

**JEFFERSON METZ FOX, Ph.D.**  
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### AREAS OF SPECIALIZATION

- Land cover/land-use change; climate variability, change, and risk
- Community-based management of natural resources
- Forest fragmentation and degradation
- Spatial information technologies and society

Over the past half century, Southeast Asia has witnessed a major shift from predominantly subsistence agrarian economies to industrialized societies. Growing urban populations and establishment of a number of regional megacities have accompanied these changes.

Simultaneously, the agricultural frontier has advanced as demand for land and resources from growing population, both within the sub region and from outside, has increased. My work links land-use and land-cover changes to macro-scale changes in the political economy of each country, and to local-scale impacts on different segments of the communities studied. I have examined the effect of climate change on land use and people's livelihoods; I have also been instrumental in establishing GIS/remote sensing laboratories in numerous universities and organizations across Southeast Asia.

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### PROFESSIONAL EXPERIENCE

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| Fellow/Senior Fellow               | October 1985 to present      |
| Director of Research               | August 2017 to May 2019      |
| Coordinator, Environmental Studies | August 2001 to July 2011     |
| Interim Director of Research       | January to December 2001     |
| Director, Program on Environment   | October 1997 to January 1999 |
- Current responsibilities include:  
Developing a research program that promotes an understanding of resource management issues in Asia; publishing research findings and emphasizing policy implications; writing grant proposals to fund research and the involvement of participants in research activities; and advising foreign and American graduate students.
  - Specific activities include:  
Maintaining affiliate graduate faculty status at the University of Hawaii in the departments of Geography, Anthropology, Urban and Regional Planning, and Environmental Studies and Resource Management. Supervising students doing independent readings, serving on Ph.D. committees, and working closely with joint and post-doctoral students.
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| Natural Resources and Environment Specialist   | 1983 to 1985          |
| Agricultural Development Council/Ford Foundation   | Yogyakarta, Indonesia |
| Taught remote sensing, land-use evaluation, natural resources planning and management, and statistics at Gadjah Mada University.                   |                       |
| Watershed Management Specialist  | 1980 to 1981          |
| United States Agency for International Development   | Kathmandu, Nepal      |
| Designed institutional framework for land management and outlined short- and long- term policies for managing the public lands of a study village. |                       |

Research Assistant 1977 to 1980  
Institute of Environmental Studies, University of Wisconsin Madison, Wisconsin  
Digitally enhanced aerial images, identified vegetation and geologic resources, and  
monitored watershed conditions.

### EDUCATION

Ph.D. University of Wisconsin-Madison. Development Studies, Land Tenure Center. 1983  
Thesis title: "Managing public lands in a subsistence economy: The perspective from a  
Nepali village."  
M.Sc. University of Wisconsin-Madison. Water Resources Management. 1978  
B.A. Grinnell College, Grinnell, Iowa. Biology. 1973

### PROFESSIONAL AFFILIATIONS

American Society for Photogrammetry and Remote Sensing, Association of American  
Geographers, Association of Asian Studies, Borneo Research Council, International Association  
for the Study of Common Property

### PROFESSIONAL SKILLS

Languages: English (mother tongue), Nepali, Bahasa Indonesia, some Khmer.  
Computer: GIS, word processing, statistics, database management.

### GRANTS

Generated \$10 million dollars in grants and contracts since 1990 from agencies representing  
university, government, and private foundations. Specific grants include:

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Forced and truncated agrarian transitions in Asia through the lens of field size change. January  
1, 2020 through December 31, 2022. NASA. \$321,542.  
The agrarian transition in Mainland Southeast Asia: Changes in rice farming—1995 to 2018.  
January 1, 2018 through December 31, 2020. NASA \$750,000  
Twenty-five years of community forestry: Mapping forest dynamics in the middle hills of Nepal.  
April 2015 through March 2018. NASA \$750,000.  
Forest, agricultural, and urban transitions in Mainland Southeast Asia: Synthesizing knowledge  
and developing theory. April 2014 through March 2017. NASA. \$750,000.  
Rural to urban transitions and the peri-urban interface: Identifying, mapping, and understanding  
peri-urban areas in India and Pakistan. U.S. Department of State. September 2011  
through August 2013. \$299,517 (P.I. Sumeet Saksena).  
Natural resource management, democracy, and human rights: Building capacity for community-  
based resource management, enhancing resource rights, and strengthening civil society  
in Kachin State. U.S. Department of State. June 2010 through June 2014. \$239,802.  
Coupled Natural-Human Systems and Emerging Infectious Diseases: Anthropogenic  
environmental change and avian influenza in Vietnam. U.S. National Science  
Foundation. August 2009 to July 2014. \$1,398,380.  
The expansion of rubber and its implications for water and carbon dynamics in Montane  
Mainland Southeast Asia. April 2008 to September 2013. NASA \$827,000.

