

# ESWNews

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

*An informal publication of the Earth Science Women's Network (ESWN)*



Dear ESWN Members (and friends) Welcome to our fifth ESWN newsletter – an update of the group's news, member accomplishments, and upcoming events. As always, ESWN can only succeed with your engagement, and we appreciate all of you who contributed material and ideas for this newsletter, helped organize events in 2010, invited new members, and posted to our discussion boards. Wishing you a very happy and productive 2011! Best Regards, *the ESWN Leadership Board*

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## You're Invited!

Join us for ESWN Events at the Fall 2010 AGU Meeting

<http://events.ESWNonline.org>

### Monday, 13 Dec 2010, 6-8:30PM

#### The 6<sup>th</sup> Annual ESWN AGU Reception

Jillian's at the Metreon (101 4<sup>th</sup> St., Suite 170)

Please join us for appetizers, cocktails, and great conversation at the 6th Annual ESWN Reception. We'll see you Monday at 6:00 in the billiard's room at Jillian's, a restaurant/bar in the Metreon, 101 Fourth Street, directly across from the Moscone West Conference Center and the Marriott. *New this year:* our own semi-private space (better for networking!) and a few neat strategies to make it easy for you to meet new friends and colleagues. Feel free to bring along other women who you think would like to join ESWN. Many thanks to the National Center for Atmospheric Research (NCAR) for its continued support of this great event.

### Monday, 13 Dec 2010

#### ESWN Posters

Moscone South Afternoon Poster Session

Two ESWN-related posters will be presented at AGU in the afternoon session Monday: ED13A-0599 "Networking Skills as a Career Development Practice" and ED13A-0600 "Evaluating Career Development Resources." Stop by to say "hello"!

### Wednesday, 15 Dec 2010,

#### ESWN Workshops

Moscone South 228-230

ESWN will host two workshops this year, co-sponsored by the AGU Education and Career Services. Visit <http://events.eswnonline.org> for more information and detailed agendas.

## (CONT.) Wednesday, 15 Dec 2010, ESWN Workshops

1. **"Navigating the NSF System"** 10:00-12:00  
Moderator(s): Meredith Hastings (ESWN/Brown), Rose Kontak (ESWN) and Richelle M. Allen-King (NSF). Co-sponsored by NSF, this workshop is geared towards all Early Career Faculty, Post Docs, and PhD students at AGU and will feature program officers answering questions about NSF. We held similar workshops at the 2009 NSF, which were highly attended and very successful.

No advance registration is required, and all are welcome (women and men; ESWN and friends)

2. **"Tips for Publishing"** 16:00-18:00  
Moderator: Rose Kontak (ESWN). This workshop targets Graduate Students and Early Post-Docs and will be a panel discussion of geoscientists with experience publishing, reviewing and editing journals such as Nature Geoscience, JGR, and ERL.

## ESWN NSF grant: 2010 review



In September 2009, five of the ESWN Leadership Board members were awarded a National Science Foundation ADVANCE program PAID grant (Partnership in Adaptation, Implementation and Dissemination). Over the past year, the grant has allowed us to launch new ESWN initiatives, and strengthen our existing activities:

- In January we hired a great new ESWN coordinator, Rose Kontak: ESWN's first-ever employee! Welcome, Rose!
- A new web-center is right around the corner! Expected in early 2011, Rose is managing the development of a suite of online ESWN resources. These will allow ESWN members to work together online, search our database and browse discussion archives. The collaborative environment, designed by Brown University Computer Information Services and Penn State, is custom-made for ESWN using advanced web development platforms.

- Planning for a 2011 ESWN career-development workshop, to take place in Boulder, CO at NCAR June 06-08, 2011. Look for updates and details as the date gets closer!

- ESWN Leadership Board Meeting in July, 2010 in Madison, WI, focused on building diversity across demographics and disciplines. More information below.

