

Journal articles

“Towards smart foodsheds: Using stakeholder engagement to improve informatics frameworks for regional food systems.” AD Hollander, C Hoy, PR Huber, A Hyder, MC Lange, A Latham, S Lewis, JF Quinn, C Riggle, TP Tomich. “Smart Spaces and Places” 2019. Special Issue of the *Annals of the American Association of Geographers*
<https://doi.org/10.1080/24694452.2019.1662764>

“Food loss and waste: measurement, drivers, and solutions.” ES Spang, Y Achmon, I Donis-Gonzalez, W Gosliner, M Jablonski-Sheffield, M Abdul Momin, L Moreno, S Pace, T Qusted, K Winans, TP Tomich. 2019. *Annual Review of Environment and Resources* 44: 117-156
<https://doi.org/10.1146/annurev-environ-101718-033228>

“A world of co-benefits: Solving the global nitrogen challenge.” BZ Houlton, M. Almaraz, V Aneja, AT Austin, E Bai, KG Cassman, JE Compton, EA Davidson, JW Erisman, JN Galloway, B Gu, F Yao, LA Martinelli, K Scow, WH Schlesinger, TP Tomich, C Wang, X. Zhang. 2019. *Earth’s Future* 7(8): 865-872 <https://doi.org/10.1029/2019EF001222>

“Agri-food systems in international research for development: Ten theses regarding impact pathways, partnerships, program design, and priority-setting for rural prosperity.” TP Tomich, P Lidder, J Dijkman, M Coley, P Webb, M Gill. 2019. *Agricultural Systems* 172 (2019): 101-110. <https://doi.org/10.1016/j.agsy.2018.12.004>

“Food and agricultural innovation pathways for prosperity.” TP Tomich, P Lidder, M Coley, D Gollin, R Meinzen-Dick, P Webb, P Carberry. 2019. *Agricultural Systems* 172 (2019): 1-15. <https://doi.org/10.1016/j.agsy.2018.01.002>

“The Century Experiment: the first 20 years of UC Davis’ Mediterranean agroecological experiment.” K Wolf, E Torbert, D Bryant, M Burger, R.F. Denison, I Herrera, J Hopmans, W Horwath, S Kaffka, A Kong, R Norris, J Six, TP Tomich, KM Scow. 2018. *Ecology* 99(2):530. DOI:10.1002/ecy.2105

“Long-term agricultural experiments inform the development of climate-smart agricultural practices.” K Wolf, I Herrera, TP Tomich, K Scow. 2017. *California Agriculture* 71(3): 120-124. <https://doi.org/10.3733/ca.2017a0022>

“Sustainable sourcing of global agricultural raw materials: assessing gaps in key impact and vulnerability issues and indicators.” NP Springer, K Garbach, K Guillozet, VR Haden, P Hedao, AD Hollander, PR Huber, C Ingersoll, M Langer, G Lipari, Y Mohammadi, R Musker, M Piatto, C Riggle, M Schweisguth, E Sin, S Snider, N Vidic, A White, S Brodt, JF Quinn, TP Tomich. 2015. *PLoS ONE* 10(6): e0128752. doi:10.1371/journal.pone.0128752

“Indicators of global sustainable sourcing as a set covering problem: an integrated approach to sustainability.” PR Huber, NP Springer, AD Hollander, VR Haden, S Brodt, TP Tomich, and JF Quinn. 2015. *Ecosystem Health and Sustainability* 1(2):7.
<http://dx.doi.org/10.1890/EHS14-0008.1>

Thomas P. Tomich: *Publications list*

“Agriculture’s contribution to nitrate contamination of California groundwater (1945 to 2005).” TS Rosenstock, D Liptzin, K Dzurella, A Fryjoff-Hung, AD Hollander, V Jensen, A King, G Kourakos, A McNally, GS Pettygrove, JF Quinn, JH Viers, TP Tomich, T Harter. 2014. *Journal of Environmental Quality* 43(3): 895-907

“Nitrogen fertilizer use in California: assessing the data, trends and a way forward.” TS Rosenstock, D Liptzin, JW Six, and TP Tomich. *California Agriculture* 67(1):68-79. DOI: 10.3733/ca.E.v067n01p68. January-March 2013.

“Payments for environmental services (PES): evolution toward efficient and fair incentives for multifunctional landscapes.” M van Noordwijk, B Leimona, R Jindal, G Villamor, M Vardhan, S Namirembe, D Catacutan, J Kerr, and TP Tomich. 2012. *Annual Review of Environment and Resources* 37: 389-420. DOI: 10.1146/annurev-environ-042511-150526

“Effective monitoring of agriculture: a response.” JD Sachs, R Remans, SM Smukler, L Winowiecki, SJ Andelman, KG Cassman, D Castle, R DeFries, G Denning, J Fanzo, LE Jackson, R Leemans, J Lehmann, JC Milder, S Naeem, G Nziguheba, CA Palm, PL Pingali, JP Reganold, DD Richter, SJ Scherr, J Sircely, C Sullivan, TP Tomich, and PA Sanchez. 2012. *Journal of Environmental Monitoring* 14 (3):738-742.

“Boundary work in research programs for sustainable development: natural resource management at the Consultative Group on International Agricultural Research CGIAR.” WC Clark, TP Tomich, M van Noordwijk, NM Dickson, D Catacutan, D Guston, and E McNie. Published online 2011; subsequently published in issue 25 April 2016. *Proceedings of the National Academy of Sciences USA* DOI 10.1073/pnas.0900231108

“Agroecology: a review from a global change perspective.” TP Tomich, S Brodt, H Ferris, R Galt, W Horwath, E Kebreab, J Leveau, D Liptzin, M Lubell, P Merel, R Michelmore T Rosenstock, K Scow, J Six, N Williams, and L Yang. 2011. *Annual Review of Environment and Resources* 36:193-222. DOI 10.1146/annurev-environ-012110-121302

“Case study on potential agricultural responses to climate change in a California landscape.” LE Jackson, SM Wheeler, AD Hollander, AT O’Geen, BS Orlove, J Six, DA Sumner, F Santos-Martin, JB Kramer, WR Horwath, RE Howitt, and TP Tomich. 2011. *Climatic Change* 109 (Suppl 1):S407-S427. DOI 10.1007/s10584-011-0306-3

“Modeling the performance of the anaerobic-phased solids digester system for biogas energy production.” JL Rapport, R Zhang, BM Jenkins, BR Hartsough, and TP Tomich. 2011. *Biomass and Bioenergy* 35: 1263-72.

“The top 100 questions of importance to the future of global agriculture.” J Pretty, WJ Sutherland, J Ashby, J Auburn, D Baulcombe, M Bell, J Bentley, S Bickersteth, K Brown, J Burke, H Campbell, K Chen, E Crowley, I Crute, D Dobbelaere, G Edwards-Jones, F Funes-Monzote, HCJ Godfray, M Griffon, P Gypmantisiri, L Haddad, S Halavatau, H Herren, M

Thomas P. Tomich: *Publications list*

Holderness, A-M Izac, M Jones, P Koohafkan, R Lal, T Lang, J McNeely, A Mueller, N Nisbett, A Noble, P Pingali, Y Pinto, R Rabbinge, NH Ravindranath, A Rola, N Roling, C Sage, W Settle, JM Sha, L Shiming, T Simons, P Smith, K Strzepeck, H Swaine, E Terry, TP Tomich, C Toulmin, E Trigo, S Twomlow, J Kees Vis, J Wilson, and S Pilgrim. 2010. *International Journal of Agricultural Sustainability* 8 (4): 219-236.