Integrated Protected Area Co-management (IPAC) Project in Bangladesh, January 2009 to June 2013. International Resources Group and the United States Agency for International Development. \$302,017

Co-management of Tropical Forest Resources in Bangladesh. June 2005 to February 2008. International Resources Group and the United States Agency for International Development. \$189,926.

Understanding dynamic resource management systems and land cover transitions in Montane Mainland Southeast Asia. September 2004 to August 2007. U.S. National Science Foundation. \$550,000.

The role of land-cover change in montane mainland SE Asia in altering regional hydrological processes under a changing climate. October 2003 to September 2006. NASA \$900,000.

Natural resources and violent ethnic conflict in the Asia/Pacific region. April 2004 to May 2005. U.S. Institute for Peace. \$45,000.

Spatial information technology and society: Ethics, values, and practice. October 2002 to September 2004. National Science Foundation \$118,142 and Rockefeller Brothers Fund \$30,000.

Biocomplexity—Incubation Activity: Human actions and land-use/land-cover change. October 2000 to February 2003. National Science Foundation. \$100,000.

Mapping resource tenure in the Mekong Basin: Laos, Northern Thailand, and Yunnan. July 2000 to September 2002. Rockefeller Brothers Fund. \$80,000.

Mapping the landscape: Using spatial information to improve the management and development of protected areas. June 2000 to May 2002. Ford Foundation. \$121,000.

Building regional, national, and local capacities for community-based management of natural resources in Asia. July 1999 to August 2005. Ford Foundation. \$478,000.

Workshop on Adaptive Collaborative Management of Forest Resources. Center for International Forestry Research (CIFOR), October 1998 to October 1999. \$68,000.

Expanding the use of remotely sensed information for detecting and evaluating environmental change in Asia. National Aeronautics and Space Administration. October 1997 to September 1998. \$175, 500.

Influence of forest fragmentation on watershed functions in northern Vietnam. National Science Foundation. January 1997 to December 1998. \$413,749.

Spatial information, resource management, and landscape ecology, in Nusa Tenggara, Indonesia. Ford Foundation, Jakarta. January 1997 to December 1998. \$208,000.

Long-term land use and political economy in Angkor Borei, Takeo Province, Cambodia. University of Hawaii/East-West Center Collaborative Program. 1996. \$30,000.

Spatial information and natural resource management in Asia. Rockefeller Brothers Fund. March 1994 to June 1997. \$119,000.

Support for community management of government forestlands in Asia. Ford Foundation, New York City. January 1994 to December 1996. \$276,600.

Geographic information systems and social science data: The problem of spatial analysis. UH-EWC Collaborative Research Program. May 1993 to June 1994. \$14,500.

Support for social forestry programs in India and Nepal. Ford Foundation, New Delhi, India. May 1991 to September 1993. \$297,000.

Technical support for community management of government forest lands in Asia. Ford Foundation, Jakarta, Indonesia. August 1990 to September 1992. \$245,600.

Land-use practices in Northern Thailand: Impacts on landscape dynamics. A project in

collaboration with Chiang Mai University and Argonne National Laboratory. Funded by the U.S. Man and the Biosphere Program. May 1990. \$50,000.