We're also identifying new ways to grow and improve – your ideas and participation are welcome! To get more involved or share an idea, email Rose: [Rose\\_Kontak@brown.edu](mailto:Rose_Kontak@brown.edu)

## Leadership Board Meeting 2010 in Madison, WI

Rose Kontak, ESWN Coordinator

This past July 29-30, the ESWN Leadership Board, ESWN coordinator Rose Kontak, and NSF evaluator Sandra Laursen met in Madison, Wisconsin to discuss ESWN as well as visiting experts on issues we discussed.

We started with general updates of the membership, the web center, and the recent

## (CONT.) Board Meeting

survey by evaluators Sandra Laursen and Marina Kogen. The board then focused on planning the Summer 2011 Career Development Workshop and mapping out future workshops. The 2011 Workshop will be hosted by board member Christine Wiedinmyer at NCAR in Boulder, CO June 6-8. Career development skills to be addressed at the workshop include what to expect and how to prepare as a Post-doc or PhD going forward, and how to establish your research identity. We continued evening discussions on increasing participation of geologists and geophysicists over dinner with UW-Madison Prof. Jean Bahr, former President of the GSA.

On Friday we focused on race and ethnicity, with presentations by Ashanti Johnson, Director of the Institute for Broadening Participation, and Kerry Ann Rockquemore, of New Faculty Success. A major theme of the discussions involved the isolation felt by many women of under-represented minority groups, especially early in their academic careers. As ESWN grows, we'd like to offer community and support to combat this isolation – often felt by women of any race – with an awareness of the varying needs of

different groups. ESWN will continue to seek advice on diversity issues to further our goals of increasing representation of all women in the Earth Sciences.



L to R: ESWN coordinator Rose Kontak; Board members Christine Wiedinmyer, Manda Adams, Tracey Holloway, Erika Marin-Spiotta, Meredith Hastings, Allison Steiner, and Amanda Staudt; and Evaluator Sandra Laursen, University of Colorado-Boulder met in Madison, WI while ESWN board member Agatha DeBoer was able to Skype in from Sweden.

We also discussed opening new seats on the ESWN Leadership Board, and engaging all members in active participation. Stay tuned for leadership opportunities in ESWN!

## ESWN Revealed!

Sandra Laursen and Marina Kogan (NSF Grant Evaluators, University of Colorado)

Who are ESWN members? How do they use the Network and what do they gain from it? What else do they need to develop fully as geoscience professionals? In summer 2010, nearly 500 ESWN members completed an online survey that is helping the Network answer these questions as part of the evaluation and research effort connected to ESWN's NSF ADVANCE grant. Data analysis is

still underway, but here are some snapshots of ESWN's membership:

**Education:** 59% of members have a doctoral degree and 31% have a masters.

**Career stage:** 31% are graduate students, 19% postdocs. Others work in higher education (25%) and in other kinds of research positions (17%). Most members (85%) are 40 years old or less; 34% are 30 or under.

**Job situation:** Members work in universities, government labs and agencies, industry,

business, and non-profits, and do consulting and freelance work.

**ESWN worldwide:** 78% are US citizens, 6% US permanent residents, and 18% citizens of at least 20 other countries.

**Personal life:** 77% are married or partnered; 24% have preschool children and 12% have school-age children. Most members are heterosexual; 4% are gay, lesbian, or bisexual.

**Ethnicity:** 89% are white, 5% Asian or Pacific Islander, 1% black or African-American, 2% Hispanic, and 3% describe multiracial backgrounds.

**Participation:** Most members (75%) say they read the ESWN list e-mail messages often but post to the list rarely or never (83%), though many (27%) report they reply personally to posts, off the list. Members seem to value what they find on the list: Almost all have read articles or news items shared on the list, half have shared a non-private item with someone else, and nearly a third have applied for grants, workshops or fellowships advertised on the list. 37% have participated in an ESWN reception at a meeting, and 29% in informal get-togethers or meals.

