

## Curriculum Vitae

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### Education

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- **University of California, Berkeley, MS/PhD, Energy and Resources**  
Expected 2015  
Honors and Awards:
  - Foreign Language and Area Studies Fellowship (Swahili) (2010 - 2012)
  - ThinkSwiss Research Fellowship (2010)
- **Columbia University, MA, Climate & Society**  
August 2006
- **University of California Santa Cruz, BA, Environmental Studies**  
December 2003  
Honors and Awards:
  - Regents Scholar
  - College Honors
  - Departmental Honors
  - Thesis Honors

### Work Experience

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#### **United Nations Development Programme/Energy and Environment Group (UNDP EEG)**

*Project Coordinator*, September 2006 – August 2009, New York, NY

- Led implementation of the UNDP-GEF Community-Based Adaptation (CBA) project
- Provided scientific and technical support to CBA country programme teams
- Reviewed project proposals for scientific, technical, and eligibility criteria
- Undertook support and capacity-building missions in a variety of developing country contexts
- Hired and oversaw project staff, consultants, and interns
- Represented the CBA project in international meetings and other fora
- Developed funding partnerships with bilateral donors and sister UN agencies

#### **Global Environment Facility Small Grants Programme (GEF-SGP), New York NY**

*Intern*, June 2006 – August 2006

- Conducted and published a thematic review of SGP's portfolio of projects in the area of sustainable transportation

#### **The Earth Institute, International Research Institute for Climate and Society (IRI), Palisades, NY**

*Associate Researcher*, September 2005 – August 2006

- Provided research support for the "Climate and Health in West Africa" project
- Researched linkages between climate variability/change and vector ecology for improved assessments of changing disease risk in the face of environmental and climatic change

#### **Haddington Youth Development Initiative, Philadelphia, PA**

*Program Manager*, March 2004 – June 2005

- Managed a branch of a non-profit organization focusing on inner city youth development
- Managed staff and led educational programming
- Implemented fundraising and outreach initiatives

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## Publications and Conference Presentations

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Crane-Droesch, A.N., Abiven, S., Schmidt, M.W.I., Torn, M.S. (2011). "Biochar fertilization of plant growth varies with application rate, charring temperature and soil conditions: A Meta-Analysis." *Environmental Science and Technology*, Submitted.

Abiven, S., Moraes, C., Crane-Droesch, A. (2011). "The effects of biochars on plant germination and biomass production diverge depending on soil and char properties ." *Biology and Fertility of Soils*, Submitted.

Crane-Droesch, A., Abiven, S., Schmidt, M.W.I., Torn, M.S. (2010). "A Meta-Analysis of Plant Response to Biochar." International Biochar Initiative Conference. Rio de Janeiro, Brazil, September 2010,

Gordon, D., Crane-Droesch, A., Mershon, A., Kurukulasuriya., P (2009). "L'approche programmatique de l'adaptation communautaire: le levier des projets locaux pour un effet global ." *Liaison Énergie-Francophonie* numéro 85: Adaptation au changement climatique. IEPF: Quebec.

Crane-Droesch, A. "The Vulnerability Reduction Assessment: A Participatory Metric for Adaptive Capacity to Climate Change." 3<sup>rd</sup> International Conference on Community Based Adaptation to Climate Change. Dhaka, Bangladesh, February 18 – 24, 2009.

Crane-Droesch, A., Gaseb, N., Kurukulasuriya, P., Mershon, A., Moussa, K.M., Rankine, D., Santos, C.A. (2009). *A Users Guide to the Vulnerability Reduction Assessment*. UNDP Working Paper: [www.undp-adaptation.org/project/cba](http://www.undp-adaptation.org/project/cba)

Gitonga, S, Crane-Droesch, A. "Lessons from Community-Based Adaptation Activities." UN Commission on Sustainable Development (CSD-15), New York NY, May 9, 2007.

Crane-Droesch, A 2006. *Environmentally Sustainable Transport and Climate Change: Experiences and lessons from community initiatives*. GEF Small Grants Program, United Nations Development Program, November 2006.

Crane-Droesch, A, et al. "Successful Grassroots Organizing to Promote Cycling and Sustainable Transportation." Towards Car-Free Cities VI, Bogota, Colombia. September 20-24, 2006.

## Curriculum Vitae

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### Computer Applications, Technical Skills, Languages

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#### Software/Technical Skills:

- ArcGIS 9
- STATA
- LaTeX
- Basic UNIX
- Matlab/Octave

#### Language Skills:

- Spanish: Highly Proficient
- Swahili: Intermediate
- French: Basic

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### Community and Volunteer Work

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#### ACON June 2011 – Present, Bungoma Kenya

Helping to build the capacity of a grassroots NGO in Western Kenya to successfully administer, implement, report on, and evaluate their grant-supported projects.

#### 1000 New Cyclists Campaign December 2010 – Present, Berkeley CA

Leading workshops and serving as a “mentor” to remove barriers faced by those who seek to transition away from daily automobile use.

#### Transportation Alternatives January 2007 – August 2009, New York City

Member and volunteer for a New York City-based environmental and bicycle advocacy organization.

#### Times Up! October 2005 – August 2009, New York City

Volunteer bicycle mechanic with a local grassroots environmental organization. Teaching basic bicycle repair skills at free community workshops.

#### Volunteer Teacher June - July 2005, Mbita, Kenya

Supported teachers in various subjects in a rural primary school in Western Kenya.

#### Ghana Wildlife Society October 2001 – December 2001, Accra, Ghana

Supported the Ghanaian launch of the UNFAO “Earthbird” environmental education curriculum.

#### Citizen Diplomats March 1998, Havana and Matanzas, Cuba

Participated in a cultural exchange and peace-building project between Cuban and American citizens.