## SELECTED PUBLICATIONS

### **Referred journal articles:**

- Shirai, Y., S. Leisz, J. Fox, J. and A.T. Rambo. 2019. Commuting distances to local non-farm workplaces and out-migration: The case of Northeast Thailand. *Asia Pacific Viewpoint*.
- Baird, I.G., W. Noseworthy, N.P., Tuyen, L.T., Ha, and J. Fox. 2019. Land grabs and labour: Vietnamese workers on rubber plantations in southern Laos. *Singapore Journal of Tropical Geography* 40 (1): 50-70.
- Hurni, K., J. Van Den Hoek and J. Fox. 2019. Assessing the spatial, spectral, and temporal consistency of topographically corrected Landsat time series composites across the mountainous forests of Nepal. *Remote Sensing of Environment*, 231, p.111225.
- Hurni, K. and J. Fox. 2018. The expansion of tree-based boom crops in Mainland Southeast Asia: 2001 to 2014. *Journal of Land Use Science* 13 (1-2): 198-219.
- Fox, J., T. Nghiem, K. Ham, K. Hurni, and I. G. Baird. 2018. Large-Scale Land Concessions, Migration, and Land Use: The Paradox of Industrial Estates in the Red River Delta of Vietnam and Rubber Plantations of Northeast Cambodia. *Land* 7 (2): 1-17.
- Saksena, S., C.C. Tran, and J. Fox. 2018. Household cooking fuel use in rural and peri-urban Viet Nam: A multilevel longitudinal analysis of supply side factors. *Energy for Sustainable Development* 44: .47-54.
- Nong, D.H., C.A. Lepczyk, T. Miura, and J.M. Fox. 2018. Quantifying urban growth patterns in Hanoi using landscape expansion modes and time series spatial metrics. *PloS one* 13(5): p.e0196940.
- Hurni, K., A. Schneider, A. Heinemann, D.H. Nong, D.H. and J. Fox. 2017. Mapping the Expansion of Boom Crops in Mainland Southeast Asia Using Dense Time Stacks of Landsat Data. *Remote Sensing* 9(4): 320-326.
- Finucane, M., T. Nghiem, S. Saksena, J.H. Spencer, J. Fox, L. Nguyen, D.T. Trinh, D.V. Tran and N.D. Lewis. 2017. Perceived Risk of Avian Influenza in Poultry and Urbanization in Northern Vietnam: Results from a Household Survey. *EcoHealth* 14:144-154.
- Shirai, Y., J. Fox, S.J. Leisz, H. Fukui, and A.T. Rambo. 2017. The Influence of Local Non-Farm Employment on Rural Household Structure in Northeast Thailand. *Journal of Rural Studies* 54: 52-59.
- Shirai, Y., S. Leisz, J. Fox, and A.T. Rambo. 2017. Rural household characteristics and agricultural activities in relation to local non-farm employment: A comparative study of two wet-rice-growing villages in Northeast Thailand. *Khon Kaen Agriculture Journal*: 45 (4): 721-730.
- Prescott, G. W., W. J. Sutherland, D. Aguirre, M. Baird, V. Bowman, J. Brunner, G. M. Connette, M. Cosier, D. Dapice, J.D.T. De Alban, A. Diment, J. Fogerite, J. Fox, W. Hlaing, S. Htun, J. Hurd, K. LaJeunesse Connette, F. Lasmana, C. Ling Lim, A. Lynam, A.C. Maung, B. McCarron, J.F. McCarthy, W.J. McShea, F. Momberg, M. Su Mon, T. Myint, R. Oberndorf, T. N. Oo, J. Phelps, M. Rao, D. Schmidt-Vogt, H. Speechly, O. Springate-Baginski, R. Steinmetz, K. Talbott, M.M. Than, T. L. Thaug, S. C. L. Thawng, K. M. Thein, S. Thein, R. Tizard, T. Whitten, G. Williams, T. Wilson, K. Woods, A. D. Ziegler, M. Zrust, and E. L. Webb. 2017. Political transition and emergent forest-conservation issues in Myanmar. *Conservation Biology* 31 (6): 1257-1270.