**Benefits:** Members report many benefits from participating in the network:

- recognition that I am not alone – 68% reporting “good” or “great” gain in this area
- new understanding of obstacles faced by women in science - 61%
- knowledge of resources to support my career – 40%
- emotional support in facing challenges – 39%
- new resources to help me navigate obstacles – 39%
- new knowledge of benefit to my career – 34%

#### **Professional development needs:**

Members’ needs for professional growth understandably vary depending on their career stage. Graduate students more often report needs to develop deeper knowledge of their field, strengthen their skills in scientific writing and in presenting and defending their work, and to design and carry out independent work. Grad students and post-docs also want opportunities to craft an effective job application and explore career options in their field. Faculty, on the other hand, report higher needs for skills in teaching, leadership, and managing time, people, and budgets, and resolving disputes. Pinpointing these diverse needs will help ESWN deploy its resources to address the wide-ranging needs of all its members.

## European activities

Agatha de Boer, UEA

Over the course of 2010, ESWN’s committee for affairs in Europe, Middle-East, Russia and Africa (EMRA) has held two successful meetings in Europe. The first was a town hall meeting and reception at the European Geophysical Union (EGU) held in April in Vienna, and the second was a networking-

focused event over lunch at the European Meteorological Society (EMS) meeting held in September in Zurich.

The EGU Town Hall meeting was called "What can EGU do for Women in Geoscience" and was attended by about 50 women and 5 men. The EGU president, Tuija Pulkkinen (a woman) introduced the session briefly. The first speaker was Linda

Gundersen, a chief scientist at the US Geological Survey. She talked about her career and gave statistics on the percentage of women in the USGS. While the broader management structure is still very male dominated, it was very encouraging to find out that the top executive team is 48% female!

The second speaker was Bettina Schaepli who shared about TANDEMplusIDEA - an international mentoring and personal development scheme for female scientists. The EGU Program officer then had a turn and shared interesting news: 44% of EGU attendees are female while there are only 33% female speakers. After the Town Hall meeting there was a reception sponsored by EGU that gave attendees the opportunity to network with each other and the leadership of EGU. To round off the day about 13 ESWN members went to have dinner at a lovely Vienesse pancake restaurant.



(a) ESWN dinner at the 2010 EGU in Vienna

In September we held another ESWN event at the annual EMS conference and this time the agenda was specifically focused on networking opportunities. About 40 women attended this lunchtime meeting. After a foreword from Heike Hübener, who

convened the gender session at the earlier EMS meetings, Elke Hodson, who is on the EMRA committee, introduced ESWN. This was followed by a group discussion about networks. The participants expressed a strong interest in women's networks, but none had heard of ESWN and very few knew of other women's networks.



(b) Elke Hodson introducing ESWN at the 2010 EMS meeting in Zurich. (Photo: Kathrin Riemann-Campe)

Many thanks to Martina Junge, the EMS Executive Secretary, for taking charge of the logistics of the meeting and an even bigger thank you to Elke who represented ESWN in a smashingly successful event!



(c) Discussing women's networks while enjoying food and wine at the EMS meeting in Zurich (Photo: Kathrin Riemann-Campe)

## ASCENT Workshop Report, Year2

Gannet Hallar, Storm Peak Laboratory



ASCENT focuses on women in atmospheric science and meteorology and is designed to initiate positive professional relationships among female faculty of different ranks and postdoctoral researchers. To date, the program consists of two annual three-day summer workshops. ASCENT also hosted two reunion events. The first event was at the AGU meeting in December 2009 and the second event was at the AAAR meeting in October 2010. By fostering relationships among women faculty and researchers, ASCENT intends to develop research opportunities for participants. ASCENT was oversubscribed again this year, and we were unable to accept all of the very qualified applicants. A total of 19 junior scientists, 8 senior scientists, and 5 graduate students participated. These women were from 24 different universities and research facilities, representing 14 states and 6 countries. For more information or to apply visit: [www.ascent.dri.edu](http://www.ascent.dri.edu)



ESWN dinner at Goldschmidt  
back: Zsuzsanna Balogh-Brunstad, Amanda Olsen, Denise Levitan, Libby Hausrath, Jill Marshall  
front: Natalia Irma Deligne, Megan Andrews, Alicia Newton, Erika Marin-Spiotta