“Monitoring the world’s agriculture.” JD Sachs, R Remans, S Smuckler, L Winowiecki, SJ Andelman, KG Cassman, D Castle, R DeFries, G Denning, J Fanzo, LE Jackson, R Leemans, J Lehmann, JC Milder, S Naeem, G Nziguheba, CA Palm, PL Pingali, JP Reganold, DD Richter, SJ Scherr, J Sircely, C Sullivan, TP Tomich, and PA Sanchez. 2010. *Nature* 466 (29): 558-560.

“Integrative science in practice: process perspectives from ASB, the Partnership for the Tropical Forest Margins.” TP Tomich, D Timmer, JC Alegre, V Areskoug, D Cash, A Cattaneo, P Ericksen, L Joshi, J Kasyoki, C Legg, M Locatelli, D Murdiyarso, C Palm, R Porro, A Rescia Perazzo, A Salazar-Vega, M van Noordwijk, SJ Velarde, S Weise and D White. 2007. *Agriculture Ecosystems and Environment* 121 (3): 269-286.

“Climate change: linking adaptation and mitigation through agroforestry.” L Verchot, M van Noordwijk, S Kandji, TP Tomich, C Ong, A Albrecht, J Mackensen, C Bantilan, KV Anupama, and CA Palm. 2007. *Mitigation and Adaptation Strategies for Global Change* 12 (5): 901-918.

“Policy implications of a pan-tropic assessment of the simultaneous hydrological and biodiversity impacts of deforestation.” EM Douglas, S Wood, K Sebastian, CJ Vörösmarty, KM Chomitz, and TP Tomich. 2007. *Water Resources Management* 21 (1): 211-232

“Fire, people, and pixels: linking remote sensing and social science to understand underlying causes and impacts of fires in Indonesia.” R Dennis, J Mayer, GB Applegate, U Chokkalingam, CJP Colfer, I Kurniawan, H Lawkowski, P Maus, RP Permana, Y Ruchiat, F Stolle, S Suyanto, and TP Tomich. 2005. *Human Ecology* 33(4): 465-504.

“Impact of cropping methods on biodiversity in coffee agroecosystems: Sumatra, Indonesia.” AN Gillison, N Liswanti, S Budidarsono, M van Noordwijk, and TP Tomich. 2004. *Ecology and Society* 9(2): 7. URL: <http://www.ecologyandsociety.org/vol9/iss2/art7>

“On bridging gaps.” TP Tomich, M van Noordwijk, and DE Thomas. 2004. Editorial. *Agriculture, Ecosystems and Environment* 104 (1):1-3.

“Policy analysis and environmental services at different scales: asking the right questions.” TP Tomich, H Arocena-Francisco, K Chomitz, A-M Izac, D Murdiyarso, B Ratner, DE Thomas, and M van Noordwijk. 2004. *Agriculture, Ecosystems and Environment* 104 (1): 5-18.

“Environmental services and land use change in Southeast Asia: from recognition to regulation or reward?” TP Tomich, DE Thomas and M van Noordwijk, 2004. *Agriculture, Ecosystems & Environment* 104 (1): 229-244.

Thomas P. Tomich: *Publications list*

“Mitigating GHG emissions in the humid tropics: case studies from the Alternatives to Slash and Burn Program.” CA Palm, TP Tomich, M van Noordwijk, S Vosti, J Gockowski, J Alegre, and L Verchot. 2004. *Environment, Development and Sustainability* 6: 145-162.

“Land use and vegetation fires in Jambi Province, Sumatra, Indonesia.” F Stolle, KM Chomitz, EF Lambin, and TP Tomich. 2003. *Forest Ecology and Management* 179 (1-3): 277-292.

“Environmental benefits and sustainable land-use options in the Jambi Transect, Sumatra, Indonesia.” D Murdiyarso, M van Noordwijk, UR Wasrin, TP Tomich, and A Gillison. 2002. *Journal of Vegetation Science* 13: 429-438.

“Carbon offsets for conservation and development in Indonesia?” TP Tomich, H de Foresta, R Dennis, Q Ketterings, D Murdiyarso, C Palm, F Stolle, S Suyanto, and M van Noordwijk. 2002. *American Journal of Alternative Agriculture* 17(3): 125-137.

“Negotiation support models for integrated natural resource management in tropical forest margins.” M van Noordwijk, TP Tomich, and B Verbist. 2001. *Conservation Ecology* 5(2)
URL: <http://www.consecol.org/vol5/iss2/art21>.

“Evolution of land tenure institutions and development of agroforestry: evidence from customary land areas of Sumatra.” K Otsuka, S Suyanto, T Sonobe, and TP Tomich. 2001. *Agricultural Economics* 25: 85-101.

“Land tenure and farm management efficiency: the case of smallholder rubber production in customary land areas of Sumatra.” S Suyanto, TP Tomich, and K Otsuka. 2001. *Agroforestry Systems* 52: 145-160.

“Land tenure and farm management efficiency: the case of paddy and cinnamon production in customary land areas of Sumatra.” S Suyanto, TP Tomich, and K Otsuka. 2001. *Australian Journal of Agricultural and Resource Economics* 45 (3): 411-436.

“The 1997-1998 fire event in Indonesia.” F Stolle and TP Tomich. 1999. *Nature and Resources* 35 (3): 22-30.

“Agricultural development *with* rainforest conservation: methods for seeking *best bet* alternatives to slash-and-burn, with applications to Brazil and Indonesia.” TP Tomich, M van Noordwijk, S Vosti, and J Witcover. 1998. *Agricultural Economics* 19: 159-174. Reprinted in *The Economic Development of Southeast Asia*. Hal Hill, ed., Cheltenham, UK: Edward Elgar Publishing.

“Policy research for sustainable upland systems in Southeast Asia.” TP Tomich, DE Thomas, and M van Noordwijk. 1998. *Agroforestry Today* 10(2): 23-25.

Thomas P. Tomich: *Publications list*

"A policy breakthrough for Indonesian farmers in the Krui Damar agroforests." C Fay, H de Foresta, M Sirait, and TP Tomich. 1998. *Agroforestry Today* 10(2): 25-26.

"Imperata economics and policy." TP Tomich, J Kuusipalo, K Menz, and N Byron. 1996-97. *Agroforestry Systems* 36(1-3): 233-261.

"Indonesia's fires: smoke as a problem, smoke as a symptom." TP Tomich, AM Fagi, H de Foresta, G Michon, D Murdiyarto, F Stolle, and M van Noordwijk. 1998. *Agroforestry Today* 10(1): 4-7.

"To segregate or to integrate? The question of balance between production and biodiversity conservation in complex agroforestry systems." M van Noordwijk, TP Tomich, H de Foresta, and G Michon. 1997. *Agroforestry Today* 9(1): 6-9.

"Soil and other constraints to agricultural production with or without trees in the North Lampung benchmark area of the 'Alternatives to Slash and Burn' Project." M van Noordwijk, B Lusiana, S Suyanto, and TP Tomich. 1996. *Agrivita* 19 (4): 136-145.

"Evolution of palm oil trade policy in Indonesia, 1978-1991." TP Tomich and MS Mawardi. 1995. *Elaeis: Journal of the Palm Oil Research Institute of Malaysia* 7(1):87-102.

"Survey of recent developments." TP Tomich. 1992. *Bulletin of Indonesian Economic Studies* 28(3): 3-39.

"Sustaining agricultural development in harsh environments: insights from private land reclamation in Egypt." TP Tomich. 1992. *World Development* 20(2): 261-274.