- Fox, J. 2018. Community forestry, labor migration, and agrarian change in a Nepali village: 1980 to 2010. *Journal of Peasant Studies* 45(3): 610-629..
- Giambelluca, T.W., R.G. Mudd, W. Liu, A.D. Ziegler, N. Kobayashi, T. Kumagai, Y. Miyazawa, T. K. Lim, M. Huang, J. Fox, S. Yin, S. V. Mak, P. Kasemsap. 2016. Evapotranspiration of rubber (*Hevea brasiliensis*) cultivated at two plantation sites in Southeast Asia. *Water Resources Journal*. DOI: 10.1002/2015WR017755
- Tran, C.C., J.F. Yanagida, S. Saksena and J. Fox. 2016. An Alternative Vaccination Approach for the Prevention of Highly Pathogenic Avian Influenza Subtype H5N1 in The Red River Delta, Vietnam—A Geospatial-Based Cost-Effectiveness Analysis. *Veterinary Sciences* 3 (1): 6-20.
- Saksena, S., J. Fox, M. Epprecht, C. C. Tran, D. H. Nong, J. H. Spencer, L. Nguyen, M. L. Finucane, V. D. Tran, and B. A. Wilcox. 2015. Evidence for the Convergence Model: the Emergence of Highly Pathogenic Avian Influenza (H5N1) in Viet Nam. *PLoS ONE* 10(9): e0138138. doi:10.1371/journal.pone.0138138.
- Ahrends, A., P. Hollingsworth, A. Ziegler, J. Fox, H. Chen, Y.Su, and J. Xu. 2015. Current trends of rubber plantation expansion may threaten biodiversity and livelihoods. *Global Environmental Change*. 34: 48-58
- Baird, I. and J. Fox. 2015. How land concessions affect places elsewhere: Telecoupling, political ecology, and large scale plantations in Southern and Laos and Northeast Cambodia. *Land* (4): 436-453.
- Nong, D.H., J.Fox, and T. Miura. 2015. Built-up Area Change Analysis in Hanoi using Support Vector Machine Classification of Landsat Multi-temporal Image Stacks and Population Data. *Land* 4(4): 1213-1231.
- Kumagai, T., R.G. Mudd, T. Giambelluca, N. Kobayashi, Y. Miyazawa, T. K. Lim, W. Liu, M. Huang, J. Fox, A. Ziegler, S. Yin, S. V. Mak, P. Kasemsap. 2015. How do rubber (*Hevea brasiliensis*) plantations behave under seasonal water stress in northeastern Thailand and central Cambodia? *Agricultural and Forest Meteorology*. 213: 10-22.
- Fox, J. 2014. Through the technology lens: The expansion of rubber and its implications in Montane Mainland Southeast Asia. Vandergeest, P. and S. Gururani (Eds.) Special Issue on Changing Frontiers of Ecological Knowledges in Asia. *Conservation and Society*. 12 (4): 418-424.
- Fox, J., J-C. Castella, A. D. Ziegler, and S. B. Westley. 2014. Expansion of rubber monocropping and its implications for the resilience of ecosystems in the face of climate change in Montane Mainland Southeast Asia. *Global Environmental Research* 18 (2):145-150.
- Fox, J., J.C. Castella, and A. Ziegler. 2014. Swidden, Rubber and Carbon: Can REDD+ work for people and the environment in Montane Mainland Southeast Asia? *Global Environmental Change* 29:318-326.
- Castrence, M., D. Nong, C. Tran, L. Young, and J. Fox. 2014. Mapping Urban Transitions Using Multi-Temporal Landsat and Dmsp-Ols Night-Time Lights Imagery of the Red River Delta in Vietnam. *Land* 3(1): 148-66.
- Choenkwan, S., J. Fox, and A.T. Rambo. 2014. Agriculture in the Mountains of Northeastern Thailand: Current Situation and Prospects for Development. *Mountain Research and Development*. 34(2): 95-106.
- Finucane, M.L., Nghiem, T., Saksena, S. Nguyen, L., Fox, J.M., Spencer, J. H., Trinh Dinh, T. 2014. An Exploration of How Perceptions of the Risk of Avian Influenza in Poultry Relate to Urbanization in Vietnam. *EcoHealth*. DOI: 10.1007/s10393-014-0906-2.

