (CCEP) designation with Certified Environmental Practitioner-in-Training (CEPIT) option launched.
- 2003 – MOU signed with ECO Canada to make ECO Canada the certifying body for Environmental Auditors
- 2010 – Titles changes to EP

Environmental Professional certification



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EP Designation STANDARDS



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- **Based on the National Occupational Standards for Environmental Employment**
 - Set of competency statements that outline the experience required by environmental professionals in Canada
 - Include Transferable, Core Knowledge and Technical Skill requirements
 - Developed by industry and environmental professionals and continuously maintained; this development and maintenance is overseen by ECO Canada

EP Designation REQUIREMENTS



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FULL Title - EP:

- Post-Secondary Education
 - Complete College Diploma OR
 - Complete University Degree
- 5+ years of experience in the area of specialization you seek to be certified in
- 3 Professional references who can validated your experience

EP Designation REQUIREMENTS



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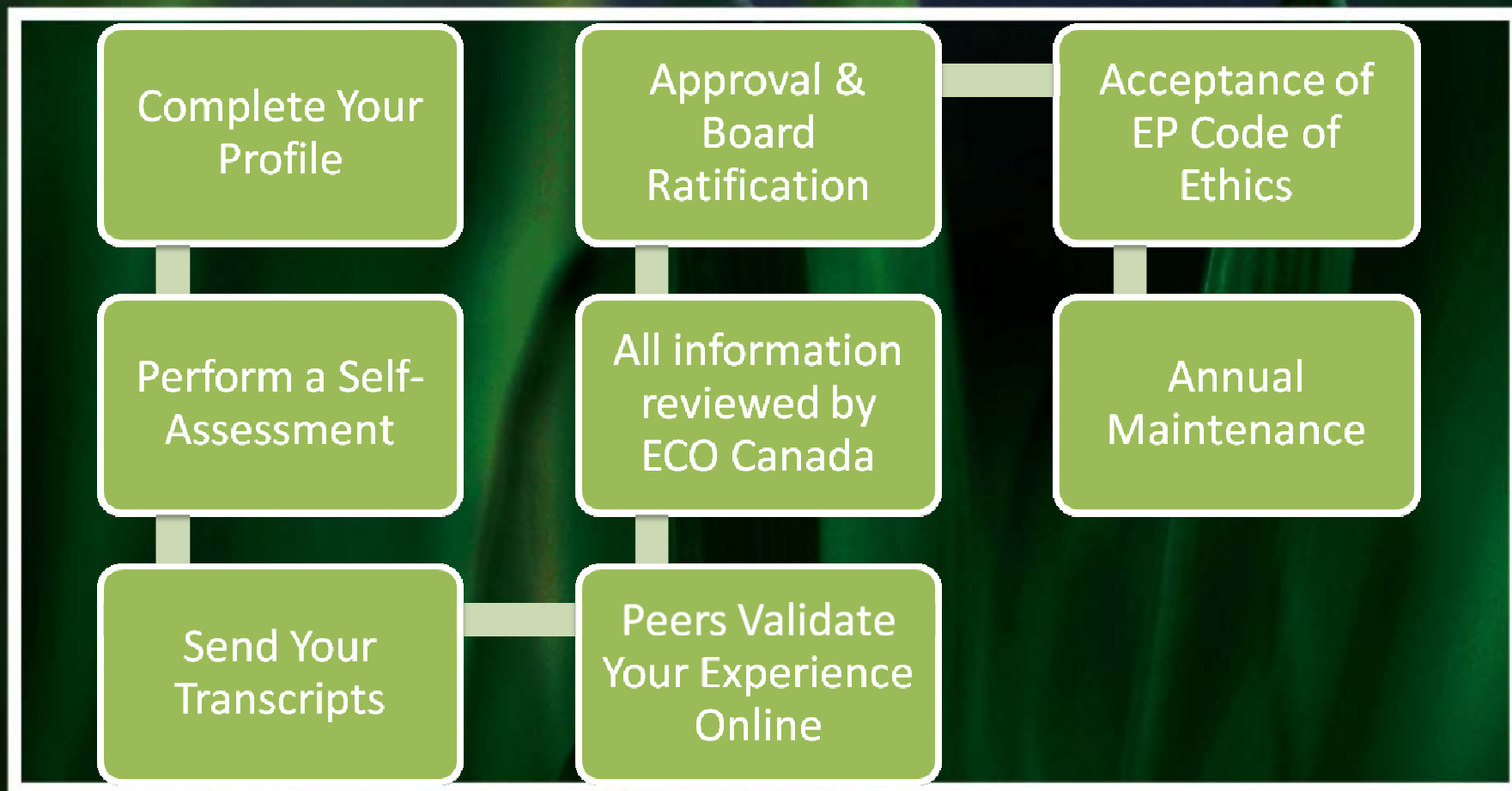
In-Training Title – EPt:

- Post-Secondary Education
 - Complete College Diploma OR
 - Complete University Degree

About EP Certification Application Process



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EP Certification



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MAINTAINING CERTIFICATION

- Annual update of Employment information
- Professional development credits (90 PDC/5 yrs)
- Adherence to the EP Code of Ethics
- Submission of annual dues

EP Certification ACCREDITATION



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- ECO Canada's certification branch is accredited to ISO 17024, the international standard for Personnel Certification Bodies by the Standards Council of Canada (SCC) for certain specializations.
- Means that ECO Canada certification conforms to international standards in the areas of quality management, prevention of conflict of interest, and best practices for certification program management.