"Indonesian agricultural development: the awkward case of smallholder tree crops." C Barlow and TP Tomich. 1991. *Bulletin of Indonesian Economic Studies* 27(3): 29-53.

"Private land reclamation in Egypt: development policy and project design." TP Tomich and CH Gotsch. 1987. *Food Research Institute Studies* 20(2): 107-139.

"Agricultural strategies and agrarian structure." BF Johnston and TP Tomich. 1985. *Asian Development Review* 3(1): 1-37.

Thomas P. Tomich: *Publications list*

Book chapters

“Introducing the California Nitrogen Assessment.” K Thomas, D Liptzin, and TP Tomich (lead authors) with M Coley, R Dahlgren, B Houlton, K Scow, and A White (contributing authors). 2016. Chapter 1 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Underlying drivers of nitrogen flows in California.” A Champetier, D Sumner, and TP Tomich (lead authors) with S Brodt, M Coley, VR Haden, M Kreith, JT Rosen-Molina, and K Thomas (contributing authors). 2016. Chapter 2 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Direct drivers of California’s nitrogen cycle.” TS Rosenstock and TP Tomich (lead authors) with H Leverenz, D Liptzen, D Meyer, D Munk, PL Phelan, and J Six (contributing authors). 2016. Chapter 3 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Ecosystem services and human well-being.” VR Haden, D Liptzin, TS Rosenstock, J VanDerslice, S Brodt, BL Yeo, R Dahlgren, K Scow, J Riddell, G Feenstra, A Oliver, K Thomas, D Kanter, and TP Tomich. 2016. Chapter 5 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Scenarios for the future of nitrogen management in California agriculture.” S Brodt and TP Tomich (lead authors) with J Barnum, C Bishop, and G Harris (contributing authors). 2016. Chapter 6 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Responses: policies and institutions.” K Baerenklau and TP Tomich (lead authors) with S Daroub, A Drevno, VR Haden, C Kling, T Lang, C-Y Lin, C Mitterhofer, D Parker, D Press, T Rosenstock, K Schwabe, Z Tzankova, and J Wang (contributing authors). 2016. Chapter 8 in TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. *The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment*. Oakland: University of California Press.

“Trade-off matrix between private and public benefits of land-use systems (ASB Matrix).” TP Tomich and M van Noordwijk. 2013. Chapter 19 in M van Noordwijk, B Lusiana, B Leimona, S Dewis, and D Wuladari, eds. *Negotiation-support Toolkit for Learning Landscapes*. Bogor, Indonesia: World Agroforestry Centre (ICRAF) Southeast Regional Program, pp. 118-9.

Thomas P. Tomich: *Publications list*

“Assessing ecosystems, ecosystem services, and human well-being.” N Ash, K Bennett, W Reid, F Irwin, J Ranganathan, R Scholes, TP Tomich, C Brown, H Gitay, C Raudsepp-Hearne and M Lee. 2010. Chapter 1 in N Ash, H Blanco, C Brown, K Garcia, T Henrichs, N Lucas, C Raudsepp-Hearne, RD Simpson, R Scholes, TP Tomich, B Vira, and M Zurek, eds. *Ecosystems and Human Well-being – A Manual for Assessment Practitioners*. Washington, DC: Island Press, pp. 1-32.

“Conceptual frameworks for ecosystem assessment: their development, ownership, and use.” TP Tomich (coordinating lead author) with A Argumedo, I Baste, E Camac, C Filer, K Garcia, K Garbach, H Geist, A-M Izac, L Lebel, M Lee, M Nishi, L Olsson, C Raudsepp-Hearne, M Rawlins, R Scholes, and M van Noordwijk. 2010. Chapter 3 in N Ash, H Blanco, C Brown, K Garcia, T Henrichs, N Lucas, C Raudsepp-Hearne, RD Simpson, R Scholes, TP Tomich, B Vira, and M Zurek, eds. *Ecosystems and Human Well-being – A Manual for Assessment Practitioners*. Washington, DC: Island Press, pp. 71-114.

“Farmer tree planting barriers to sustainable forest management.” M van Noordwijk, JM Roshetko, Murniati, MD Angeles, S Suyanto, C Fay, TP Tomich. 2008. In: DJ Snelder and RD Lasco, eds. *Smallholder tree growing for rural development and environmental services: lessons from Asia*. New York: Springer Science+Business Media B.V. p. 429-452.

“Research partnerships.” TP Tomich, D Timmer, S Velarde, CA Palm, M van Noordwijk, and AN Gillison. 2007. In: J McNeely and SJ Scherr (eds.) *Farming with Nature*. Washington, D.C.: Island Press, pp. 322-343.

“Watershed management.” M van Noordwijk, F Agus, B Verbist, K Hairiah, and TP Tomich. 2007. In: J McNeely and SJ Scherr (eds.) *Farming with Nature*. Washington, D.C.: Island Press, pp. 191-212.

“The role of land tenure in the development of cinnamon agroforestry in Kerinci, Sumatra.” S Suyanto, TP Tomich, K Otsuka. 2007. In: Cairns, M. ed. 2007. *Voices from the forest: integrating indigenous knowledge into sustainable upland farming*. Washington, DC: RFF Press p. 743-753

“Policy implications of a pan-tropic assessment of the simultaneous hydrological and biodiversity impacts of deforestation.” EM Douglas, S Wood, K Sebastian, CJ Vorosmarty, KM Chomitz, and TP Tomich. 2007. In: E Craswell, M Bonnell, D Bossio, S Demuth, and N Van De Giesen (eds.) *Integrated Assessment of Water Resources and Global Change: A North-South Analysis*. Springer Netherlands, pp. 211-232.

“Linking land-change science and policy: current lessons and future integration.” RS Reid, TP Tomich, X Jianchu, H Geist, and A Mather with numerous contributing authors. 2006. In: EF Lambin and HJ Geist (eds.) *Land-Use and Land-Cover Change: Local Processes, Global Impacts*. Berlin: Springer Science, pp. 157-171.

Thomas P. Tomich: *Publications list*

“Agricultural transitions at dryland and tropical forest margins: actors, scales, and trade-offs.” H Geist, E Lambin, CA Palm, and TP Tomich. 2006. In: F Brouwer and BA McCarl (eds.) *Agriculture and Climate Beyond 2015: A New Perspective on Future Land Use Patterns. Environment and Policy* 43: 53-73.

“Confronting land degradation in Africa: challenges for the next decade.” MJ Swift, A Stroud, K Shepherd, A Albrecht, A Bationo, P Mafongoya, F Place, TP Tomich, B Vanlauwe, LV Verchot, and M Walsh. 2006. Chapter 5 in D Garrity, A Okono, M Grayson, and S Parrott (eds.) *World Agroforestry into the Future*. Nairobi: World Agroforestry Centre, pp 43-52.

“Opportunities for linking climate change adaptation and mitigation through agroforestry systems.” ST Kandji, LV Verchot, J Mackensen, A Boye, M van Noordwijk, TP Tomich, C Ong, and C Palm. 2006. Chapter 13 in D Garrity, A Okono, M Grayson, and S Parrott (eds.) *World Agroforestry into the Future*. Nairobi: World Agroforestry Centre, pp 113-122.

“Balancing agricultural development and environmental objectives: assessing tradeoffs in the humid tropics.” TP Tomich, A Cattaneo, S Chater, HJ Geist, J Gockowski, D Kaimowitz, EF Lambin, J Lewis, O Ndoye, C Palm, F Stolle, WD Sunderlin, JF Valentim, M van Noordwijk, and SA Vosti. 2005. In: CA Palm, SA Vosti, PA Sanchez, and PJ Ericksen (eds.) *Slash-and-Burn Agriculture: The Search for Alternatives*. New York: Columbia University Press, pp.415-440.