- Herrmann, S. and Fox, J.M., 2014. Assessment of rural livelihoods in South-West China based on environmental, economic, and social indicators. *Ecological Indicators* 36:746-748.
- Kontgis, C., A. Schneider, J. Fox, S. Saksena, J. Spencer, M. Castrence. 2014. Monitoring peri-urbanization in the greater Ho Chi Minh city metropolitan area. *Applied Geography* 53: 377-388.
- Saksena, S., J. Fox, J. Spencer, M. Castrence, M. DiGregorio, M. Epprecht, N. Sultana, M. Finucane, L. Nguyen T.D. Vien. 2014. Classifying and Mapping the Urban Transition in Vietnam. *Applied Geography* 50: 80-89.
- Ziegler, A. D., S.G. Benner, C. Tantasirin, S.H. Wood, R.A. Sutherland, R. C. Sidle, R. C., N. Jachowski, M.A. Nullet, L. X. Xi, A. Snidvongs, T. W. Giambelluca, and J.M. Fox. 2014. Turbidity-based sediment monitoring in northern Thailand: Hysteresis, variability, and uncertainty. *Journal of Hydrology*. 519: 2020-2039.
- Fox, J. and J. C. Castella. 2013. Expansion of rubber (*Hevea brasiliensis*) in mainland Southeast Asia: What are the prospects for small holders? *Journal of Peasant Studies*.40 (1): 155-170.
- Tran, C.C., R. S. Yost, J.F. Yanagida, S. Saksena, J. Fox and N. Sultana. 2013. Spatio-Temporal Occurrence Modeling of Highly Pathogenic Avian Influenza Subtype H5N1: A Case Study in the Red River Delta, Vietnam. *ISPRS International Journal of Geo-Information* 2: 1106-1121.
- Sen, O.L., D. Bozkurt, J.B. Vogler, J. Fox, T.W. Giambelluca and A.D. Ziegler. 2012. Hydro-climatic effects of future land-cover and land-use change in Montane Mainland Southeast Asia. *Climate Change*. DOI 10.1007/s10584-012-0632-0
- Fox, J., J.B. Vogler, O.L. Sen, T. Giambelluca, and A. Ziegler. 2012. Simulating land-cover change in Montane Mainland Southeast Asia. *Environmental Management* 49 (4): 968-979. [http://dx.DOI 10.1007/s00267-012-9828-3](http://dx.doi.org/10.1007/s00267-012-9828-3).
- Ziegler, A.D., J. Phelps, J.Q. Yuen, E.L. Webb, D. Lawrence, J.M. Fox, T.B. Bruun, S.J. Leisz, C. Ryan, W. Dressler, O. Mertz, U. Pascual, C. Padoch, L.P. Koh . 2012. Carbon outcomes of major land-cover transitions in SE Asia: Great uncertainties and REDD+ policy implications. *Global Change Biology*. doi: 10.1111/j.1365-2486.2012.02747.x
- van Vliet, N. O. Mertz, A. Heinimann, T. Langanke, U. Pascual, B. Schmook, C. Adams, D. Schmidt-Vogt, P. Messerli, S. Leisz, J.C. Castella, L. Jørgensen, T. Birch-Thomsen, C. Hett, T. Bech-Bruun, A. Ickowitz, K. C. Vu, K. Yasuyuki, J.Fox, C. Padoch, W. Dressler, A. D. Ziegler. 2012. Trends, drivers and impacts of changes in swidden cultivation in tropical forest-agriculture frontiers: A global assessment. *Global Environmental Change* 22 (2): 418-429. <http://dx.doi.org/10.1016/j.gloenvcha.2011.10.009>
- Mukul, S.A., A.M. Rashid, S.A. Quazi, M.B. Uddin, and J. Fox. 2012. Local peoples' responses to comanagement regime in protected areas: A case study from Satchari National Park, Bangladesh. *Forests, Trees and Livelihoods* 21(1): 16-29. DOI:10.1080/14728028.2012.669132.
- Fox J, J.C. Castella and A.D. Ziegler. 2011. Swidden, Rubber and Carbon: Can REDD+ work for people and the environment in Montane Mainland Southeast Asia? CCAFS Working Paper no. 9. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). Copenhagen, Denmark. Available online at: [www.ccafs.cgiar.org](http://www.ccafs.cgiar.org).
- Li, Z. and J. Fox. 2011. Mapping rubber tree growth in mainland Southeast Asia using time-series MODIS 250 m NDVI and statistical data *Applied Geography* 32: 420-432.