## 2009-10 Member Get-togethers

- Goldschmidt: Knoxville, TN, June 2010: Dinner organized by Megan Andrews
- ESA (Ecological Society of America), Pittsburgh, PA, August 2010: Dinner organized by Stephanie Eby
- Seattle Happy-Hours: Ongoing, organized by Jessica Winter
- AGU of the Americas meeting, Brazil, August 2010: Dinner organized by Erika Marin-Spiotta
- IGAC conference this week in Halifax, Nova Scotia, Canada

CW from bottom left:  
Barbara Ervens; Erika von Schneidemesser; Barbara Turpin; Sybil Seitzinger; Rebecca Michelsen; Cynthia Randles; Allison Schwier; Neha Sareen



## 2010 ESWN Listserv Highlights

Allison Steiner, University of Michigan

In case you don't have time to read the email topics or had a busy year, here is my quick summary of the listserv topics that generated a lot of discussion in 2010. All threads are still available in the archive if you are interested in reading more.

**January 2010: Dust bunnies unite! Women scientists and housework:** This discussion started off with a link to a Chronicle of Higher Ed article about how women and men share housework responsibilities. There are some interesting suggestions in this thread (do what you like, farm out what you don't; hire a student to cook) and also some thoughts on

various family-friendly policies at different institutions.

**February 2010: Do I change my name?** Ah, an ESWN classic topic! This has come up a number of times since the existence of ESWN. Check out this thread if you are getting married soon and don't know what to do when you say "I do"!

**February 2010: Talking to kids about science** A post about how to talk to school-age children about science prompted many suggestions, links and resources.

**March 2010: Writing recommendation letters:** Questions about how to write a nomination letter for a faculty award led to several interesting responses with many useful tips for writing letters. These are important to keep in mind when thinking about gender bias in letters (see link to a research summary in the November archive).

**May 2010: Departmental obligations and "regular working hours"** A post by a member about departmental obligations outside of working hours prompted a number of interesting posts about how to handle work/life balance. Read the thread to see which side of the fence you side on!

**July 2010: Field work travel with small children:** One

ESWN member about to head off to see asks for parenting tips and advice



on how to explain and maintain relationships with small children.

**September 2010: Early vs. mid-career** One of the ESWN survey respondents was thinking about the "early career" focus of ESWN and asked how the group could offer support at all career stages. This is something that we have been thinking about lately and hope to develop with more time. This thread is probably worth a read for everyone regardless of career stage, because believe it or not, you will be mid-career or late-career someday!

**October 2010: Explaining CV gaps** This discussion started out with a question about whether or not to call attention to a maternity leave. However, it was also applicable to other members that had taken medical leave or had just done something "different" for a little while.

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## News from the Group

**Victoria Lee** started a postdoc in Earth Sciences at Oxford University (UK), funded by an NSF International Research Fellowship, after completing her Ph.D. at UC Berkeley.

**Stephanie Shaw** is thrilled to announce the birth of her second daughter, Neve Chakraborty, born June 24, 2010.

Professionally, she's excited to be collaborating with another ESWN member, Emily Elliott, on measuring the stable nitrogen isotopic composition of NO<sub>x</sub> emissions from coal-fired power plants.

**Meg Mobley** has married her best friend and a fellow Ecology grad student—hello, two-body problem! In other news, she is one year closer to graduating, but not there yet! And

she learned how to run (almost) barefoot in FiveFingers shoes!

**Yi-wen Huang** completed her Ph.D. from Harvard in May 2010 and had a second son in July 2010. She is staying in the Anderson group and looking for a postdoc elsewhere. She is busy with work, her postdoc-hunt, a preschooler and an infant. What fun!

**Emily Elliott** spent this year battling breast cancer, and is happy to note that her prognosis is excellent. She wants to thank Meredith Hastings for her support along the way. Not to let that slow her down, 2010 was also the year for the inaugural launch of the University of Pittsburgh Mobile Air Quality Research Laboratory outfitted with instrumentation for real time air quality (and isotopic!) measurements. Her first graduate student completed her degree and she hired a stable isotope technician. Here's to great things in 2011!

