

## BIOGRAPHICAL SKETCH

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|                                     |  |
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| NAME<br>Eisl, Holger M              | POSITION TITLE<br>Research Associate Professor |
| eRA COMMONS USER NAME<br>HOLGEREISL |  |

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)

| INSTITUTION AND LOCATION                     | DEGREE<br>(if applicable) | YEAR(s) | FIELD OF STUDY             |
|--|---------------------------|---------|----------------------------|
| Technical University of Berlin, Germany      | BS                        | 1978    | Physics                    |
| Technical University of Berlin, Germany      | Dipl. Ing.                | 1981    | Landscape Planning         |
| German University of Administrative Sciences | Certificate               | 1983    | Public Administration      |
| University of Pennsylvania                   | MRP                       | 1986    | Regional Planning          |
| University of Pennsylvania                   | MS                        | 1987    | Energy Management & Policy |
| University of Pennsylvania                   | PhD                       | 1999    | City and Regional Planning |

**RESEARCH AND PROFESSIONAL EXPERIENCE:** Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

- 1979-81      Research Assistant (part-time), Environmental Protection Agency (Umweltbundesamt), Berlin, Germany.
- 1985              Intern, Ministry of Agriculture / Univ. of the West Indies in Kingston, Jamaica.
- 1985-87      Non-Civil Service Engineering, Scientific and Technical Intern, Commonwealth of Pennsylvania, Department of Environmental Resources, Bureau of Waste Management, Harrisburg, PA.
- 1987-88      Environmental Engineer, Environmental Resources Management, Inc., Exton, PA.
- 1988-pres.      Research Associate Professor, Center for the Biology of Natural Systems, Queens College, City University of New York.

### Selected publications

- Cohen, M., B. Commoner, H. Eisl, P. Bartlett, A. Dickar, C. Hill, J. Quigley, J. Rosenthal, 1995: *Quantitative Estimation of the Entry of Dioxins, Furans and Hexachlorobenzene into the Great Lakes from Airborne and Waterborne Sources*. CBNS, Queens College, CUNY, Flushing, NY, May.
- Commoner, B., M. Cohen, P. Bartlett, A. Dickar, H. Eisl, C. Hill, J. Rosenthal, 1996: *Zeroing Out Dioxin in the Great Lakes: Within Our Reach*. CBNS, Queens College, CUNY, Flushing, NY, June.
- Commoner, B., M. Cohen, P.W. Bartlett, A. Dickar, H. Eisl, C. Hill, J. Rosenthal, 1996: *Dioxin Fallout in the Great Lakes: Where It Comes From; How to Prevent it; At What Cost*. CBNS, Queens College, CUNY, Flushing, NY, June. This project was supported by a grant from the Joyce Foundation.
- Cohen, M., B. Commoner, P. Bartlett, P. Cooney, H.M. Eisl, 1997: *Exposure to Endocrine Disrupters from Long-range Air Transport of Pesticides*. CBNS, Queens College, CUNY, Flushing, NY, November. This project was supported by a grant from the W. Alton Jones Foundation.
- Commoner, B., J. Richardson, M. Cohen, P. Bartlett, P. Cooney, K. Couchot, H.M. Eisl, C. Hill, 1998: *Dioxin Sources, Air Transport and Contamination in Dairy Feed Crops and Milk*. CBNS, Queens College, CUNY, Flushing, NY, July. This project was supported by grants from The Joyce Foundation, the Jessie B. Cox Charitable Trust, and the John Merck Fund.
- Bartlett, P.W., P. Cooney, K. Couchot, H.M. Eisl, B. Commoner, 1998. *The Routes and Biomarker Evidence of Exposure of Wildlife Populations to Atrazine, An Endocrine Disrupter*. CBNS, Queens College, CUNY, Flushing, New York, November 18. This project was supported by a grant from The W. Alton Jones Foundation.

