

**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 the establishment of several regional megacities have accompanied these changes.

Simultaneously, the agricultural frontier has advanced as demand for land and resources from the 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**

Fellow/Senior Fellow	October 1985 to present
Acting Director of Research	December 2020 to June 2023
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
<ul style="list-style-type: none"><li>• 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.</li><li>• Specific activities include: Maintaining affiliate graduate faculty status at the University of Hawaii in the departments of Geography and Natural Resources and Environmental Management. Supervising students doing independent readings, serving on Ph.D. committees, and working closely with joint and post-doctoral students.</li></ul>	
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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Vulnerable Deltas in Southeast Asia: Climate Change, Water Pollution, and Socio-Economic Transformation. July 1, 2022, through December 31, 2028. Luce Foundation. \$945,000.

The LuceSEA Transitions: Environment, Society and Change Project. January 1, 2021, through December 31, 2026. Luce Foundation. Subcontract from the University of Hawaii Center for Southeast Asia Studies. \$96,092.

Forced and truncated agrarian transitions in Asia through the lens of field size change. January 1, 2020 through December 31, 2023. NASA. \$321,542.

The agrarian transition in Mainland Southeast Asia: Changes in rice farming—1995 to 2018. January 1, 2018 through December 31, 2022. NASA \$750,000

Twenty-five years of community forestry: Mapping forest dynamics in the middle hills of Nepal. April 2015 through March 2020. 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 Saxena).

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:**

- Promkhambut, A., Polthanee, A., Simma, B., Fox, J., and Rambo, A.T. 2023. Reconfiguring Farming Systems of Smallholders with Market-Led Approach: A Case Study in Northeast Thailand. *Sustainability*, 15(16), p.12144.
- Promkhambut, A., Yokying, P., Woods, K., Fisher, M., Yong, M.L., Manorom, K., Baird, I.G. and Fox, J. 2023. Rethinking agrarian transition in Southeast Asia through rice farming in Thailand. *World Development*, 169, p.106309.
- Yokying, P., Saksena, S., Fox, J. 2023. Impacts of migration on time allocation of those who remain at home in rural Nepal. *Journal of International Development*, <https://doi.org/10.1002/jid.3765>.
- Smith, A.C., Hurni, K., Fox, J. and Van Den Hoek, J. 2023. Community forest management led to rapid local forest gain in Nepal: A 29 year mixed methods retrospective case study. *Land Use Policy*, 126, p.106526.
- Chhetri, R., Yokying, P., Smith, A., Van Den Hoek, J., Hurni, K., Saksena, S. and Fox, J. 2023. Forest, agriculture, and migration: Contemplating the future of forestry and agriculture in the middle-hills of Nepal. *The journal of peasant studies*, 50(1), pp.411-433.
- Jantakat, Y., J. Fox, and P. Juntakut, P. 2022. Mapping forest types using ecological niche modeling and fuzzy accuracy assessment in Thailand. *Science, Engineering and Health Studies*, pp.22020011-22020011.
- Yan, L., D. P. Roy, A. Promkhambut, J. Fox, and Y. Zhai. 2022. Automated extraction of aquaculture ponds from Sentinel-2 seasonal imagery—A validated case study in central Thailand. *Science of Remote Sensing* 6: 100063. <https://doi.org/10.1016/j.srs.2022.100063>
- Van Den Hoek, J., A. C. Smith, K. Hurni, S. Saksena, and J. Fox. 2021. Shedding New Light on Mountainous Forest Growth: A cross-scale evaluation of the effects of topographic illumination correction on 25 years of forest cover change across Nepal. *Remote Sensing* 13: 2131. <https://doi.org/10.3390/rs13112131>
- Nong, D. H., J. M. Fox, S. Saksena, S., and C.A. Lepczyk. 2021. The Use of Spatial Metrics and Population Data in Mapping the Rural-Urban Transition and Exploring Models of Urban Growth in Hanoi, Vietnam. *Environment and Urbanization ASIA*. 12:1, 156–168. <https://doi.org/10.1177/0975425321997785>
- Fox, J., P. Yokying, N.S. Paudel, and R. Chhetri. 2020. Another possible cost of COVID-19: Returning workers may lead to deforestation in Nepal. *East-West Wire*. August 2020.
- Fox, J., A. Promkhambut, and P. Yokying. 2020. Impact of COVID-19 on Rice Farmers in Southeast Asia. *East-West Wire*. July 2020.
- Spencer, J.H., S. Saksena, and J. Fox. New Findings on Links between Urban Expansion and Viral Disease in Vietnam Offer Lessons for COVID-19. *East-West Wire*. April 2020.
- Frazier, A.G., M.F. Stuecker, K. Nelson, B.T. Yen, B.P. Sander, J.M. Fox, A., Promkhambut, M.B. Kantar, and D.R. Wang. 2020. Climate Variability and Rice Production in Mainland Southeast Asia. *AGU Fall Meeting Abstracts 2020*: GC071-0001.

- Hurni, K., Van Den Hoek, J. and Fox, J., 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.
- Spencer, J.H., M.L. Finucane, J.M. Fox, S. Saksena, and N. Sultana. 2019. Emerging Infectious Disease, the Household Built Environment Characteristics, and Urban Planning: Evidence on Avian Influenza in Viet Nam. *Landscape and urban planning*.
- Fox, J., S., Saksena, K., Hurni, J., Van Den Hoek, A.C., Smith, R., Chhetri, and P. Sharma. 2019. Mapping and Understanding Changes in Tree Cover in Nepal: 1992 to 2016. *Journal of Forest and Livelihood* 18 (1): 1-11.
- 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*.
- Baird, I.G., W. Noseworthy, T.P. Nghiem, T.H. Le, and J. Fox. 2019. Labor and Land Grabs: Vietnamese Workers on Rubber Plantations in Southern Laos. *Singapore Journal of Tropical Geography*.
- 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*.
- 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.
- 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.
- 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. Heinimann, 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. Thaung, 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.
- 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 Knowledge 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.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.
- Leisz, S.J., K. Yasuyuki, J., Fox, Y., Masayuki, and T.A. Rambo. 2009. Land use changes in the uplands of Southeast Asia: proximate and distant causes. *Southeast Asian Studies*. 47(3): 237-243.
- 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.



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