**Elisabeth Nadin** moved to Fairbanks, AK, to start a position as Assistant Professor in geology.

**Maureen Long** is enjoying life as a 2nd year assistant professor in the Geology and Geophysics department at Yale. She spent part of the summer doing fieldwork in Virginia and West Virginia, and has a new field project getting underway in Peru. She and her husband Tony Fiorini are eagerly awaiting the birth of their first child, due in December.

**Meredith Hastings** is settling into being an Assistant Professor at Brown University in Providence, RI. Of particular note in this last year is the hiring of Rose Kontak, the ESWN Coordinator, who is based at Brown Univ and

is helping us make lots of progress in all things ESWN!

**Roberta Hamme** and Jody Klymak welcome Cordelia Ann Klymak born August 16, 2010 Listen to her talk about work on the Quirks & Quarks interview:

<http://www.cbc.ca/quirks/episode/2010/10/16/october-16-2010/>

**Casey Letkewicz** completed her Master of Science degree in August 2009, publishing her first peer-reviewed article in August 2010, based on her master's work. In 2009 and 2010, she participated in the Verification of the Origins of Rotation in Tornadoes Experiment 2 (VORTEX2), gathering data on tornadic storms, and will be analyzing some of the data for her Ph.D. work.

**Erika L. Roesler** welcomed her first baby, Everett, to this beautiful world on September 22, 2010.

**Stephanie Eby** received her Ph.D. in Biology from Syracuse University in May of this year. Her dissertation was titled: "Fire and the reasons for its influence on mammalian herbivore distributions in an African savanna ecosystem." She is currently a Postdoctoral Research Associate at Princeton University.

**Laura Edwards** gave birth to twin boys on February 9th. Levi Kelsey was 6 lb 9 oz and 19.5 inches long. Cody Thomas was 8 lb and 20 inches long. They are great brothers and love to laugh and play. These are her first children.

**LaToya Myles** was recently selected as an honoree of The Root 100, an exclusive list that honors one hundred individuals, aged 25-45, who represent the new generation of emerging and established leaders in the



African-American community. She and her husband, Gerald, welcomed a new addition to their family. Their daughter, Chelsea Lynea, was born April 14. Big brother Craig also welcomed his little sister.

**Y. Fang** received her PhD degree from the program in Atmospheric and Oceanic Sciences Program at Princeton University and will work as a postdoc at Princeton Woodrow Wilson School.

**Corinna Hoose** has started a "Helmholtz-University Young Investigators Group" (roughly equivalent to a tenure track assistant professor position) at the Karlsruhe Institute of Technology, Germany, in April 2010.

**Becky Alexander** (Assistant Professor, University of Washington Department of Atmospheric Sciences) had a baby boy, Wade E. Suess, born on January 13, 2010, joining daughter Dayna.

**Christine Wiedinmyer** continues to enjoy her position as a research scientist at the National Center for Atmospheric Research in Boulder. She most recently developed a global fire emissions model for chemical and climate modelers, and just started an EPA grant to model biological particles from agricultural activities. Her two kids (ages 4 and 7) continue to make her smile, and she even manages to get out and play every once in a while.

**Agatha de Boer** and other EMRA committee members Amelie Kirchgaessner, Parv Suntharalingam, Elke Hodson, and Sam Burgess. are pleased to welcome three new members on board. They are Jaana Bäck (Finland), Mirjam Glessmer (Germany) and Delphine Dyrang (UK). If you would like to be involved in EMRA or have a suggestion for another event, please contact Agatha de Boer at [a.deboer@uea.ac.uk](mailto:a.deboer@uea.ac.uk).



## Publications by Members

Lee, V.E.\*, D.J. DePaolo, J.N. Christensen. (2010) Uranium-series comminution ages of continental sediments: Case study of a Pleistocene alluvial fan. *Earth Planet. Sci. Lett.* 296 (3-4), 244-254

VanLoocke, A., C. J. Bernacchi, and Tracy Twine\*. (2010) The impacts of *Miscanthus x. giganteus* production on the Midwest U.S.

hydrologic cycle, *Glob. Change. Bio. Bioenergy*, 2, 180-191. doi: 10.1111/j.1757-1707.2010.01053.