“Land use systems at the margins of tropical moist forest: addressing smallholder concerns in Cameroon, Indonesia and Brazil.” SA Vosti, J Gockowski, and TP Tomich. 2005. In: CA Palm, SA Vosti, PA Sanchez, and PJ Ericksen (eds.) *Slash-and-Burn Agriculture: The Search for Alternatives*. New York: Columbia University Press, pp 387-414.

“Alternatives to Slash-and-Burn: challenge and approaches of an international consortium.” PA Sanchez, CA Palm, SA Vosti, TP Tomich, and J Kasyoki. 2005. In: CA Palm, SA Vosti, PA Sanchez, and PJ Ericksen (eds.) *Slash-and-Burn Agriculture: The Search for Alternatives*. New York: Columbia University Press, pp 3-37.

“Freshwater ecosystem services.” Millennium Ecosystem Assessment. (TP Tomich is one of many contributing authors). 2005. Chapter 7. *Ecosystems and Human Well-being: Policy Responses, Volume 3. Findings of the Responses Working Group of the Millennium Ecosystem Assessment*. Washington, DC: Island Press, pp. 213-255.

“Responses to ecosystem changes and to their impacts on human well-being.” Millennium Ecosystem Assessment. (TP Tomich is one of several contributing authors). 2005. Chapter 9. *Ecosystems and Human Well-being: Multiscale Assessments, Volume 4. Findings of the Sub-global Assessments Working Group of the Millennium Ecosystem Assessment*. Washington, DC: Island Press, pp. 205-228.

Thomas P. Tomich: *Publications list*

“Tradeoffs.” TP Tomich. 2005. In H Geist (ed.) *Our Earth's Changing Land: An Encyclopedia of Land-use and Land-cover Change*. Vol. II (M-Z). Portsmouth, NH: Greenwood Publishing Group.

“Alternatives to Slash-and-Burn.” TP Tomich. 2005. In H Geist (ed.) *Our Earth's Changing Land: An Encyclopedia of Land-use and Land-cover Change*. Vol. I (A-L). Portsmouth, NH: Greenwood Publishing Group.

“Consultative Group on International Agricultural Research (CGIAR).” TP Tomich. 2005. In H Geist (ed.) *Our Earth's Changing Land: An Encyclopedia of Land-use and Land-cover Change*. Vol. I (A-L). Portsmouth, NH: Greenwood Publishing Group.

“World Agroforestry Centre (ICRAF).” TP Tomich. 2005. In H Geist (ed.) *Our Earth's Changing Land: An Encyclopedia of Land-use and Land-cover Change*. Vol. II (M-Z). Portsmouth, NH: Greenwood Publishing Group.

“Negotiation support models for integrated natural resource management in tropical forest margins.” M van Noordwijk, TP Tomich, and B Verbist. 2003. In: BM Campbell and JA Sayer (eds.) *Integrated Natural Resource Management: Linking Productivity, the Environment and Development*. Wallingford, UK: CAB International, pp 87-108.

“Agroforestry management in Sumatra.” S Suyanto, TP Tomich, and K Otsuka. 2001. In: K Otsuka and F Place (eds.) *Land Tenure and Natural Resource Management: A Comparative Study of Agrarian Communities in Asia and Africa*. Baltimore: Johns Hopkins University Press, pp 97-143.

“Agricultural intensification, deforestation, and the environment: assessing tradeoffs in Sumatra, Indonesia.” TP Tomich, M van Noordwijk, S Budidarsono, A Gillison, T Kusumanto, D Murdiyarto, F Stolle, and AM. Fagi. 2001. In: DR Lee and CB Barrett (eds.) *Tradeoffs or Synergies? Agricultural Intensification, Economic Development and the Environment*. Wallingford, UK: CAB International, pp 221-244.

“Biodiversity loss, agricultural development, and sustainability.” TP Tomich and M van Noordwijk. 1999. In: C Ginting, A Gafur, FX Susilo (eds.) *Proceedings of an International Seminar, Toward Sustainable Agriculture in the Humid Tropics in the 21st Century*. Bandar Lampung: Lampung University, pp 36-52.

“Domestication of tropical trees: from biology to economics and policy.” RRB Leakey and TP Tomich. 1998. In: LE Buck, JP Lassoie, and ECM Fernandes (eds.) *Agroforestry in Sustainable Ecosystems*. New York: CRC Press/Lewis Publishers, pp 319-338.

Thomas P. Tomich: *Publications list*

"Forest soils under alternatives to slash-and-burn agriculture in Sumatra, Indonesia." M van Noordwijk, D Murdiyarso, K Hairiah, UR Wasrin, A Rachman, and TP Tomich. 1998. In: A Schulte and D. Ruhiyat (eds.) *Soils of Tropical Forest Ecosystems: Characteristics, Ecology, and Management*. Berlin: Springer-Verlag, pp 175-185.

"Markets, policies, and institutions in NTTP trade: nothing is perfect." TP Tomich. 1996. In: RRB Leakey, AB Temu, M Melnyk, and P Vantomme (eds) *Domestication and Commercialization of Non-timber Forest Products in Agroforestry Systems*. Rome: FAO Non-Wood Forest Products Series No. 9, pp. 235-255.

"What drives deforestation in Sumatra?" TP Tomich and M van Noordwijk. 1996. In: B. Rerkasem (ed.) *Proceedings of International Symposium on Montane Mainland Southeast Asia in Transition*, Chiang Mai University, Thailand, 12-16 November 1995, pp 120-149.

"Agroforestry technologies for social forestry: tree-crop interactions and forestry-farmer conflicts." M van Noordwijk and TP Tomich. 1995. In: H Simon, Hartadi, S Sabarnurdin, Sumardi, and H Iswantoro (eds.) *Social Forestry and Sustainable Forest Management*. Jakarta: Perum Perhutani, pp 168-193.

"Development from a primary export base." TP Tomich, M Roemer and J Vincent. 1994. In: DL Lindauer and M Roemer (eds.) *Asia and Africa: Legacies and Opportunities in Development*. San Francisco, CA: Institute for Contemporary Studies, pp 151-194.

"Smallholder rubber development in Indonesia." TP Tomich. 1991. In: DH Perkins and M Roemer (eds.) *Reforming Economic Systems in Developing Countries*. Cambridge, MA: Harvard University Press, pp 249-270.

"The political economy of rural development: lessons from Asian experience." BF Johnston and TP Tomich. 1988. In: *Proceedings of Conference on Directions and Strategies of Agricultural Development in the Asia-Pacific Region*. Taipei: The Institute of Economics, Academia Sinica, 49 pp.

Thomas P. Tomich: *Publications list*

Books (including special issues of journals)

Agricultural Research for Rural Prosperity: Rethinking the Pathways. TP Tomich, P Lidder, and P Carberry eds. 2019. A special issue of *Agricultural Systems* Vol 172, 109 pp.
<https://www.sciencedirect.com/journal/agricultural-systems/vol/172>

The California Nitrogen Assessment: Challenges and Solutions for People, Agriculture, and the Environment. TP Tomich, S Brodt, R Dahlgren, and K Scow, eds. 2016. Oakland: University of California Press, 300 pp, with a separate 18 page executive summary available for free download at https://asi.sf.ucdavis.edu/sites/g/files/dgvnsk5751/files/inline-files/ExecutiveSummaryLayout_FINAL_reduced.pdf.

