



Note from the Registrar

We are pleased to announce the June launch of the **Professional Meteorologist (P.Met)** designation offered by **ECO Canada**, in partnership with

The Canadian Meteorological and Oceanographic Society (CMOS) and **Environment Canada**.

To celebrate this development, we profile **Susan Woodbury**, an industry veteran who played an important role in the creation of the founding meteorology National Occupational Standards (NOS) and P.Met certification. We also spoke with **Chris Scott, Forecast Operations Manager** with **The Weather Network/MétéoMédia** to find out where our erratic weather comes from, and to learn more about the meteorology profession.

If you have any questions regarding the new P.Met certification please email meteorology@eco.ca.

Sincerely,
Elizabeth Bowman
Associate Registrar, Certifications

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Industry Fast Facts

87% of environmental workers state that **"a desire to improve the environment"** is a key factor in their decision to make it their career. [More >>](#)

Make an impact - Participate in ECO Canada's [Mentorship Program](#)

ECO in the News

[Soft Skills Help Immigrants Adjust - Canadian Workplace Is Unique](#)
The Province

[Future Looks Bright For Those Seeking Green Careers](#)
Calgary Herald

[Canadian Students Show 'Huge Interest' In Green Programs](#)
Winnipeg Free Press

ECO Canada is proud to announce a new certification for:

Professional Meteorologists



The Standard of Excellence in Meteorology

P. Met officially launches at the 2011 CMOS Congress in Victoria, BC (June 5th - June 9th)

[Click here](#) for more information!

Please visit www.eco.ca/meteorology or send questions to meteorology@eco.ca.



Profile of the Month

Susan Woodbury, ACM, FCMOS





Susan Woodbury, ACM, FCMOS

For this month's profile we asked environmental professional Susan Woodbury a few questions about her career and the meteorology sector. A meteorologist with

over forty years of experience, Susan played a vital role in the development of the [National Occupational Standards \(NOS\) for meteorology](#) and [Professional Meteorologist \(P.Met\)](#) designation.

Originally from Halifax, she began meteorological studies at McGill University and later joined the Meteorological Officer training program with the Federal Government. Susan's career includes weather forecasting and many innovative projects, such as working for an engineering company to establish a weather forecasting office that provided site-specific forecasts to the offshore oil and gas industry. Since 2003, Susan has operated her own consulting company and works on a variety of projects related to meteorology.

As a consulting meteorologist and a staff member at Dalhousie University, what does your day-to-day involve?

Each week I tackle new challenges, juggling projects for a wide variety of clients. At Dalhousie I am the Network Manager for a Canada wide research network called [Global Ocean-Atmosphere Prediction and Predictability \(GOAPP\)](#). My recent projects have included the administration of a private sector referral service for the Canadian Meteorological and Oceanographic Society, writing articles about oceanographic buoys for an equipment manufacturer, and, from time to time, undertaking tasks on behalf of the Canadian Operational Network for Coupled Environmental Prediction Systems (CONCEPTS) at [Environment Canada](#).



Congratulations to **Kumaran Krishnamoorthy, EPT!** Kumaran is the winner of "The Say Hello to Volo Sweepstakes" and receives a \$500 hotel voucher to [Volo.ca!](#)

Promoting EP

 Learn about the actions taken in May 2011 to [increase the marketplace demand](#) for the EP designation.



Profile of the Month (Continued)

What are some of the most exciting developments in the meteorology sector right now?

More intense and frequent severe-weather events and national disasters have attracted interest in the science. This has led to more activity in private sector meteorology. The industry has matured with the consolidation of capacity. There are more demands from clients for the development of new forecast products and instrumentation to be delivered by the private sector.

What value will the P.Met certification offer professionals and why is it important?

The development of [National Occupational Standards](#), which serve as the foundation of the P. Met certification program, has provided the entire meteorological community (private sector, academia and government) with the opportunity to work together to analyze and define the qualifications of meteorologists. The [benefits of certification](#) are: reduction in professional risks of errors or omissions; recruitment of better trained meteorologists; aids to the search for new business opportunities; creation of better academic and technical training programs; performance evaluation; professional development; and availability of group insurance.

What advice would you give to someone thinking of pursuing a career as a meteorologist?

The meteorological community is very diverse. Aside from weather forecasting, it includes [specializations](#) in climatology, satellite, radar and broadcast meteorology, climate change, air quality, instrumentation, and atmosphere-ocean modelling to name some of its many dimensions.

My advice is to find the specialization that excites you, one that makes you passionate about your chosen career. Take a job in the private sector and contribute new ideas to generate new products. And, be sure to become an active member of and volunteer for the [Canadian Meteorological and Oceanographic Society](#).



Who's in Charge of the Weather? - Meteorology in Canada

All four seasons, rain, shine, and possible snow in July? It must be Canada! It's no secret that our weather has a reputation for spontaneous unpredictability, but with meteorology constantly improving the science behind forecasting, we can no longer "blame the weather person."

With the upcoming launch of the [Professional Meteorologist \(P.Met\)](#) on June 5, a certified designation offered by [ECO Canada](#), in partnership with [The Canadian Meteorological and Oceanographic Society \(CMOS\)](#) and [Environment Canada](#), we spoke with Chris Scott, Forecast Operations Manager with [The Weather Network/MétéoMédia](#) to find out where our erratic weather comes from, and what a typical day looks like for a meteorologist.

"Warmer air from the south is constantly at battle with cold air from the north, and southern Canada lies along the storm track that develops as a result of these contrasts in temperature. Throw in three oceans, large inland lakes, and mountains and you have a recipe for wild and changeable weather!"

In terms of a day in the life, Scott explains he wears three hats in his busy career - supervising a talented team that produces forecasts across Canada, contributing to the technical management of a meteorological system to improve the quality of forecasts, and providing meteorological support externally, such as answering relevant questions from the media.