Shaw, S.L.\*, B. Gantt, N. Meskhidze (2010) Marine Isoprene and Monoterpene Production and Emissions: A Review. *Advances in Meteorology, Special Issue: Marine Aerosol-Cloud-Climate Interactions. Volume 2010*, doi:10.1155/2010/408696.

Lindjhem, C.E., A.K. Pollack, A. DenBleyker, and S. Shaw\* (in press) Improvements to the spatial and temporal modeling of on-road vehicle emissions. *J. Air Waste Manage. Assoc.*

Bäck J.\*, Aaltonen H., Hellén H., Kajos M., Patokoski J., Taipale R., Pumpanen J. & Heinonsalo J. (2010) Variable emissions of microbial volatile organic compounds (MVOCs) from root-associated fungi isolated from Scots pine. - *Atmospheric Environment* 44: 3651-3659.

Richter, Daniel deB and Megan L Mobley\* (2010) Monitoring Earth's Critical Zone, *Science*, 326:1067 - 1068, DOI: 10.1126/science.1179117

Shrestha G.\*, Traina S.J., Swanston C.W., 2010, Black Carbon's Properties and Role in the Environment: A Comprehensive Review, *Sustainability*. 2010; 2(1):294-320.



Huang, Yi-wen\*, Timothy J. Dransfield, and James G. Anderson. (2010) Experimental Evidence for the Pressure Dependence of the Reaction Rate Constant between

Acetic Acid and Hydroxyl Radicals, *J. Phys. Chem. A*, 114(43), 10.1021/jp106446q.

Wiedinmyer, C.\*, and M. D. Hurteau (2010), Prescribed Fire As a Means of Reducing Forest Carbon Emissions in the Western United States, *Environmental Science & Technology*, 44(6), 1926-1932.

Jiang\*, X., Z.-L. Yang, H. Liao, C. Wiedinmyer\*. (2010) Sensitivity of Biogenic Secondary Organic Aerosols to Future Climate Change at Regional Scales: An Online Coupled Simulation. *Atmospheric Environment*, 44, 4891-4907, doi:10.1016/j.atmosenv.2010.08.032.

Nadin, E.S., and Saleeby, J.B. (2010) Quaternary reactivation of the Kern Canyon fault system, southern Sierra Nevada, California, *GSA Bulletin*, v. 122, n. 9-10, doi:10.1130/B30009.1

Barnes, R.T.\* and P.A. Raymond. 2010. Land use controls on the delivery, processing, and removal of nitrogen from small watersheds: Insights from the dual isotopic composition of stream nitrate. *Ecological Applications*, 20 (7): 1961-1978.

Marlon, J.R., Patenaude, G., Barnes, R.T.\* 2010. Catalyzing Interdisciplinary Research on Climate Change. *EOS*, 91 (34): 299.

Long, Maureen D.\*, and Thorsten W. Becker (2010), Mantle dynamics and seismic anisotropy, *Earth Planet. Sci. Lett.*, 297, 341-354.

Long, Maureen D.\*, Margaret H. Benoit, Martin C. Chapman, and Scott D. King (2010), Upper mantle anisotropy and transition zone thickness beneath southeastern North America and implications for mantle dynamics, *Geochem. Geophys. Geosyst.*, 11, Q10012, doi:10.1029/2010GC003247.

Pratt, Kerri\* and Kimberly Prather. (2010) Aircraft measurements of vertical profiles of aerosol mixing states, *J. Geophys. Res.*, 115, D11305, doi:10.1029/2009JD013150. Mielke, Levi, Kerri Pratt\*, Paul Shepson, Scott McLuckey, Armin Wisthaler and Armin

Hansel. (2010) Quantitative determination of biogenic volatile organic compounds in the atmosphere using proton-transfer reaction linear ion trap mass spectrometry, *Analytical Chem.*, 82, 19, doi:10.1021/ac1014244.

