

**Britt Crow-Miller, Ph.D.**  
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### **I. ACADEMIC INTERESTS AND EXPERTISE**

Human geography, sustainability, development, socio-technical/techno-political systems, hydropolitics, water resource management, infrastructure, political ecology, water-energy-food nexus, inter-basin water transfer, China, China in the world, American West, scale

### **II. EDUCATION**

Ph.D. Geography, 2013

University of California Los Angeles, Los Angeles, California

Dissertation: *"Water, Power, and Development in Twenty-First Century China: The Case of the South-North Water Transfer Project"*

M.A. Regional Studies—East Asia, 2009

Harvard University, Cambridge, Massachusetts

Thesis: *"Social Responses to Environmental Pollution in China: The Role of Institutional Context"*

B.A. History and Asian Studies, 2006

Bard College, Annandale-on-Hudson, New York

### **III. POSITIONS AND APPOINTMENTS**

Assistant Professor, School for the Future of Innovation in Society, Arizona State University, 2016- present

Senior Sustainability Scientist, Julie Ann Wrigley Global Institute of Sustainability, Arizona State University, 2016- present

Assistant Professor, Department of Geography, Portland State University, 2014-2016

Faculty Fellow, Institute for Sustainable Solutions, Portland State University, 2014-2016

Research Assistant Professor, Institute for Sustainable Solutions, Portland State University, 2013-2014

#### IV. FELLOWSHIPS, GRANTS, AND AWARDS

Fellow, "The Emerging Geography of Chinese Water Infrastructure: InterAsian and Transregional connections in the food-energy-water nexus," Transregional Research Junior Scholar Fellowship: InterAsian Contexts and Connection, Social Science Research Council (SSRC), 2017-2018 (\$42,000- no overhead)

Co-P.I., "The Technopolitics of China's South-North Water Transfer Project," Australian Research Council, Discovery Projects, 2017-2021 (\$570,700 AUS- no overhead)

P.I., "Toward Sustainability: Taking a nexus approach to evaluating multiscale energy-water-food issues related to China's hydropower expansion," Portland State University Faculty Enhancement Grant, 2015-2016 (\$14,348)

Portland State University Faculty Development Committee Travel Award, Spring 2015 (\$2,149)

Portland State University Research Stimulus Award, "The role of green development strategies in improving urban water pollution: Evidence from two cities in Hebei," 2014-2015 (\$5,000)

P.I., "Assessing institutional factors informing adaptive capacity in urban water resource management in US cities," Institute for Sustainable Solutions, Portland State University, 2014-2015 (\$14,406)

UCLA Dissertation Year Fellowship, 2012-2013 (\$34,617)

UCLA College of Letters and Science Spirit Award, 2012 (\$5,517)

The Society of Woman Geographers National Fellowship, 2011-2012 (\$5,000)

UCLA Department of Geography Support Grant, 2011

UCLA Asia Institute Graduate Fellowship Award, 2011-2012 (\$5,463)

Association of Asian Studies (AAS) China and Inner Asia Council (CIAC) Small Grant, 2011 (\$2,500)

Association of American Geographers (AAG) Anne U. White Fund Grant, 2011 (\$1,500)

UCLA Graduate Research Mentorship Fellowship, 2010-2011(\$31,620)

UCLA Graduate Summer Research Mentorship Award, 2010 (\$4,700)

UCLA Foundation Fellowship, 2009-2010 (\$41,115)

Invited and funded participant in the Association for Asian Studies (AAS) Dissertation Workshop on "Politics of the Environment," Chicago, Illinois, 2009

Harvard Asia Center Travel Grant for presentation at the International Science and Policy Conference, Stockholm, Sweden, 2008

Freeman Foundation Research Grant, 2005-2006

## V. SCHOLARSHIP

### A. Publications (Peer-Reviewed)

Chang, Heejun, Matthew R. Bonnette, Philip Stoker, Britt Crow-Miller, Elizabeth Wentz. "Determinants of Single Family Residential Water Use Across Scales in Four Western US Cities." *Science of the Total Environment*, vol. 596-597, 2017: 451-464.

Clarke-Sather, Afton, Britt Crow-Miller, Jeffrey M. Banister, Kimberley Anh Thomas, Emma S. Norman, and Scott R. Stephenson. "The Shifting Geopolitics of Water in the Anthropocene." *Geopolitics*, 2017: doi:10.1080/14650045.2017.1282279

Webber, Michael, Britt Crow-Miller, and Sarah Rogers. "The South-North Water Transfer Project: Remaking the geography of China." *Regional Studies*, 2017: doi:10.1080/00343404.2016.1265647

Crow-Miller, Britt; Heejun Chang, Elizabeth A. Wentz, and Philip Stoker. "Facilitating collaborative urban water management through university-utility cooperation." *Sustainable Cities and Society*, 2016: doi:10.1016/j.scs.2016.06.006.