- Evans, T.P., K. Phanvilay, J. Fox, and J. Vogler. 2011. An agent-based model of agricultural innovation, land-cover change and household inequality: the transition from swidden cultivation to rubber plantations in Laos PDR. *Journal of Land Use Science*.
- Li, Z. and J. Fox. 2011. Rubber Tree Distribution Mapping in Northeast Thailand. *International Journal of Geosciences* 2: 573-584. <http://dx.doi.org/10.4236/ijg.2011.24060>
- Li, Z. and J. Fox. 2010. Integrating Mahalanobis typicalities with a neural network for rubber distribution mapping. *Remote Sensing Letters* 2(2): 157-166. First published on:13 October 2010. <http://dx.doi.org/10.1080/01431161.2010.505589>
- Ziegler, A.D., J.M. Fox, E.L. Webb, C. Padoch, S. Leisz, R. A. Cramb, O. Mertz, T.B. Brunn, and Tran Duc Vien. 2011. Recognizing Contemporary Roles of Swidden Agriculture in Transforming Landscapes of Southeast Asia. *Conservation Biology*, 25 (4): 846–848.
- Cuo, L., J. Vogler, J. Fox. 2010. Topographic normalization for improving vegetation classification in a mountainous watershed in Northern Thailand. *International Journal of Remote Sensing*.
- Mukul, S.A., M.B. Uddin, A.Z.M. Rashid, and J. Fox. 2010. Integrating livelihoods and conservation in protected areas: Understanding the role and stakeholder views on prospects for non-timber forest products, a Bangladesh case study. *International Journal of Sustainable Development & World Ecology* 17(2):180-188.
- Fox, J., J. Vogler, and M. Poffenberger. 2009. Understanding changes in land and forest resource management systems: Ratanakiri, Cambodia. *Southeast Asian Studies* 47(3):309-329.
- Fox, J., Y. Fujita, D. Ngidang, N. Peluso, L. Potter, N.Sakuntaladewi, J. Sturgeon and D. Thomas. 2009. Policies, Political-Economy, and Swidden in Southeast Asia. *Human Ecology*. 37 (3) 305-322. <http://springerlink.com/content/67302684057020m1/fulltext.pdf>
- Mertz, O., C. Padoch, J. Fox, R. A. Cramb, S. J. Leisz, T. L. Nguyen, and D. V. Tran. 2009. Swidden Change in Southeast Asia: Understanding Causes and Consequences. *Human Ecology*. 37 (3): 259-264.
- Ziegler, A.D., J. Fox and J. Xu. 2009. The Rubber Juggernaut. *Science* 324: 1024-1025.
- Fox, J. and A. Swamy. 2008. Introduction: Natural resources and ethnic conflicts in Asia Pacific. *Asia Pacific Viewpoint*, 49 (1): 1-11.
- Rindfuss, R., B. Entwisle, S. Walsh, Li An, N. Badenoch, D. Brown, P. Deadman, Tom Evans, J. Fox, J. Geoghegan, M. Gutmann, M. Kelly, M. Linderman, J. Liu, G. Malanson, C. Mena, J. Messina, E. Moran, D. Parker, W. Parton, P. Prasartkul, D. Robinson, Y. Sawangdee, L. VanWey, P. Verburg, and Gang Zhong. 2008. Land Use Change: Complexity and Comparisons. *Journal of Land Use Science* 3(1): 1:10.
- Fox, J., P. Herschock, K. Suryanata, and A. Pramono. 2007. Socio-ethical dimensions of spatial information technology. *GIS Development* 11 (8): 34-36.
- Padoch, C. K. Coffey, O. Mertz, s. Leisz, J. Fox and R. Wadley. 2007. The demise of swidden in Southeast Asia? Local realities and regional ambiguities. *Danish Journal of Geography*. 107(1): 29-42.
- Ziegler, A., T. Giambelluca, D. Plondke, S. Leisz, L. Tran, J. Fox, M. Nullet, J. Vogler, D. M. Troung, T.D. Vien. 2007. Hydrological consequences of landscape fragmentation in mountainous northern Vietnam: Buffering of Hortonian overland flow. *Journal of Hydrology* 337:52-67.
- Xu, J., Y. Yang, J. Fox, and X. Yang. 2007. Forest transition, its causes and environmental consequences: empirical evidence from Yunnan of Southwest China. *Tropical Ecology*, 48(2): 137-150.