"I am fortunate to work with a great team that believes in our core purpose to enhance the lives of Canadians through weather-related information." He adds, "People understand weather cannot be predicted exactly, but the science of meteorology gives us the ability to produce forecasts that allow people to plan their lives."

For those interested in pursuing a career in meteorology, Scott, who has a graduate degree in atmospheric science/meteorology, says, "In addition to the formal education requirements, a hunger to constantly learn, and strong communication skills are essential."

He explains, "The study of atmospheric science is rooted in math and physics. Those with a background in physical science and a passion for weather are well-positioned for success as a [meteorologist](#)."

Working with weather-related information does have its challenges though; Scott explains, "Weather generally isn't black and white. The challenge in years ahead will be to improve the communication of forecasts, especially the concept of uncertainty, while keeping the message simple enough to understand."

Regarding future predictions, Scott explains Canada's varied geography virtually guarantees we will continue to see wild and changeable weather. "The global climate is continuing to change, and Canada will feel the impacts; however, our national obsession with the daily variations in the atmosphere which we call weather will be part of our identity well into the future."

[The Weather Network/MétéoMédia](#) was a major contributor to the development of [National Occupational Standards \(NOS\) for Meteorology](#), and is an official supporter of the upcoming [P. Met certification](#), which will officially launch at the [2011 CMOS Congress](#) in Victoria, BC on June 5, 2011.



The [Professional Meteorologist \(P. Met\) Certification](#) is relevant for those involved in the field of meteorology at a specialized or conceptual level and who are engaged in, or managing, the research of atmospheric phenomena; the development and application of models, templates and algorithms for weather forecasting; the collection, analysis and diagnosis of meteorological data; the training of other meteorologists; or the provision of advice, forecasts, risk estimates, impact estimates, interpretation for the protection of life and property, the advancement of the economy, the protection of the environment, or the enhancement of the quality of life.

A Professional Meteorologist can be certified in the following areas of [specialization](#):

- Operational Meteorology
- Research Meteorology
- Applied Meteorology

Regional Chapter News - May 2011

The first Annual General Meeting of the [Manitoba Chapter](#) of Environmental Professionals was held on April 21, 2011. The founding charter was passed and plans to establish the executive team are well underway. The meeting minutes are available by clicking "[Manitoba](#)."

The [BC Chapter](#) has upcoming events planned for Kelowna and Vancouver. Click the link below to learn more and to RSVP.

ECO Canada looks forward to hosting the final event of the third round of EP Events on May 31, 2011 in [Halifax](#). In conjunction with ESANS' RemEast 2011 conference, we will hold our first event focused on Stakeholder Engagement. To register or learn more visit www.eco.ca/halifax.

Click on your province below for contact information and to learn about the most recent chapter activities.

[British Columbia](#) | [Alberta](#) | [Saskatchewan](#) | [Manitoba](#) | [Ontario](#)
| [Quebec](#) | [Atlantic](#)

Thank you to our Winnipeg 2011 Event Sponsors:



To review the discussion that took place at this event please visit www.eco.ca/Winnipeg.

Regulatory Updates

[New regulation helps enable carbon storage](#)

[Scope of Hydraulic Fracturing Review Available for Public Comment](#)

[Alberta: Reclamation certificate information available online](#)

[Environment Canada: Current Public Consultations](#)

Industry News

[UBC Lab Seeks Process to Convert Greenhouse Gas Emissions into Fuel](#)

[Another Milestone for Seymour-Cap Project](#)

[Vatican Science Panel Calls Attention to the Threat of Glacial Melt](#)

[Prince Edward Island leading the way with forest certification](#)

[Solar Plane Amid First International Flight](#)

[Smart Grid Technology Coming To Ontario](#)

Featured Events & Conferences

[ECO Canada Environmental Professional Event](#)

May 31, 2011 - Halifax, NS

[Water, Agriculture and the Environment Conference - Future Opportunities and Challenges](#)

May 31-June 1, 2011 - Lethbridge, AB

[ESANS RemEast](#)

June 1-2, 2011 - Halifax, NS

[Waterloo Global Energy Summit](#)

June 5-9, 2011 - Waterloo, ON

[Contaminated Hazardous Waste Site Management Course](#)

June 6-10 - Toronto, ON

ISES 2011: The Evolving Energy Ecosystem

June 9-11, 2011 - Vancouver, BC

The Annual Canadian Water Summit

June 14, 2011 - Toronto, ON

Green Infrastructure Conference

June 15-16, 2011 - Vancouver BC

Career Workshop for Young Environmental Professionals

June 17, 2011 - Calgary, AB

District Energy/CHP 2011: Essential Infrastructure for Energy Efficient Communities

June 26-29, 2011 - Toronto, ON

IASTED International Conference 2011: Environmental Management and Engineering

July 4-6, 2011 - Calgary, AB

AAC Annual Conference

August 30-31, 2011 - Fredericton, NB

*If you are interested in speaking on an environmental or other non-financial related topic at this event please contact certification@eco.ca.



[View all jobs](#) | [Post a job](#)

Here are some of the jobs posted this month:



Senior Environmental Assessment Scientist

Burnaby, BC
Deadline: May 29, 2011



Environmental Technologist

Calgary, AB
Deadline: June 5, 2011



Senior Project Manager, Occupational Health & Safety

Richmond, BC
Deadline: June 11, 2011

For full details on the above positions and many more, visit the [ECO Job Board](#).

Receive 50% off any job posting or job posting package before June 30 2011*. To qualify, email jobs@eco.ca and quote offer code **JobPROMO930** in the subject line.

**Purchases must be made before June 30 2011, and job postings must be fully used by September 30, 2011.*

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