Ecosystems and Human Well-being – A Manual for Assessment Practitioners. N Ash, H Blanco, C Brown, K Garcia, T Henrichs, N Lucas, C Raudsepp-Hearne, RD Simpson, R Scholes, TP Tomich, B Vira, and M Zurek, eds. 2010. Washington, DC: Island Press, 264 pp.

Environmental Services and Land Use Change: Bridging the Gap between Policy and Research in Southeast Asia. TP Tomich, M van Noordwijk, and DE Thomas, eds. 2004. Amsterdam: Elsevier Science, 244 pp. Also published as a special issue of *Agriculture, Ecosystems and Environment*, Vol. 104 (1), 204 pp.

Transforming Agrarian Economies: Opportunities Seized, Opportunities Missed. TP Tomich, P Kilby and BF Johnston. 1995. Ithaca, NY: Cornell University Press, 474 pp. Extracts appear as Section VII.A.2., "Elements of Structural Transformation," and Section VIII.C.5. "Strategic Priorities for Agriculture," in GM. Meier, *Leading Issues in Economic Development*, Sixth Edition, New York: Oxford University Press, 1995.

Thomas P. Tomich: *Publications list*

Monographs and refereed working papers

Forest and Agroecosystem Tradeoffs in the Humid Tropics. A Crosscutting Assessment by the Alternatives to Slash-and-Burn Consortium Conducted as a Sub-global Component of the Millennium Ecosystem Assessment. TP Tomich and CA Palm (coordinating lead authors). SJ Velarde, H Geist, AN Gillison, L Lebel, M Locatelli, W Mala, M Van Noordwijk, K Sebastian, D Timmer, and D White (contributing authors). 2005. ASB-MA State of the Assessment Report covering completion of ASB-MA pilot phase (2003) and incorporating ongoing assessment activities (2004). Nairobi: Alternatives to Slash-and-Burn Programme, 163 pp.

Alternatives to Slash-And-Burn in Peru: Summary Report and Synthesis of Phase II. D White, SJ Velarde, JC Alegre and TP Tomich (eds.). 2005. Nairobi: Alternatives to Slash-and-Burn Programme, 129 pp.

Alternatives to Slash-and-Burn in Brazil. Summary Report of Phase II. J Lewis, S Vosti, J Witcover, P Ericksen, R Guevara, and TP Tomich (eds.). 2002. Nairobi: Alternatives to Slash-and-Burn Programme, 93 pp.

Working Group on Economic and Social Indicators: Report on Methods for the ASB Matrix. SAVosti, J Witcover, J Gockowski, TP Tomich, C Line Carpentier, M Faminow, S Oliveira, and C Diaw. 2000. Nairobi: Alternatives to Slash-and-Burn Programme, 41 pp.

Research Abstracts and Key Policy Questions. Environmental Services and Land Use Change: Bridging the Gap Between Policy and Research in Southeast Asia. TP Tomich, DE Thomas, and M van Noordwijk (eds.). 1999. ASB-Indonesia Report Number 10. Bogor: ASB-Indonesia and ICRAF SE Asia, 127 pp.

Alternatives to Slash-and-Burn in Indonesia, Summary Report of Phase II. TP Tomich, M van Noordwijk, S Budidarsono, A Gillison, T Kusumanto, D Murdiyarso, F Stolle, and AM Fagi (eds.). 1998. ASB-Indonesia Report Number 8. Bogor: ASB-Indonesia and ICRAF SE Asia, 139 pp.

“Does land tenure insecurity discourage tree planting? Evolution of customary land tenure and agroforestry management in Sumatra.” K Otsuka, S Suyanto, TP Tomich, and T Sonobe. 1997. Environment and Production Technology Division Discussion Paper No. 31. Washington, DC: International Food Policy Research Institute.

Alternatives to Slash-and-Burn in Indonesia: Summary Report of Phase I. M van Noordwijk, TP Tomich, R Winahyu, D Murdiyarso, S Suyanto, S Partoharjono, and AM Fagi (eds.). 1995. ASB-Indonesia Report No. 4. Bogor: ASB-Indonesia and ICRAF SE Asia, 154 pp.

Thomas P. Tomich: *Publications list*

Social Impact of Agricultural Policy Reform: Evidence from Rural Malawi. TP Tomich, P Peters and A Deolalikar. 1995. *Development Discussion Paper No. 515*, (September) Cambridge, MA: Harvard Institute for International Development.

Grain in Indonesia. R Trewin and TP Tomich. 1994. Economics Division Working Paper 94/6. Canberra: Research School of Pacific Studies, Australian National University, 52 pp.

"Agricultural intensification and indigenous technological change: policy lessons from smallholder coffee in highland Sumatra." TP Tomich, Hastuti and CPA Bennett. 1993. *Development Discussion Paper 457*. Cambridge, MA: Harvard Institute for International Development, 29 pp.

"Smallholder rubber development in Indonesia." TP Tomich. 1989. *Development Discussion Paper 306*. Cambridge, MA: Harvard Institute for International Development.

The Financial and Economic Feasibility of Reclaiming Land from Egypt's Northern Lakes. TP Tomich and CH Gotsch. 1985. *Development Discussion Paper 194*. Cambridge, MA: Harvard Institute for International Development, 51 pp.

Adaptive Behavior at the Ricardian Fringe: Insights from Land Reclamation in Egypt. TP Tomich. 1985. *Development Discussion Paper 193*. Cambridge, MA: Harvard Institute for International Development, 73 pp.

Feasibility of Small Farm Development Strategies. BF Johnston and TP Tomich. 1984. Research report prepared for the Bureau of Policy and Programme Coordination, United States Agency for International Development, Washington, DC, 130 pp.

Private Land Reclamation in Egypt: Studies of Feasibility and Adaptive Behavior. TP Tomich. 1984. Doctoral dissertation, Stanford University, Palo Alto, California, 519 pp.

Private Land Reclamation in Egypt: Implications for Agricultural Development. CH Gotsch and TP Tomich. 1983. Research report prepared for the US Agency for International Development, Cairo, Egypt, 82 pp.

Population, Poverty, and Politics: Compulsion and Response in Egypt's Food Policy. 1979. TP Tomich. Senior honors thesis. Dept of Economics. University of California, Davis, 101 pp.

Thomas P. Tomich: *Publications list*

Other scientific papers

“A malleable workflow for identifying the issues and metrics that define and measure sustainability in food systems.” 2018. NP Springer, R Musker, S Brodt, K Garbach, AD Hollander, PR Huber, J Joerin, M Langer, D Ojima, C Riggle, J Six, JF Quinn, TP Tomich. Unpublished manuscript

“Towards designing an ontology encompassing the environment-agriculture-food-diet-health knowledge spectrum for food system sustainability and resilience.” R Musker, M Lange, A Hollander, P Huber, N Springer, C Riggle, J Quinn, T Tomich. 2016. *CEUR Workshop Proceedings, 1747*.

“Nitrogen Fertilizer Loading to Groundwater in the Central Valley.” T Harter, TP Tomich, M Zhang, and G.S. Pettygrove. 2014. Summaries of Ongoing FREP Research Projects. *Proceedings of 22st Annual Fertilizer Research and Education Conference*, pp. 71-78. Fertilizer Research and Education Program. California Department of Food and Agriculture.

“Nitrogen Fertilizer Loading to Groundwater in the Central Valley.” T Harter, TP Tomich, M Zhang, and G.S. Pettygrove. 2013. Summaries of Ongoing FREP Research Projects. *Proceedings of 21st Annual Fertilizer Research and Education Conference*, pp. 78-86. Fertilizer Research and Education Program. California Department of Food and Agriculture.