- Xu, J., J. Fox, D. Melick, Y. Fujita, A. Jintrawet, Q. Jie, D. Thomas, and H. Weyerhaeuser. 2006. Land use transition, livelihoods, and environmental services in Montane Mainland Southeast Asia. *Mountain Research and Development* 26(3):278-284.
- Kapan, D., S. Bennett, B. Ellis, J. Fox, N. Lewis, J. Spencer, S. Saksena, and B. Wilson. 2006. Avian influenza (H5N1) and the evolutionary and social ecology of infectious disease emergence. *EcoHealth* 3(3): 187-194.
- Fox, J. and J. Vogler. 2005. Land-use and Land-cover Change in Montane Mainland Southeast Asia. *Environmental Management*. 36 (3): 394-403.
- Thongmanivong, S., Y. Fujita, and J. Fox. 2005. Resource Use Dynamics and Land-Cover Change in Ang Nhai Village and Phou Phanang National Reserve Forest, Lao PDR. *Environmental Management*: 36 (3): 382-393.
- Xu Jianchu, J. Fox, Zhang Peifang, Fu Yongshou, Yang Lixin, Qian Jie, S. Leisz and J. Vogler. 2005. Land-use/land-cover change and farmer vulnerability in Xishuangbanna. *Environmental Management*. 36 (3): 404-413.
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- Ziegler, A.D., T.W. Giambelluca, L.T. Tran, T.T. Vana, M.A. Nullet, J. Fox, T.D. Vien, J. Pinthong, J.F. Maxwell, S. Evett. 2003. Hydrological consequences of landscape fragmentation in mountainous northern Vietnam: Evidence of accelerated overland flow generation. *Journal of Hydrology* 287(1-4): 124-146.
- Vandergeest, P., K. Phanvilay, Y. Fujita, J. Fox, P. Hirsch, P. Van Esterik, C. Withayapak, and S. Tyler. 2003. Flexible networking in research capacity building at the National University of Laos: Lessons for North-South collaboration. *Canadian Journal of Development Studies*, XXIV (1): 119-135.
- Fox, J. 2002. Siam mapped and mapping in Cambodia: Boundaries, sovereignty, and indigenous conceptions of space. *Society and Natural Resources* 15:65-78.
- Myers, N., J. Fox, T.A. Rambo, Dao Minh Truong, Nghiem Phuong Tuyen, Le Trong Cuc and S. Leisz. 2000. Shifting versus shifted cultivators. *BioScience* 50(10): 846-846.
- Fox J., Dao Minh Truong, A Terry Rambo, Nghiem Phuong Tuyen, Le Trong Cuc, and Stephen Leisz. 2000. Shifting cultivation: A new old paradigm for managing tropical forests. *BioScience* 50 (6): 521-528.
- Fox, J., and J. Ledgerwood. 1999. Dry season flood-recession rice in the Mekong delta: Two thousand years of sustainable agriculture? *Asian Perspectives* 38(1):37-50.
- Long Chun-lin, Jefferson Fox, Lu Xing, Gao Lihong, Cai Kui, and Wang Jieru. 1999. State policies, markets, land-use practices, and common property: Fifty years of change in Yunnan, China. *Mountain Research and Development* 19(2):133-139.
- Xu Jianchu, Jefferson Fox, Lu Xing, Nancy Podger, Stephen Leisz & Ai Xihui. Effects of swidden cultivation, population growth, and state policies on land cover in Yunnan, China. 1999. *Mountain Research and Development* 19(2):123-132.
- Giambelluca, T., Jefferson Fox, S. Yarnasarn, P. Onibutr, M. Nullet. 1999. Dry-season radiation balance of land covers replacing forest in northern Thailand. *Agricultural and Forest Meteorology*. 95(1): 53-65.
- Fox, J. 1998. Mapping the commons. The social context of spatial information technologies. *The Common Property Resource Digest*. No 45:1-4.
- Fox, J., and K. Atok. 1997. Forest-dweller demographics in West Kalimantan, Indonesia. *Environmental Conservation* 24(1):31-37.



- Fox, J., P. Yonzon, and N. Podger. 1996. Mapping conflicts between biodiversity and human needs in Langtang National Park. *Conservation Biology* 10(2):562-569.
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