

JOB & INDUSTRY NEWS



April 2011

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The University of Windsor
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June 15, 16 and 17, 2011

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Here are some of the jobs posted this month:



**Sr. 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

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.*



Editor's Note: Introducing Meteorology Certification

ECO Canada is
constantly moving
forward, and with the
success of the
**Environmental
Professional (EP)
Certification**, we have

decided to additionally develop the **Professional
Meteorologist (P.Met) Certification**.

In partnership with **The Canadian Meteorological
and Oceanographic Society (CMOS)** and
Environment Canada, **P.Met** will officially launch at
the **2011 CMOS Congress** in Victoria, BC - June 5
to 9, 2011.

Learn more about careers in meteorology in this
month's edition, and join us in Victoria!

For more information, please contact:
meteorology@eco.ca.

In This Issue

[EP Profile of the Month](#)

[Win a \\$5000 HR Package,
including an iPad2](#)

[Save on Compensation
Reports](#)

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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

[Future Looks Bright For
Green Careers](#)

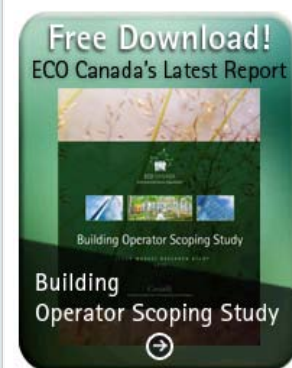
The Calgary Herald

[Soft Skills Help
Immigrants Adjust to
Unique Canadian
Workplace](#)

The Province

[Canadian Students Show
'Huge Interest' in Green
Careers](#)

Winnipeg Free Press



Also, interested in learning about energy efficiency for Canadian buildings? Check out ECO Canada's latest [labour market report](#), [Building Operators Scoping Study](#).

Enjoy the read!

Kevin Nilsen
Director, Professional Services



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](#), the JIN 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."

[Click here to read more >>](#)



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

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



EP Profile of the Month

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](#).

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 modeling 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](#).

Enter to Win a Customizable HR Package Worth \$5000

How the contest works:

You can personalize your prize by choosing from 1 of 3 exciting prize packages featuring an [iPad2 for you](#) and tailored HR tools for your company. You can increase your odds of winning by sharing the contest with fellow environmental professionals and HR Colleagues.

Visit www.myeco.ca to be entered into the draw.



Save on Your Company's Compensation Subscription

The first ever environmental [compensation centre](#) is designed to serve the HR needs of Canadian organizations that employ environmental staff.

Employers can gain immediate savings by inputting Salary, Bonus, and Benefits data into the online survey tool by entering information before September 1, 2011. As an employer, you can enter compensation information at no charge.

Benefits of understanding industry compensation strategies allow your company to:

- o make more informed decisions on job offers
- o understand how your overall compensation strategy compares to other similar sized companies
- o gain access to customized reporting on regional influences and sector differences
- o increase company awareness of non-traditional benefits in the market

[Click here](#) for more information. To receive a complimentary 2009 Compensation Report, or if you have inquiries, please contact hrservices@eco.ca.

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

[ECO Canada Environmental Professional Event](#)

May 31, 2011 - Halifax, NS

[Water, Agriculture and the Environment Conference](#)

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 9-12, 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 Environment 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

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