Faubert P., Tiiva P., Rinnan Å., Michelsen A., Holopainen J.K., Rinnan R.\* (2010) Doubled volatile organic compound emissions from subarctic tundra under simulated climate warming. *New Phytol*, 187, 199-208, doi:10.1111/j.1469-8137.2010.03270.x

Faubert P., Tiiva P., Rinnan Å., Holopainen J.K., Holopainen T., Kyrö E., Rinnan R.\* (2010) Non-methane biogenic volatile organic compound emissions from a subarctic peatland under enhanced UV-B radiation. *Ecosystems*, 13, 860-873, doi:10.1007/s10021-010-9362-1

Hamme\*, Roberta C., Peter W. Webley, William R. Crawford, Frank A. Whitney, Michael D. DeGrandpre, Steven R. Emerson, Charles C. Eriksen, Karina E. Giesbrecht, Jim F. R. Gower, Maria T. Kavanaugh\*, M. Angelica Peña, Christopher L. Sabine, Sonia D. Batten, Laurence A. Coogan, Damian S. Grundle, Deirdre Lockwood (2010) Volcanic ash fuels anomalous plankton bloom in subarctic northeast Pacific, *Geophys. Res. Lett.*, 37, L19604, doi:10.1029/2010GL044629.

Hastings, M.G. (2010), Evaluating source, chemistry and climate change based upon the isotopic composition of nitrate in ice cores, *Earth and Env. Sci.*, 9, 012002, doi:10.1088/1755-1315/9/1/012002.

Manning\*, Cara, Roberta C. Hamme\*, and Annie Bourbonnais\* (2010) Impact of deep-water renewal events on fixed nitrogen loss from seasonally-anoxic Saanich Inlet, *Mar. Chem.*, doi:10.1016/j.marchem.2010.08.002.



Letkewicz, Casey\*, Matthew Parker (2010) Forecasting the Maintenance of Mesoscale Convective Systems Crossing the Appalachian Mountains, *Wea. Forecasting*, 25, p. 1179-1195, doi:2010WAF2222379.1

Myles, LaToya\*, John Kochendorfer, Mark W. Heuer, and T.P. Meyers. (2010) Measurement of trace gas fluxes over an unfertilized agricultural field using the flux-gradient technique. *J. Environ. Qual.* doi: 10.2134/jeq2009.0386.

Beghein, Caroline (2010) "Radial anisotropy and prior petrological constraints: a comparative study", *J. Geophys. Res.*, 115, B03303, doi:10.1029/2008JB005842

Beghein, Caroline, J. Arthur Snoke, and Matthew J. Fouch (2010) "Depth Constraints on Azimuthal Anisotropy in the Great Basin from Rayleigh Wave Phase Velocity Maps", *Earth Planet. Sci. Lett.*, 289, 467-478, doi:10.1016/j.epsl.2009.11.036

Fang, Y.\*, A. M. Fiore\*, L. W. Horowitz, H. Levy, Y. Hu, and A. G. Russell (2010), Sensitivity of the NO<sub>y</sub> budget over the United States to anthropogenic and lightning NO<sub>x</sub> in summer, *J. Geophys. Res.*, 115, D18312, doi:10.1029/2010JD014079

Fang, Y.\*, A. M. Fiore\*, L. W. Horowitz, A. Gnanadesikan, H. Levy, Y. Hu, and A. G. Russell (2009), Estimating the contribution of

strong daily export events to total pollutant export from the United States in summer, *J. Geophys. Res.*, 114, D23302, doi:10.1029/2008JD010946

Hallar, Anna Gannet., I.B. McCubbin, B. Hallar, R. Levine, W. Stockwell, J. Lopez, J. Wright, 2010: Science in the Mountains: A Unique Research Experience to Enhance Diversity in the Geosciences. *J. GeoScience Education*, v. 58, n. 2, March, 2010, p. 213-220.