- Commoner, B., P.W. Bartlett, H.M. Eisl, K. Couchot, 2000: Long-range Air Transport of Dioxin from North American Sources to Ecologically Vulnerable Receptors in Nunavut, Arctic Canada. Report to Commission for Environmental Cooperation, April 15.
- Commoner, B., B. Bush, P.W. Bartlett, K. Couchot, H.M. Eisl, 2000: The Exposure of the New York City Watershed to PCBs Emitted from the Hudson River. CBNS, Queens College, CUNY, Flushing, NY 11367, June. This project was supported by a grant from the New York Community Trust.
- Commoner, B., P.W. Bartlett, P. Cooney, K. Couchot, H.M. Eisl, 2000: *The Cross-Boundary Environmental Impact of Airborne Toxic Pollutants Emitted in the Mexican-United States Border Region*. CBNS, Queens College, CUNY, Flushing, NY 11367. This project was supported by a grant from the Public Welfare Foundation.
- Commoner, B., P.W. Bartlett, H.M. Eisl, K. Couchot, 2000: *The Efficacy of the HYSPLIT/TRANSCO Air Transport Model As A Means of Ranking the North American Sources That Contribute to the Deposition of Dioxin in Polar Regions of North America*. Final Report to Commission for Environmental Cooperation, Feb. 29.
- EISL, H.M., B. Commoner, P.B. Bartlett, and K. Couchot, 2001. *Response to "An Evaluation of Expected Emissions of Dioxin from the Ames Municipal Power Plant. A Report Prepared for the City of Ames, Iowa. By Robert C. Brown, Iowa State University."* CBNS, Queens College, CUNY, Flushing, New York, June 29.
- Cohen, Mark, R. Draxler, R. Artz, B. Commoner, P.W. Bartlett, P. Cooney, K. Couchot, A. Dickar, H. Eisl, C. Hill, J. Quigley, J. Rosenthal, 2002: Modeling the Atmospheric Transport and Deposition of PCDD/D to the Great Lakes. *Environmental Science and Technology*, Vol. 36, No. 22, 4831-4845.
- Commoner, B., P.W. Bartlett, H.M. Eisl, K. Couchot, 2003: The Deposition of Airborne Dioxin by North American Sources on Ecologically Vulnerable Receptors in Nunavut. In *Northern Lights Against POPs – Combatting Toxic Threats in the Arctic*, ed. D.L. Downie and T. Fenge (McGill-Queen's University Press).
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- Ross Z, Kheirbek I, Clougherty JE, Ito K, Matte T, Markowitz S, Eisl H. Noise, air pollutants and traffic: Continuous measurement and correlation at a high-traffic location in New York City. *Environ Res*. 2011 Nov; 111(8):1054-63
- Kheirbek I, Johnson S, Ross Z, Pezeshki G, Ito K, Eisl H, Matte T. 2012. Spatial variability in levels of benzene, formaldehyde, and total benzene, toluene, ethylbenzene and xylenes in New York City: a land-use regression study. *Environmental Health*. 11:51. doi: 10.1186/1476-069X-11-51.
- Matte TD, Ross Z, Kheirbek I, Eisl HM, Johnson S, Gorczynski JE, Kass D, Markowitz S, Pezeshki G, Clougherty JE: Monitoring intraurban spatial patterns of multiple combustion air pollutants in New York City: Design and implementation. *J of Expos Sci and Environ Epidemiol* 2013, 23:223–231.
- Clougherty JE, Kheirbek I, Eisl HM, Ross Z, Pezeshki G, Gorczynski JE, Johnson S, Markowitz S, Kass D, Matte T: Intra-urban spatial variability in wintertime street-level concentrations of multiple combustion-related air pollutants: The New York City Community Air Survey (NYCCAS). *J of Expos Sci and Environ Epidemiol* 2013, 23:232–240
- Jessie LC Shmool, Drew R Michanowicz, Leah Cambal, Brett Tunno, Jeffery Howell, Sara Gillooly, Courtney Roper, Sheila Tripathy, Lauren G Chubb, Holger M Eisl, John E Gorczynski, Fernando E Holguin, Kyra Naumoff Shields and Jane E Clougherty: Saturation sampling for spatial variation in multiple air pollutants across an inversion-prone metropolitan area of complex terrain: *Environmental Health* 2014, 13:28

#### Ongoing Research Support

NYC Dept. of Health and Mental Hygiene Eisl (PI) 5/1/07-6/30/17

Environmental Health Surveillance and Policy Program to develop and implement a research plan to characterize neighborhood and street level air quality in NYC.

Role: PI