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## EMPLOYMENT

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### University of Alaska Anchorage

Postdoctoral Fellow, Department of Biological Sciences, July 2013 - present

Resilience and Adaptive Management Group

Alaska EPSCoR ACE: *Alaska Adapting to Changing Environments, Central Test Case*

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## EDUCATION

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### San Diego State University / University of California, Santa Barbara

Doctoral Candidate, Department of Geography, September 2008 – September 2013

Committee: Li An, (SDSU, co-chair), David López-Carr (UCSB, co-chair)  
Kathleen Farley (SDSU), Keith Clarke (UCSB)

Dissertation: *LULC Change in Human-Nature Systems: Understanding complex interactions among national policy, local management, livelihoods, and conservation*

### University for Peace, Costa Rica

M.A. Environmental Security and Peace, October 2008

Tuition Merit Scholarship

### University of Wisconsin, Eau Claire

B.A. Geography, B.A. American Indian Studies, minor in German, May 2006

Degree emphasis on geographic techniques

Graduated Summa cum Laude, Dean's List each semester

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## RESEARCH INTERESTS

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- Human-environment relationships and interaction
- Conservation management, landscape ecology, payment for environmental services programs
- Modeling land use and land cover change, livelihoods, and policy
- Environmental education, experiential learning
- Multilevel modeling, remote sensing, space-time dynamics, survey methods
- Environmental security (virtual water, farming practices, food security and climate change)
- Environmental justice (Native American environmental programs, Indigenous GIS implementation and collaboration)

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## PUBLICATIONS

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### Peer-Reviewed Publications

Wandersee, S., An, L., López-Carr, D., & Yang, Y. (2012). Perception and Decisions in Modeling Coupled Human and Natural Systems: A Case Study from Fanjingshan National Nature Reserve, China. *Ecological Modelling*. Spec. Issue of *Modeling Human Decisions* 229: 37-49.

Aitken, S.C., An, L., Wandersee, S., & Yang, Y. (in press). Renegotiating Local Values: The Case of Fanjingshan Reserve, China. Festschrift Publication.

Tsou, M., Kim, I.-H., Wandersee, S., Lusher, D., An, L., Spitzberg, B., Gupta, D., Gawron, J., Smith, J., Yang, J. A., and Han, S. (2013). Mapping Ideas from Cyberspace to Realspace: Visualizing the

Spatial Context of Keywords from Web Page Search Results. *International Journal of Digital Earth*. Spec. Issue of *Analytical Geospatial Digital Earth*. 1-20.

### **Manuscripts Under Review**

Anderson, S., **Wandersee, S.**, Arcenas, A., & Baumgartner, L. (submitted). Craigslist Samples of Convenience: Recruiting Hard-to-Reach Populations. *International Journal of Public Opinion Research*.

López-Carr, D., An, L., **Wandersee, S.**, Zvoleff, A. (submitted). Land Use and Land Cover Change. Oxford Bibliographies.

### **Manuscripts in Preparation**

**Wandersee, S.**, Farley, K., López-Carr, D., An, L. Livelihood and Reforestation in a National Reserve: Questions about Sloped Land Conversion Program Participation in Minority Areas. *Planned for Nov. 2013 submission*.

**Wandersee, S.**, An, L., Clarke, K. Land Change in Guizhou Golden Monkey Habitat, China: Quantification of Land Cover for Temporal Comparison between Conservation Zones. *Planned for Nov. 2013 submission*.

### **Encyclopedia Entries**

**Wandersee, S.** (2010). Metadata. In Warf, B. & P. Jankowski (Eds.), *Encyclopedia of Geography*, Singapore: Sage Publications, Inc.

**Wandersee, S.** (2013). Xi River. In R. W. Howarth (Lead Ed.), *Biomes and Ecosystems: An Encyclopedia*, Salem Press.

### **Book Reviews**

**Wandersee, S.** (2013). Review of the book *After Custer: Loss and Transformation in Sioux Country*, by P. Hedren. *Journal of Historical Geography* 40, 227-28.

**Wandersee, S.** (2012). Review of the book *Will the Real Alberta Please Stand up?* by G. Takach. *Journal of Cultural Geography* 29(1).

**Wandersee, S.** (2011). Review of the book *Pilgrims on the Ice: Robert Falcon Scott's First Antarctic Expedition, Bison Books Edition*, by T.H. Baughman. *Journal of Historical Geography* 39.