Crow-Miller, Britt. "Discourses of Distraction: The Politics of Framing China's South-North Water Transfer Project." *Water Alternatives*, vol. 8(2), 2015: 173-192.

Crow, Britt L. and Judith Carney. "Commercializing Nature: Mangrove Conservation and Female Oyster Collectors in The Gambia." *Antipode*, vol. 45(2), 2013: pp. 275-293.

Crow, Britt L. "Bare Sticks and Rebellion: The drivers and implications of China's Reemerging Sex Imbalance." *Technology in Society*, vol. 32(2), 2010: pp. 72-80.

Crow, Brittany. "Environmentally-Instigated Rural Rebellion on the North China Plain: The Persistence of Late Imperial Mobilizational Tactics and Implications for China Today." *The Science in Society Review*, vol. 3(2), 2007: pp. 47- 54.

### B. Under Review

Crow-Miller, Britt and Michael Webber. "Of Maps and Eating Bitterness: the politics of scale in China's South-North Water Transfer Project." In revision, *Political Geography*.

Stoker, Philip, Heejun Chang, Britt Crow-Miller, Elizabeth Wentz, Gabrielle Jehle, Matthew Bonnette. "Building water efficient cities: a comparative analysis of how the built environment influences water use in four Western U.S. cities." In revision, *Landscape and Urban Planning*.

Crow-Miller, Britt, Michael Webber, and Sarah Rogers. "The Technopolitics of Big Infrastructure and the Chinese Water Machine." In revision, *Water Alternatives*.

Rogers, Sarah and Britt Crow-Miller. "The politics of water: A review of hydropolitical frameworks and their application in China." Under review (March 2017).

### C. In Preparation

Crow-Miller, Britt. "Sustainability and water resources in North China," in *Sustainability Handbook: Case Studies and Practical Applications*. Robert Brinkmann and Sandra Garren (eds). London, UK: Palgrave Macmillan (in preparation).

Crow-Miller, Britt, Michael Webber, and Francois Molle. "Introduction to Special Issue: The (Re)turn to Infrastructure for Water Management." In preparation for special issue of *Water Alternatives*.

### D. Monographs

Crow-Miller, Brittany. *Water, Power, and Development in Twenty-First Century China: The Case of the South-North Water Transfer Project*. Dissertation. University of California, Los Angeles. 2013.

### E. Book Chapters

Carney, Judith A.; Britt L. Crow and Hassoum Ceesay. "Wild Oysters, Female Harvesters, and Mangrove Forests of The Gambia," in Abdoulaye Saine, Ebrima Ceesay, Ebrima Sall (Eds.). *The Gambia: State and Society in the Gambia since Independence*. Trenton, New Jersey: Africa World Press, 2012.

### F. Reports and Discussion Papers

Crow-Miller, Britt. "Diverted Opportunity: Inequality and what the South-North Water Transfer Project really means for China's future." *GWF Discussion Paper 1409*, Global Water Forum, Canberra, Australia. 2014.

### G. Online publications, technical notes, etc.

Crow-Miller, Britt. "China's South-North Water Transfer Project: An Unsustainable Diversion."

*China-US Focus*, December 11, 2014.

Crow, Britt. "China's South-North Water Transfer Project: A means to a political end." *State of the Planet*, The Earth Institute, Columbia University, March 2012.

Crow, Brittany. "Unintended consequences and unclear ethics." *CSPO Soapbox*, Consortium for Science, Policy and Outcomes, June 1, 2009.

Kirby, William C.; J. Megan Greene, Brittany Crow and Tracy Manty. "A Strait of Uncertainty: Taiwan's Development in the Shadow of China." Harvard Business School Press, Note 909-408, 2009.

Kirby, William C. and Brittany Crow. "China's Environmental Challenges." Harvard Business School Press, Note 308-100, 2008.

Kirby, William C. and Brittany Crow. "Myths and Lessons of Modern Chinese History." Harvard Business School Press, Note 308-065, 2007.

Crow, Brittany. "A Few Observations: The Environment and Development in China." The Project on Global and Comparative Knowledges at the Consortium for Science, Policy and Outcomes, August 2007.