“Reducing nitrogen emissions.” TP Tomich. 2012. *Issues in Science and Technology* 28(3):19

“Toward a general theory of boundary work: Insights from the CGIAR’s natural resource management programs.” WC Clark, TP Tomich, M van Noordwijk, NM Dickson, D Catacutan, D Guston, and E McNie. 2010. CID Working Paper No. RWP 10-035. Center for International Development, Harvard University, Cambridge, MA: Harvard University, July 2010, 27 pp. Available at SSRN: <http://ssrn.com/abstract=1676287>

“Where are we headed? Where do we want to go?” TP Tomich (ed.). 2009. Briefing materials for the Inaugural National Symposium on Food Systems and Sustainability, Davis, California, 24-25 March 2009. Agricultural Sustainability Institute, University of California, Davis, 97 pp.

“Potential for adaptation to climate change in an agricultural landscape in the Central Valley of California.” LE Jackson, F Santos-Martin, AD Hollander, WR Horwath, RE Howitt, JB Kramer, AT O’Geen, BS Orlove, JW Six, SK Sokolow, DA Sumner, TP Tomich, and SM Wheeler. 2009. Project report. University of California, Davis.

“The Low-Carbon Diet Initiative: Reducing Energy Use and Greenhouse Gas Emissions in the Food System from a Life Cycle Assessment Perspective.” S Brodt, G Feenstra, and TP Tomich. 2008. White Paper. Agricultural Sustainability Institute, University of California, Davis, 6 pp. URL http://asi.ucdavis.edu/research/food-systems/files/White_Paper_on_Energy_Use.pdf

Thomas P. Tomich: *Publications list*

“The Low-Carbon Diet Initiative: Reducing Energy Use and Greenhouse Gas Emissions in the Food System using Life Cycle Assessment.” S Brodt, G Feenstra, and TP Tomich, with 12 contributing authors. 2008. Summary of a Symposium on Critical Issues and Research Methods. Agricultural Sustainability Institute, University of California, Davis.

RLhttp://asi.ucdavis.edu/research/food-systems/files/Summary_of_Symposium_on_LCA_in_the_Food_System_Final.pdf

“Sustainable food systems link growers to new consumer markets in California.” G Feenstra and TP Tomich. 2007. Editorial. *California Agriculture* 61(4): 146.

“A framework for assessment of California agroecosystems: Pitfalls and possibilities.” TP Tomich, K Garbach, and A Cantor, 2007. Paper prepared for the Workshop and Policy Roundtable *California Agroecosystem Services: Assessment, Valuation and Policy Perspectives* University of California, Davis, 12-13 September 2007.

“Criteria and indicators for environmental service compensation and reward mechanisms: realistic, voluntary, conditional and pro-poor.” M van Noordwijk, B Leimona, L Emerton, TP Tomich, SJ Velarde, M Kallesoe, M Sekher, and B Swallow. 2007. CES Scoping Study Issue Paper no. 2. ICRAF Working Paper no. 37. Nairobi, Kenya : World Agroforestry Centre (ICRAF), 61p.

“The challenges of integration: Report of an on-line consultation among researchers of the Alternatives to Slash-and-Burn (ASB) Programme.” TP Tomich, JC Alegre, V Areskoug, A Cattaneo, J Cornelius, P Ericksen, L Joshi, J Kasyoki, C Legg, M Locatelli, D Murdiyarso, C Palm, R Porro, A Rescia Perazzo, A Salazar-Vega, D Timmer, M van Noordwijk, SJ Velarde, S Weise and D White. 2004. Paper presented at Conference Bridging Scales and Epistemologies: Linking Local Knowledge and Global Science in Multi-Scale Assessments. Alexandria, Egypt. March 17-20, 25 pp.

“An introduction to the conceptual basis of RUPES (Rewarding the Upland Poor for Environmental Services).” M van Noordwijk, F Chandler and TP Tomich. 2004. Bogor: RUPES Working Paper, Bogor, 41 pp.

“Sub-global assessments: ensuring usefulness, credibility, and legitimacy in the Alternatives to Slash-and-Burn crosscutting assessment.” TP Tomich with contributing authors. 2003. Invited paper. Open Science Meeting, International Human Dimensions Programme on Global Environmental Change, Montreal, 16-18 October 2003.

“Partnerships for rural prosperity at the forest margins.” Dagmar Timmer with contributions from TP Tomich, J Lewis, D Garrity, S Liu, S Chater and others. 2003. Invited paper. Open Science Meeting, International Human Dimensions Programme on Global Environmental Change, Montreal, 16-18 October 2003.

Thomas P. Tomich: *Publications list*

“El programa de Alternativas a la Tumba y Quema (ASB) en el Perú: resultados e implicancias.” JP Cornelius, D White, DR Yanggen, R Porro, S Velarde, JC Alegre, A Salazar, A Ricse, D Timmer, J Ugarte, and TP Tomich. 2003. Paper presented at Millennium Ecosystem Assessment Forum, “Impact analysis of ecosystem change on quality of life for Peruvians,” Lima, Peru, 23 October 2003.

“Balancing rainforest conservation and poverty reduction.” TP Tomich, W Easdown, M Faminow, J Gockowski, A-M Izac, J Kasyoki, J Lewis, S Maginnis, C Palm, D Timmer, J Valentim, M van Noordwijk, S Vosti, and J Witcover. 2003. Selected poster presented at 25th International Conference of International Association of Agricultural Economists, Durban, South Africa, 16-22 August 2003.

“El bosque y sus relaciones de transformación con los ecosistemas agrícolas en los trópicos: Millennium Ecosystem Assessment (MA) - ASB Peru Poster.” S Velarde, D Timmer, J Cornelius, R Porro, TP Tomich. 2003. Poster presented at Millennium Ecosystem Assessment (MA) Forum, “Impact analysis of ecosystem change on quality of life for Peruvians” Lima, Peru, 23 October 2003.

“Agroforestry is a form of sustainable forest management: lessons from Southeast Asia.” M van Noordwijk, JM Roshetko, GA Ruark, Murniati, M de los Angeles, S Suyanto, C Fay, and TP Tomich. 2003. Paper presented at UNFF intersessional expert meeting on the role of planted forests in sustainable forest management. New Zealand, 24-30 March 2003.

“Agents of deforestation in Sumatra: the big, the small, and the unaccounted (miscounted).” J Lewis and TP Tomich. 2002. Technical note. Nairobi: Alternatives to Slash-and-Burn Programme.

“Damar agroforest establishment and sources of livelihood: A profitability assessment of the *damar* agroforest system in Krui, Lampung, Sumatra, Indonesia.” S Budidarsono, B Arifatmi, H de Foresta, and TP Tomich. 2001. SE Asia Regional Policy Research Working Paper No. 17. Bogor: ICRAF-SE Asia.

“A profitability assessment of robusta coffee systems in Sumberjaya watershed, Lampung, Sumatra, Indonesia.” S Budidarsono, SA Kuncoro, and TP Tomich. 2001. SE Asia Regional Policy Research Working Paper No. 16. Bogor: ICRAF-SE Asia.

“Dynamics of land use change in Jambi, Indonesia: issues, data, and methods.” KM Chomitz, D Deborah, D Hadi, F Stolle, TP Tomich, and UR Wasrin. 1999. Selected poster presented at American Society of Agronomy Annual Meetings, Salt Lake City, November.

“Watershed economics and policy.” TP Tomich and M van Noordwijk. 1999. Paper presented at the National Workshop on Strategy for Watershed Management, Bogor, Indonesia, February.

Thomas P. Tomich: *Publications list*

“ICRAF’s role in policy research, policy development, and advocacy: opportunities and pitfalls.” TP Tomich. 1998. Discussion paper for ICRAF Board of Trustees.