## **PROFESSIONAL PRESENTATIONS**

**Wandersee, S.**, An, L., & Yang, Y. (2013, Apr.). *National plans and local implementation of China's sloped land conversion program: An analysis of SLCP implementation in a National Reserve*. Organized paper session, 2013 Annual Meeting of the Association of American Geographers, Los Angeles, CA.

**Wandersee, S.**, An, L., & Yang, Y. (2012, Feb.). *From paper to practice: Land cover dynamics in Guizhou golden monkey habitat, China*. Paper session, 2012 Annual Meeting of the Association of American Geographers, New York, NY.

An, L., Ming, T., **Wandersee, S.**, Gupta, D., Spitzberg, B. & Gawron, J. M. (2012, Feb.). *How do ideas spread over the internet? Evidence from space-time analysis*. Paper session, 2012 Annual Meeting of the Association of American Geographers, New York, NY.

An, L., Ming, T., **Wandersee, S.**, Gupta, D., Spitzberg, B. & Gawron, J. M. (2012, Feb.). *Is climate change a myth? Evidence from cyberspace and realspace*. Paper session, symposium "Web Surveillance: Fighting Terrorism and Infectious Diseases", 2012 Annual Meeting of the American Association for the Advancement of Science, Vancouver, Canada.

- Tsou, M., An, L., & **Wandersee, S.** (2011, Apr.) *Visualizing and analyzing spatiotemporal dynamics of global diffusion of ideas in cyberspace*. Paper session, 2011 Annual Meeting of the Association of American Geographers, Seattle, Washington.
- An, L., Wang, N., Brown, D., & **Wandersee, S.** (2011, Apr.). *Land survival analysis: A new paradigm for characterizing and understanding land changes*. Paper session, 2011 US-IALE Annual Meeting, Portland, OR.
- Wandersee, S.**, An, L., & Yang, Y. (2011, Apr.). '*Pest*' species and conservation in mixed use reserves: *Human-environment dynamics in Fanjingshan National Nature Reserve, China*. Paper session, 2011 US-IALE Annual Meeting, Portland, OR.
- Wandersee, S.**, An, L., & López-Carr, D. (2011, Feb.). *Perception and Decisions in Modeling Complex Human-Environment Dynamics in Protected Areas: A Case Study from Guizhou, China*. Paper session, 2011 Association for the Advancement of Science Annual Meeting, Washington, D.C.
- Wandersee, S.**, An, L., & Yang, Y. (2010, Apr.). *Forest vegetation dynamics in Guizhou golden monkey habitat, China*. Paper session at the 2010 US-IALE 25<sup>th</sup> Anniversary Symposium, Athens, GA.
- Wandersee, S.**, An, L., Yang, Y., & Tan, C. (2009, Oct.). *Chinese National Policy Effects on Local Level Conservation and Communities: Preliminary results from Fanjingshan National Nature Reserve*. Paper session presented at the 2009 Annual Meeting of the Association of Pacific Coast Geographers, San Diego, CA.
- Wandersee, S.**, & An, L. (2009, Mar.). *Documenting Impacts of Illegal Mining on Guizhou Golden Monkey Habitat in Southwestern China Using Remote Sensing*. Poster session presented at the 2009 Annual Meeting of the Association of American Geographers, Las Vegas, NV.

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### INVITED LECTURES

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- Wandersee, S.** (2013/2012, Apr.). *Road Ecology*. Guest Lecture. Landscape Ecology. San Diego State University, San Diego, CA.
- Wandersee, S.** (2012, Dec.) Payments for Ecosystem Services in Protected Golden Monkey Habitat: Human-Environment Dynamics in Fanjingshan, China. Invited public lecture. Grinnell College, Grinnell, IA.
- Wandersee, S.** (2011, Nov.). *Air Pollution*. Guest Lecture. Environmental and Natural Resource Conservation. San Diego State University, San Diego, CA.
- An, L. & **Wandersee, S.** (2010, Oct.). *Landscape Ecology Applications in Fanjingshan National Nature Reserve*. Guest Lecture. Conservation Ecology. San Diego State University, San Diego, CA.
- Wandersee, S.** (2010, Oct.). *China: Physical & Environmental Geography*. Guest Lecture. World Regional Geography. San Diego State University, San Diego, CA.
- An, L. & **Wandersee, S.** (2010, June). San Diego Zoo Institute for Conservation Research (ICR) Symposium Presentation. San Diego, CA.
- Wandersee, S.** (2009, Nov.). *Forest Change-Local Livelihood Interaction and Impacts on Golden Monkey Habitat*. Presented at San Diego State University Colloquium "People, Golden Monkeys, and the Environment: Sustainability into the Future".