#### H. Presentations

Crow-Miller, B. "Performing Sovereignty through Nature in the South China Sea." Association of American Geographers Annual Conference; Boston, MA; April 2017.

Crow-Miller, B. "Sustainable urban water management in North China." Association of American Geographers Annual Conference; San Francisco, CA; March 2016.

Crow-Miller, B. "Regional and Global Implications of Energy-Water-Food Nexus connections in Chinese hydropower development." Association of American Geographers Annual Conference; Chicago, IL; April 2015.

Chang, H.; Crow-Miller, B.; Wentz, E.; Bonnette, R.; and Stoker, P. (presented by Chang). "Determinants of urban water consumption in Western U.S. cities." Association of American Geographers Annual Conference; Chicago, IL; April 2015.

Crow-Miller, B. "Toward sustainable water management in urban North China." American Water Works Association Sustainable Water Management Conference; Portland, OR; March 2015.

Crow-Miller, B. "Discourses of Distraction: Framing China's South-North Water Transfer Project," Association of American Geographers Annual Conference; Tampa, FL; April 2014.

Crow-Miller, B. "Placing Collective Action: Place and the Politics of Environmental Protest in a Chinese Town," Association of American Geographers Annual Conference; Seattle, WA; April 2011.

Crow, B. "Social Responses to Environmental Pollution in China: The Role of Institutional Context," Association of American Geographers Annual Conference; Washington, DC; April 2010.

Crow, B. "The Adaptive Cycle Applied to History: The transformative progression of dynasties in Imperial China," International Science and Policy Conference; Stockholm, Sweden, April 16, 2008.

Crow, B. "On the Ground and in the Air: Social implications of residential hyperdensity in Hong Kong," Harvard East Asia Society Graduate Student Conference; Cambridge, MA, March 1, 2008.

Crow, B. "Bare Sticks and Rebellion: The drivers and implications of China's Reemerging Gender Imbalance," Boston University Graduate Conference on Asian Studies; Boston, MA, December 1, 2007.

#### I. Invited Presentations and Participation

"Below the Surface: Linking Water, Power, and Politics in China's South-North Water Transfer Project." Nicholas School of the Environment, Duke University; Durham, NC: November 15, 2012.

"Water, Development and Urbanization in 21<sup>st</sup> Century China: The Case of the South-North Water Transfer Project." *China Seminar*, Nohad A. Toulan School of Urban Studies and Planning, Portland State University; Portland, OR: March 12, 2012.

"Conducting Fieldwork in China: Reflections on the research process." *First Friday Seminar*, Nohad A. Toulan School of Urban Studies and Planning, Portland State University; Portland, OR: January 13, 2012.

"Confronting China's Water Challenges: The Case of the South-North Water Transfer Project" (面对中国水资源的挑战: 南水北调工程的案例). China-US Center for Sustainable Development; Portland, OR; October 20, 2011.

"Watering the Capital: Economic growth, urban development and the South-North Water

Transfer Project." *UCLA Beijing and Hong Kong Globalization and 21st Century China Travel Study Program*, China Foreign Affairs University; Beijing, China; July 28, 2011.

"South-North Water Transfer Project: An introduction to the issues" (南水北调工程: 介绍一些问题). Green Earth Volunteers (绿家园志愿者) Annual China Green News Training Workshop; Beijing, China; July 8, 2011.

#### J. Conference, Workshop and Symposia Organization

Co-organizer (with Afton Clarke-Sather). "Geopolitics of Water I: Security and scarcity." Association of American Geographers Annual Conference; Chicago, IL; April 2015.

Chair and co-organizer (with Afton Clarke-Sather), "Geopolitics of Water II: Transboundary issues." Association of American Geographers Annual Conference; Chicago, IL; April 2015.

Organizer, Water provider workshop: "The Role of Institutional Factors in Informing Adaptive Capacity in Urban Water Resource Management in Western US Cities." Portland, OR: March 18, 2015.