Hartten, Leslie M. \*, Margaret A. LeMone (2010) The Evolution and Current State of the Atmospheric Sciences "Pipeline". *Bull. Amer. Meteor. Soc.*, 91, 942-956 doi: 10.1175/2010BAMS2537.1

LaDue, Daphne S.\*, Pamela L. Heinselman, and Jennifer F. Newman (2010) Strengths and Limitations of Current Radar Systems for Two Key Stakeholder Groups in the Southern Plains, *Bull. Amer. Met. Soc.*, 91(7), 899-910, doi:10.1175/2009BAMS2830.1

Hoose, Corinna, J. E. Kristjánsson and S. M. Burrows (2010): How important is biological ice nucleation in clouds on a global scale? *Environmental Research Letters*, 5, 024009, doi:10.1088/1748-9326/5/2/024009

Sinclair\*, V. A., S. L. Gray, and S. E. Belcher (2010), Controls on boundary layer

ventilation: Boundary layer processes and large-scale dynamics, *J. Geophys. Res.*, 115, D11107, doi:10.1029/2009JD012169.

Sinclair\*, V. A., S. E. Belcher, and S. L. Gray (2010), Synoptic Controls on Boundary-Layer Characteristics, *Boundary-Layer Meteorol.*, 134, doi:10.1007/s10546-009-9455-6

Sofen, E.D., B. Alexander\*, and S.A. Kunasek\* (2010), The sensitivity of the oxygen isotopes of ice core sulfate to changing oxidant concentrations since the preindustrial, *Atmos. Chem. Phys. Discuss.* 10, 20607-20623.

Kunasek, S.A.\*, B. Alexander,\* E.J. Steig, E.D. Sofen, T.L. Jackson, M.H. Thiemens, J.R. McConnel, D.J. Gleason, H.M. Amos\* (2010), Sulfate sources and oxidation chemistry over the past ~230 years from sulfur and oxygen isotopes of sulfate in a West Antarctic ice core, *J. Geophys. Res.*, 115, D18313, doi:10.1029/2010JD013846.

Steiner, A.L.\*, A.J. Davis, S. Sillman, R.C. Owen, A.M. Michalak, and A.M. Fiore\*, Observed suppression of ozone formation at extremely high temperatures due to chemical and biophysical feedbacks, *Proceedings of the National Academy of Sciences USA*, accepted September 2010.



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## ESWN Resources

Here is a summary of ways to connect with ESWN. We are hoping to integrate and streamline these resources over the next few years with the funding of the ESWN ADVANCE grant. Please keep your comments coming, and stay posted for more changes to come!

**The ESWN website:** [www.ESWNOnline.org](http://www.ESWNOnline.org)

### **ESWN mailman listserv:**

This email list is to communicate information between members, including member introductions, upcoming conferences and ESWN get-togethers, and other topics of interest to the group at large. To email this list, please send mail to: [eswn@web2.acd.ucar.edu](mailto:eswn@web2.acd.ucar.edu). You can change your list settings (including switching digest format off or on!) by logging on at: <http://mailman.acd.ucar.edu/mailman/options/eswn/>.

If friends or colleagues would like to join, direct them to:

<http://mailman.acd.ucar.edu/mainman/listinfo/eswn>

### **ES Jobs list:**

Due to the large number of job postings on the original ESWN list, we have created a separate Earth Science Jobs List open to the public. You can join, change your settings, or unsubscribe at: [http://mailman.acd.ucar.edu/mailman/listinfo/es\\_jobs\\_net](http://mailman.acd.ucar.edu/mailman/listinfo/es_jobs_net)

To email this list, please send mail to: [Es\\_jobs\\_net@mailman.acd.ucar.edu](mailto:Es_jobs_net@mailman.acd.ucar.edu)

### **Social media:**

Search for ESWN on Facebook, and ESWNOnline on twitter and join!

**Please continue to personally invite friends and colleagues to join the group!**

## ESWN Earth Sciences Women's Network

### **Leadership Board Members:**

Manda Adams, University of North Carolina Charlotte  
Agatha De Boer, University of East Anglia  
Meredith Hastings, Brown University  
Tracey Holloway, University of Wisconsin  
Erika Marin-Spiotta, University of Wisconsin  
Amanda Staudt, National Wildlife Federation  
Allison Steiner, University of Michigan  
Christine Wiedinmyer, NCAR  
Coordinator: Rose Kontak, Brown

### **Web address:**

<http://www.ESWNOnline.org>

### **Mission:**

To promote career development, build community, provide informal mentoring and support, and facilitate professional collaborations.