EP Certification and Professional Reliance



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EP Certification and Professional Reliance



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“the practice of accepting and relying upon the **decisions and advice of professionals** who accept responsibility and can be held **accountable** for the decisions they make and the advice they give.”

Ensuring **Competence** and **Accountability**

EP Certification and Professional Reliance



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Competence – Important Points

- Recognition of the **multi-disciplinary nature of environmental work**; no one occupation or designation is uniquely qualified
- Importance of **documented, validated competencies** to truly understand an occupation/occupational area
- Recognition of both **technical and transferable (soft) competency requirements** especially in the realm of impact/environmental assessments

EP Certification and Professional Reliance



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Environmental Integrators

- Interdisciplinary thinking is becoming an increasingly relevant competency because of the growing recognition that sustainable development is a complex issue which requires socio-economic expertise alongside technical expertise
- Environmental employers are looking for “**Environmental Integrators**”
 - These are green workers who can effectively manage projects and people, work on a multidisciplinary team, and integrate information

EP Certification and Professional Reliance



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Accountability – Important Points

- Development of an independent, third-party organization made up of industry professionals to regulate the certification process (CECAB) and related committees (including ethics and disciplinary)
- ISO 17024 accreditation for multiple designations to ensure third-party validation of certification process
- Ongoing annual competency assurance process including work experience and professional development requirements

EP Certification and Professional Reliance



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In summary:

- Professional reliance models need to accurately reflect the multi-disciplinary nature of environmental work
- Competency requirements, both technical and transferable, need to be defined and documented
- EP is a complimentary professional designation
- ECO Canada would welcome the opportunity to assist in the creation of a robust competency profile for environmental assessment professionals

Benefits of Certification



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Benefits of Certification



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- Establishes your professional credibility
- Formally recognizes specific environmental expertise
- Verifies the skills and knowledge
- Enhances marketability and mobility
- Offers valuable discounts and prequalification on liability insurance
- Access to network of environmental professionals

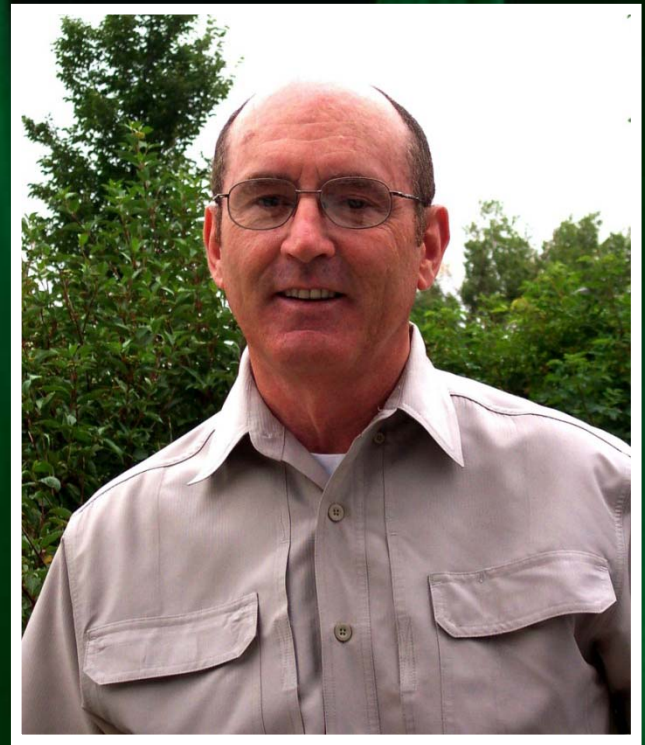
Benefits of Certification



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“I became an EP as I believe it is important for a professional to have some form of certification or registration to highlight capability and competence.”

Dr. David Reynolds, PhD, MBA, PGeo, EP
Director, Environmental and Regulatory Affairs
Clifton Associates Ltd.



Benefits of Certification



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Lauren Jones, EP(GHG)

“For professionals such as myself who possess a combination of skills well suited to this type of work, the EP certification affords us the professional recognition we previously did not have access to.”