“Soil and other constraints to agricultural production with and without trees in the North Lampung benchmark area of the Alternatives to Slash and Burn Project.” M van Noordwijk, K Hairiah, TP Tomich, B Lusiana, S Suyanto. 1996. Bogor, Indonesia: Southeast Asia Regional Research Programm, International Centre for Research in Agroforestry.

Book review of *Food Price Policy in Indonesia* (by RR Piggott, KA Parton, EM Treadgold, and B Hutabarat). TP Tomich. 1994. *Bulletin of Indonesian Economic Studies* 30 (2): 169-171.

"Rice policy development in Madagascar." R Goldman and TP Tomich. 1993. Consulting Assistance on Economic Reform Discussion Paper No. 17. Cambridge, MA: Harvard Institute for International Development, 33 pp.

Comment on "Land reform" (by Yujiro Hayami). TP Tomich. 1991. In: GM Meier (ed.) *Politics and Policy Making in Developing Countries: Perspectives on the New Political Economy*. San Francisco: International Center for Economic Growth, pp 173-177.

Comment on "Impacts of agricultural incentives policy on the rural economy of Indonesia" (by F Kasryno and M Siregar). TP Tomich. 1988. Proceedings of *Conference on Directions and Strategies of Agricultural Development in the Asia-Pacific Region*, Taipei: The Institute of Economics, Academia-Sinica.

Book review of *Room for Manoeuvre* (EJ Clay and BB Schaffer, eds.) entitled "Thinking about the Possible." TP Tomich. 1985. *Food Policy* 10(4): 380-381.

"Estimating disaggregated demand elasticities." 1983. TC Pinckney and TP Tomich. Food Research Institute Working Papers.

Thomas P. Tomich: *Publications list*

Policy briefs

“Empowerment through measurement.” TP Tomich, J Lewis and D Timmer (eds). 2004. *ASB Policybrief No.7*. Nairobi: Alternatives to Slash and Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/PolicyBrief7.pdf>

“Forces driving tropical deforestation.” TP Tomich and J Lewis (eds). 2003. *ASB Policybrief No.6*. Nairobi: Alternatives to Slash and Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/PolicyBrief6.pdf>

“Balancing rainforest conservation and poverty reduction.” TP Tomich and J Lewis (eds). 2003. *ASB Policybrief No. 5*. Nairobi: Alternatives to Slash-and-Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/Policybrief5..pdf>

“Reducing smoke pollution from tropical fires.” TP Tomich and J Lewis (eds). 2002. *ASB Policybrief No. 4*. Nairobi: Alternatives to Slash-and-Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/ASBPolicyBriefs4.pdf>

“Deregulating agroforestry timber to fight poverty and protect the environment.” TP Tomich and J Lewis (eds). 2001. *ASB Policybrief #3*. Nairobi: Alternatives to Slash-and-Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/PolicyBrief3.pdf>

“Putting community-based forest management on the map.” TP Tomich and J Lewis (eds). *ASB Policybrief #2*. 2001. Nairobi: Alternatives to Slash-and-Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/PolicyBrief2.pdf>

“Alternatives to slash-and-burn.” TP Tomich and J Lewis (eds). *ASB Policybrief #1*. Nairobi: Alternatives to Slash-and-Burn Programme. URL: <http://www.asb.cgiar.org/PDFwebdocs/PolicyBrief1.pdf>

Software

Sustainable Sourcing Checklist Generator. R language. S Hollander, N Ulle, D Temple Lang, P Huber, R Musker, J Quinn, C Riggle, N Springer, and TP Tomich. 2015. Davis, CA: University of California, Davis. <https://github.com/adhollander/checklist>.

Thomas P. Tomich: *Publications list*

Editorials, public awareness, education, and training materials

“A deeper Challenge of Change: The role of land-grant universities in assessing and ending structural racism in the US food system.” S Ammons, N Creamer, PB Thompson, H Francis, J Friesner, C Hoy, T Kelly, CM Porter, TP Tomich. 2018. INFAS supplement to the Association of Public and Land-grant Universities’ *The Challenge of Change: Harnessing University Discovery, Engagement, and Learning to Achieve Food and Nutrition Security*. <https://asi.ucdavis.edu/programs/infas/a-deeper-challenge-of-change-the-role-of-land-grant-universities-in-assessing-and-ending-structural-racism-in-the-us-food-system>

“Labor in the food system: A view from INFAS.” J Friesner with C Hoy, C Danley, C Ogden, J Lo, J O’Sullivan, M Anderson, P Allen, S Ammons, T Kelly, T Tomich. 2016. *Journal of Agriculture, Food Systems, and Community Development* 6(2), 25–27. <http://dx.doi.org/10.5304/jafscd.2016.062.023>

“Agriculture cannot do the job alone – Tom Tomich on pathways to rural prosperity.” March 2016. Blog post for CGIAR Science Forum 2016, <http://www.scienceforum2016.org/agriculture-cannot-do-the-job-alone-tom-tomich-on-pathways-to-rural-prosperity/>.

“UC Davis, one of the world’s leading agricultural universities, on the global food system.” TP Tomich, AB White, and CM Riggle May 2014. *Sustain Magazine*. Washington, DC: International Finance Corporation of the World Bank/IBRD.

“Sustainable Sourcing of Global Agricultural Raw Materials.” TP Tomich. Global South Summit. 11-12 November 2013. Nashville, Tennessee. *Diplomatic Courier*, p. 58.

Agriculture and the Water Retention Landscape: A New Vision for the Way We Store Water in California. California Roundtable on Water and Food Supply. November 2012. The California Roundtable on Water and Food Supply is convened and facilitated by the Ag Innovations Network. URL <http://aginnovations.org/roundtables/crwfs>.

Facing the Future: Critical Challenges to Food and Agriculture. Agree, www.foodandagpolicy.org, May 2012, 48 pp.

Reducing Nitrogen Emissions. Letter to the Editor re: “Climate Benefits of Better Nitrogen and Phosphorous Management” by A Townsend, P Vitousek, and B Houlton. *Issues in Science and Technology*. Forum. Spring 2012.

Agricultural Water Stewardship: Recommendations to Optimize Outcomes for Specialty Crop Growers and the Public in California. California Roundtable on Water and Food Supply. June 2011. The California Roundtable on Water and Food Supply is convened and facilitated by the Ag Innovations Network. URL <http://aginnovations.org/roundtables/crwfs>.

Thomas P. Tomich: *Publications list*

“Who Should Read this Series?” A Gadgil, DM Liverman, WC Clark, PA Matson, I Ray, DS Schimel, TP Tomich. 2011. *Annual Review of Environment and Resources*. Volume 35 and annually since 2015 as co-editor with A Gadgil.

“Living with no regrets on climate change.” TP Tomich. 6 January 2010. *Huffington Post*. URL http://www.huffingtonpost.com/tom-tomich/living-with-no-regrets-on_b_412361.html.

“With no regrets we can lead the way.” TP Tomich. 9 January 2010. Op-ed in the *Sacramento Bee*. <http://www.sacbee.com/2010/01/09/2449062/viewpoints-with-no-regrets-we.html>

California Nitrogen Assessment Evaluates Benefits and Challenges of Nitrogen Use. TS Rosenstock, SP Ogburn, D Liptzin, C Bishop, SB Brodt, JW Six, RA Dahlgren, MT Kreith, JT Rosen-Molina, DA Sumner, TH Harter, TP Tomich. 2010. *California Agriculture*.