Conference organization committee member, Harvard East Asia Society Conference, 2007-2008

## VI. TEACHING AND MENTORING

### A. Courses Taught

GTD 501 (ASU), Global Technology and Development, Spring 2017

FIS 337 (ASU), Innovation and Global Development, Spring 2017

GEOG 230 (PSU), Environment and Society, Fall 2014, Spring 2015

GEOG 230 online hybrid (PSU), Winter 2016, Spring 2016

GEOG 348 (PSU), Cultural and Political Ecology, Winter 2015

GEOG 350 (PSU), Global Environmental Politics, Spring 2014

GEOG 353 (PSU), Development and Environment in East Asia, Spring 2012, Winter 2014, Winter 2015

GEOG 135 (UCLA), African Ecology and Development (TA for Judith Carney), Spring 2010, Fall 2010

GEOG 296C (UCLA), Political Geography Working Group, 2010-2011 (graduate student facilitator)

### B. Graduate Student Mentoring

Gretchen Guyer (MS 2016, PSU Dept. of Geography; thesis committee member)

Gwyneth Manser (MS 2016, PSU Dept. of Geography; thesis committee member)

Ryan Bonnette (MS expected 2017, PSU Dept. of Geography; thesis committee member)

Kira Smith (MS expected 2017, PSU Dept. of Geography; thesis committee member)

Aylan Lee (MS expected 2017, PSU Dept. of Geography; graduate advisor)

Wang Ziyue (MS expected 2017, ASU Global Tech. and Dev. program; graduate advisor)

## VII. SERVICE

### A. University Service

Innovations in Global Development PhD Planning and Development Committee, School for the Future of Innovation in Society, ASU, 2016-present

Interim Faculty Advisory Committee, School for the Future of Innovation in Society, ASU, 2016-present

Pay, Promotion and Tenure Committee Member, Geography Department, PSU, 2015-2016

Curriculum Committee Member, Geography Department, PSU, 2014-2016

Curriculum Committee Member, School of the Environment, PSU, 2014-2016

Graduate Student President, Department of Geography, UCLA, 2010-2011

Committee Member, Harvard East Asia Society (HEAS), 2007-2009

Elected Member, Harvard Graduate Student Council (GSC) Budget and Funding Committee, 2007-2008

### B. Professional Service

Article Referee,

*Transactions of the Institute of British Geographers*

*Political Geography*

*Environment and Planning A*

*Water International*

*Environment, Development, and Sustainability*

*Public Administration and Development*

*Water Alternatives*

Chinese-English Translator and Copy-Editor, Green Earth Volunteers/ 绿家园志愿者 (Chinese-operated environmental NGO), Beijing, China, 2010-2012

## VIII. EDITORIAL EXPERIENCE

Editorial Board member, *Environmental Sustainability Series*, Palgrave Macmillan (London, UK), 2017-present



Editor-in-Chief, *Harvard Asia Quarterly*, 2008-2009

Chief Regional Editor: China, *Harvard Asia Quarterly*, 2007-2008

Editor, *Asia Notes*, Harvard University, Cambridge, MA, 2007-2008

Editor-in-Chief, "Highlights from the 2007 Science and Policy Forum," The American Association for the Advancement of Science (AAAS) and the Consortium for Science, Policy and Social Outcomes (CSPO), 2007

Associate Editor, *The Triple Helix* (Arizona State University Chapter), Tempe, AZ, 2006-2007

#### **IX. ADDITIONAL RESEARCH AND WORK EXPERIENCE (selected)**

Visiting Student and Affiliate, Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research (中国科学院地理科学与资源研究所), Beijing, China, 2011(summer only)

Visiting Scholar, Consortium for Science, Policy, and Outcomes (CSPO) at Arizona State University, 2009

Research Associate with Professor William C. Kirby, Harvard Business School, 2007-2009

Research/Management Intern, Consortium for Science Policy and Social Outcomes at Arizona State University, 2006-2007

International Research Analyst for Director of Strategic Projects, Office of the President, Arizona State University, 2004-2007

#### **X. PROFESSIONAL MEMBERSHIP**

Association for Environmental Studies and Sciences (AESS)

American Association of Geographers (AAG)

Regional Studies Association (RSA)

Society of Woman Geographers (SWG)

Association for Asian Studies (AAS)

#### **XI. LANGUAGES**

English, native fluency

Mandarin, advanced proficiency in speaking, reading, and writing

#### **XII. MEDIA COVERAGE**

22 April, 2016. Sharron Lovell and Tom Wang. "Drinking the Northwest Wind: What China's Mega Water Transfer Means for Those Left Behind." ChinaFile.

8 January, 2015. Codi Yeager-Kozacek. "China Completes Second Line of South-North Water Transfer." *Circle of Blue*.

31 December, 2014. 申花. “南水北调”到北京. 美中之音.

8 December, 2014. Tom Hancock. "China farmers washed away as Beijing taps water from south." Agence France Presse.

27 September, 2014. "Water consumption: A canal too far." The Economist.

9 September, 2014. Stian Reklev. "Quenching Beijing's thirst may stunt regional growth." Reuters.