Lauren Jones, B.Sc., M.B.T., EP(GHG)
Canada West Regional Discipline Lead for
Climate and GHG Services
Stantec

Benefits of Certification NATIONAL MARKETING



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“ My Environmental Professional certification allows me to be recognized as a qualified professional in my field of specialty. ”

Dorn Ray, Dip., C.E.T., EP
Area Manager at GENIVAR



Discover the EP Advantage
at eco.ca/EP

“ My Environmental Professional certification helps me gain the trust of my clients, an essential component in environmental consulting. ”

Shawn Martin, B.Sc., P.Biol., EP
Project Director
EBA, a Tetra Tech Company

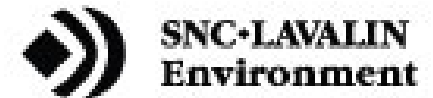


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Benefits of Certification Recognition by Employers



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Benefits of Certification

Member Discounts



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Benefits of Certification Networking



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- Networking event invitations and discounts
www.eco.ca/networking
- Regional chapter participation
www.eco.ca/chapters
- Mentorship program
 - 38 matches in 2011 between in-training and certified members

Future of EP Certification In Canada



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1. Continue strong membership growth
2. Increase awareness of the EP title amongst business leaders and general public
3. Addition of Meteorology specializations
4. Work towards universal recognition in regulation

Future of EP Certification Internationalization



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Partnerships in progress to make various specializations of the EP designation available internationally:

- EP – Agreement signed with Australia, New Zealand, Great Britain and Saudi Arabia
- EP(CEA) & EP(EMSLA) – Agreement in development with BEAC – United States
- EP(GHG) – Will be available since June 5, 2011

For more information:

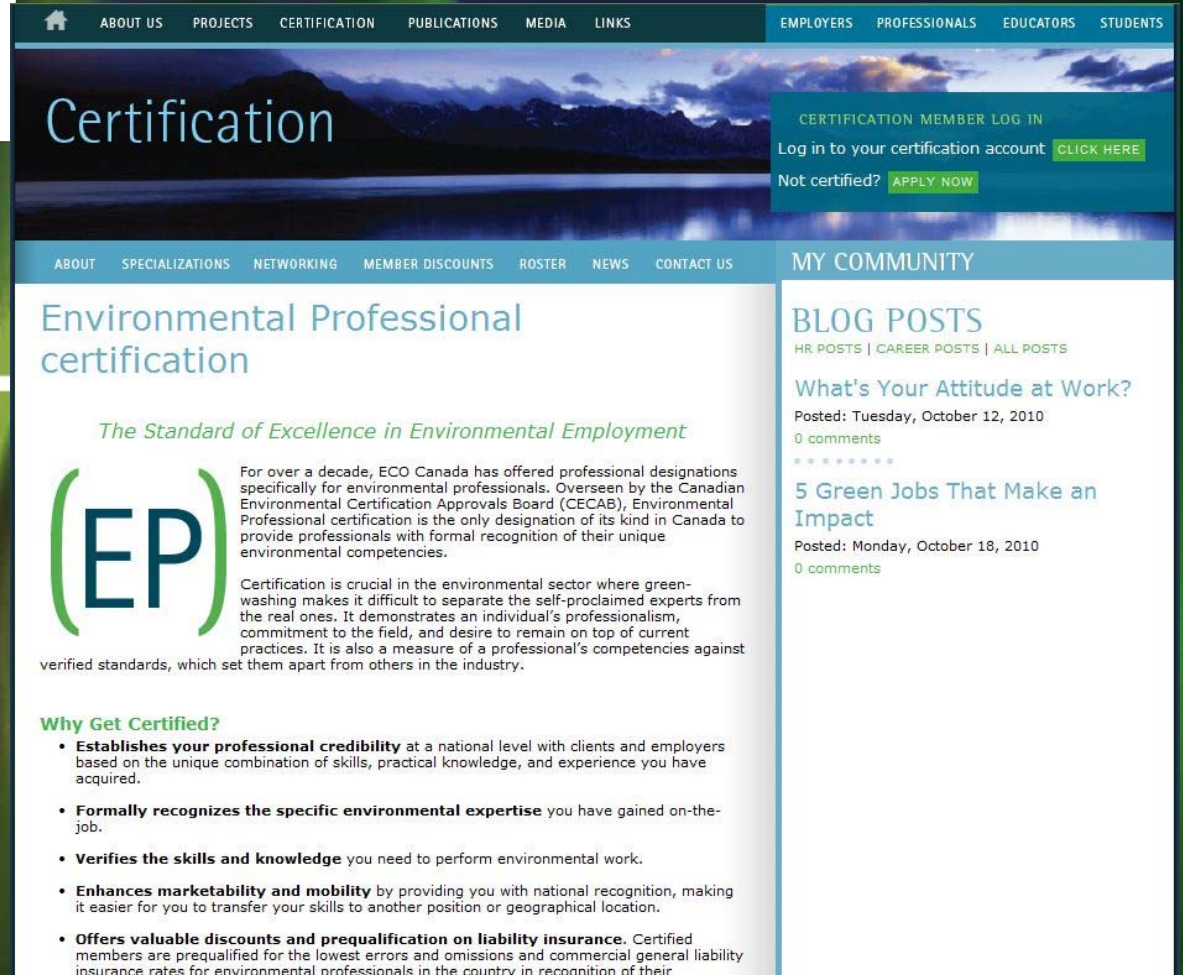
www.eco.ca/certification
certification@eco.ca

Networking

Professional Certification

Training and Development

Mentorship



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[HR POSTS](#) | [CAREER POSTS](#) | [ALL POSTS](#)

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Contact Us



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Environmental Careers Organization

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Questions?



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