Balancing rainforest conservation and poverty reduction. TP Tomich, J Lewis, and J Kasyoki. 2008. In. The World Bank. 2008. *Sustainable land management sourcebook*. Washington, D.C.: The World Bank, p. 39-44

Life on the Edge: An Assessment of Ecosystem Health and Human Wellbeing on the Margins of the World's Tropical Rainforests. Alternatives to Slash-and-Burn Programme (ASB), Nairobi, Kenya, 2005.

“Global justice.” TP Tomich. 2004. Keynote address. Development Research Day, Centre for Sustainability Studies and Department of Human Ecology, Lund University, Lund Sweden, 17 September 2004.

“Loss of biodiversity through deforestation.” TP Tomich. 2004. Keynote address. Lund University Series “Seven Challenges to Sustainability”, Centre for Sustainability Studies, Lund University, Lund, Sweden, 16 September 2004.

Forests as Resources for the Poor: The Rainforest Challenge. Alternatives to Slash and Burn Programme (ASB), Center for International Forestry Research (CIFOR), World Agroforestry Centre (ICRAF), World Conservation Union (IUCN), World Wide Fund for Nature (WWF), Nairobi, Kenya; Bogor, Indonesia, Gland, Switzerland, 2003.

“Agroforestry and watershed functions of tropical land use mosaics.” M van Noordwijk, A Farida, B Verbist and TP Tomich. 2003. Paper presented at 2nd Asia Pacific Training Workshop on Ecohydrology, Cibinong, West Java, Indonesia, 21-26 July 2003.

“Dwi and Anton: weighing the risks of insecure land rights in Sumber Jaya, Indonesia.” TP Tomich and J Lewis (eds.). 2002. *ASB Voices # 8*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Bernadino Dumo: leading by example in Mindanao, the Philippines.” TP Tomich and J Lewis (eds). 2002. *ASB Voices # 7*. Nairobi: Alternatives to Slash-and-Burn Programme.

Thomas P. Tomich: *Publications list*

“Somkit Kirikumsap: preserving traditions, conserving resources.” TP Tomich and J Lewis (eds). 2002. *ASB Voices # 6*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Nicanor Pinedo and Julia Espinoza: partners on the path to progress.” TP Tomich and J Lewis (eds). *ASB Voices # 5*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Elena Trigoso-Grandes: organising for progress and equality in Ucayali, Peru.” TP Tomich and J Lewis (eds). 2002. *ASB Voices #4*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Virgulino da Costa Nascimento: coming full circle in the Brazilian Amazon.” TP Tomich and J Lewis (eds.). 2001. *ASB Voices #3*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Prisca Oye: looking to a future beyond the forests of Central Africa.” TP Tomich and J Lewis (eds.). 2001. *ASB Voices #2 (ASB Voices of the Future Series)*. Nairobi: Alternatives to Slash-and-Burn Programme.

“The Riquez Family: perseverance in the Peruvian Amazon.” TP Tomich and J Lewis (eds). 2001. *ASB Voices #1*. Nairobi: Alternatives to Slash-and-Burn Programme.

“Problem definition for integrated natural resource management in forest margins of the humid tropics: characterisation and diagnosis of land use practices.” M van Noordwijk, PM Susswein, C Palm, A-M Izac and TP Tomich. 2001. *ASB Lecture Note # 1*. Bogor: ICRAF Southeast Asia.

“Land use practices in the humid tropics and introduction to ASB benchmark areas.” M van Noordwijk, PM Susswein, TP Tomich, C Diaw and SA Vosti. 2001. *ASB Lecture Note # 2*. Bogor: ICRAF Southeast Asia.

“Evaluating land use systems from a socio-economic perspective.” M Kragten, TP Tomich, SA Vosti and J Gockowski. 2001. *ASB Lecture Note # 8*. Bogor: ICRAF Southeast Asia.

“Analysis of trade-offs between local, regional and global benefits of land use.” M van Noordwijk, TP Tomich, J Gockowski and SA Vosti. 2001. *ASB Lecture Note # 10*. Bogor: ICRAF Southeast Asia.

“Simulation models that help us to understand local action and its consequences for global concerns in a forest margin landscape.” M van Noordwijk, B Verbist, G Vincent and TP Tomich. 2001. *ASB Lecture Note # 11A*. Bogor: ICRAF Southeast Asia.

“Policy research for sustainable upland management.” M Sirait, S Williams, M van Noordwijk, A Kusworo, S Budidarsono, TP Tomich, S Suyanto, C Fay and D Thomas. 2001. *ASB Lecture Note # 12*. Bogor: ICRAF Southeast Asia.

Thomas P. Tomich: *Publications list*

The ASB Consortium: Innovations to Reduce Poverty and Conserve Tropical Forests. TP Tomich. 2000. Nairobi: Alternatives to Slash-and-Burn Programme.

“Southeast Asia’s forests: key policy questions.” TP Tomich. 2000. Keynote address. 14th Workshop, Economy and Environment Program for Southeast Asia (EEPSEA), 25 May 2000, Singapore.

Policy Research for Sustainable Upland Systems in Southeast Asia. TP Tomich, DE Thomas, T Kusumanto, and M van Noordwijk. 1998. Bogor: ICRAF Southeast Asia.

“A journey of discovery.” TP Tomich and M van Noordwijk (eds.). 1996. Guide for ASB Field Trip, 25-27 May 1996, Jambi, Sumatra. ASB-Indonesia Report No. 5. Bogor: ASB-Indonesia and ICRAF SE Asia.

“Matching policy needs and scientific capabilities.” TP Tomich. 1996. Keynote address, START / BIOTROP / GCTE Workshop on Living with Global Change: Linking Science and Policy in Southeast Asia.” Bogor, Indonesia, 13-15 August 1996.

“Slash-without-burn techniques in land clearing: environmental and economic opportunities and constraints,” S Suyanto, TP Tomich, M van Noordwijk, and DP Garrity. 1996. Paper presented at a seminar on “Business Opportunities for Land Clearing without Burning,” Jakarta, 9-10 January 1996.

“Segregate or integrate nature and agriculture for biodiversity conservation.” M van Noordwijk, CP van Schaik, H de Foresta, and TP Tomich. 1995. Paper presented at Global Biodiversity Forum, Jakarta, Indonesia, 2-5 November 1995.

“Putting 'slash-and-burn' in context: socioeconomic and policy issues.” TP Tomich. 1994. Keynote address, Workshop on Participatory Rural Appraisal, Megamendung, West Java, 21-23 November 1994. Published in workshop proceedings, *Participatory Rural Appraisal (PRA) Methodology*, (in Indonesian) MH Sawit, et al., eds. ASB-Indonesia Report No. 3. Bogor: ASB-Indonesia and ICRAF SE Asia, 1995.

“Wanatani karet terpadu untuk masa depan karet rakyat Indonesia” (“Integrated rubber agroforestry for the future of smallholder rubber in Indonesia.”) S Budiman, H de Foresta, E Penot, TP Tomich, and S Suyanto. 1994. Paper presented at National Rubber Congress, Medan, North Sumatra, 15-17 November 1994.

“The state and agricultural development strategy.” TP Tomich. 1994. Working Paper, Economic Development Institute. Washington, DC: The World Bank.

“Fertilizer subsidy reform.” TP Tomich. 1991. Teaching case. HIID Summer Workshop on Macroeconomic Adjustment and Food/Agricultural Policy and in courses offered through the Department of Economics at Harvard and the Kennedy School of Government.

Thomas P. Tomich: *Publications list*

"Processing farm management data with commercial software packages." TP Tomich.
1983. Microcomputers in Development Project. Food Research Institute, Stanford University.