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### FUNDING

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**Margot Marsh Biodiversity Foundation Grant**    Role: PI    2009-2011    Amount: \$12,000  
Project Title: Documenting Impacts of Illegal Mining on the Guizhou Golden Monkey, *Rhinopithecus brelichi*, in Fanjingshan National Nature Reserve, China.

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## TEACHING EXPERIENCE

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**Landscape Ecology (SDSU)**, Instructor (Fall 2010), Co-instructor (Spring 2011, 2012), 5 – 15 student seminar course; Theories, techniques, frontiers, and applications of landscape ecology in natural resources/environment management and conservation; Lectures, labs, exams, class projects/presentations.

**Geographic Information Science (SDSU)**, Co-instructor (Fall 2011), 25 student lecture course; Fundamental concepts of geographic information science (GIScience), including geographic information systems (GIS), global positioning systems (GPS), cartography, remote sensing, and spatial analysis. Also includes geospatial application tools in addressing human and environmental problems, basic principles of mathematics and quantitative reasoning, geospatial data organization, basic remote sensing and spatial pattern analysis and interpretation; Lectures, homework assignments, exams, class projects, presentations.

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## WORKSHOPS

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**MapTEACH**, Invited participant, 8/27/2013, International Arctic Research Center, University of Alaska Fairbanks, 1 day workshop on mapping incorporation in teaching.

**Teaching College Geography**, Facilitator & co-organizer, 08/2012, 08/2011, Dept. of Geography, San Diego State University, 10 student 2-day workshop.

**Mapping Cyberspace Specialist Meeting**, Assistant, 08/2012, 06/2011, Center for Earth Systems Analysis Research, San Diego State University, 15-participant specialist meeting.

**Food Security**, Facilitator & co-organizer, 10/2011, Supporting Women in Geography, San Diego State University Student Group, 1 day course for San Diego County Girl Scouts.

**Website Design**, Organizer and co-facilitator, 09/2011, 04/2011, Dept. of Geography, San Diego State University, 12 student short workshop.

**Multilevel Modeling Advanced Spatial Analysis**, Consultant, 07/10-15/2011, Center for Spatially Integrated Social Science, University of California – Santa Barbara, week-long intensive course for graduate students and early career faculty.

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## AWARDS AND HONORS

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Alaska EPSCoR Travel Award – Arctic AAAS Conference	Sept. 2013, \$1500
Citizenship Award, SDSU Dept. of Geography	Spring 2012, \$500
ESRI Award for Human Geography Applications of GIS	Spring 2011, \$500
McFarland Scholarship, SDSU Dept. of Geography	2011-12, \$4,200
Women's Environmental Council Scholarship	Spring 2011, \$1,000
NASA-MSU Professional Enhancement Award	Spring 2010, \$700
University for Peace Merit Scholarship	2007-2008, \$8,000
National Merit Scholarship	2002-2006, \$12,000
Congress-Bundestag Scholarship: 1 year study-abroad in Germany	2001-02, all expenses
National Youth Leadership Forum Participant	Feb. 2000, all expenses

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## SERVICE TO COMMUNITY

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<i>Reviewer: International Journal of Primatology, Environmental Management, Journal of Natural History</i>	
SDSU Dept. of Geography Lead TA	2012-2013
SDSU Dept. of Geography Graduate Student Group, Co-founder	2011-2013
SDSU Department of Geography PhD Representative	2011-2012
Supporting Women in Geography San Diego State University	2010-2013
Position: President (2013-Present), Treasurer (2010-2012)	
Volunteer Hazard Mapping Corps San Diego State University	2008-2013

**PROFESSIONAL MEMBERSHIPS**

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American Geophysical Union	2012-Present
Association of American Geographers	2011-Present
American Society for Photogrammetry and Remote Sensing	2011-Present
American Association for the Advancement of Science	2011-Present
International Association for Landscape Ecology	2009-Present
National Society of Collegiate Scholars	2003-Present

**TRAINING**

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FEMA NIMS IC-100 and IC-200	10/2009
University for Peace Model United Nations, Costa Rica	1/31-2/2/2008
Fundraising for Development Projects, University for Peace, Costa Rica	11/2007

**REFERENCES**

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Dr. Li An, Dr. David López-Carr, Dr. Kathleen Farley, *additional references available on request.*

**OTHER PURSUITS**

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Rock climbing, hiking, backpacking, bikejoring, travel (Germany, Norway, Latin America, China, Canada), languages (German, Chinese, French, Spanish, Swahili), cross-country skiing, belly dancing, Irish dancing, writing, slacklining