

## Publication list

### PEER-REVIEWED JOURNAL ARTICLES

Ahlstrom, A., Canadell, J. G., Schurgers, G., **Wu, M.**, Berry, J. A., Guan, K., & Jackson, R. B. 2017. 'Hydrologic resilience and Amazon productivity'. *Nature Communications*, 8, 387. doi:10.1038/s41467-017-00306-z

**Wu, M.**, Schurgers, G., Ahlström, A., Rummukainen, M., Miller, P. A., Smith, B., and May, W. 2017. 'Impacts of land use on climate and ecosystem productivity over the Amazon and the South American continent'. *Environmental Research Letters*, 12, 054016. doi:10.1088/1748-9326/aa6fd6

**Wu, M.**, Schurgers, G., Rummukainen, M., Smith, B., Samuelsson, P., Jansson, C., Siltberg, J., and May, W. 2016. 'Vegetation–climate feedbacks modulate rainfall patterns in Africa under future climate change'. *Earth System Dynamics*, 7, 627-647. doi:10.5194/esd-7-627-2016

**Wu, M.**, Knorr, W., Thonicke, K., Schurgers, G., Camia, A., and Arneht, A. 2015. 'Sensitivity of burned area in Europe to climate change, atmospheric CO<sub>2</sub> levels, and demography: A comparison of two fire-vegetation models. *Journal of Geophysical Research: Biogeosciences*, 120, 2256-2272. doi:10.1002/2015JG003036

### CONFERENCE PRESENTATION:

**Wu, M.**, Schurgers, G., Rummukainen, M., Smith, B., Samuelsson, P., Jansson, C., Siltberg, J., and May, W. 'Vegetation–climate feedbacks modulate rainfall patterns in Africa under future climate change' The International Conference on Regional Climate, CORDEX 2016, Conference Abstracts. Stockholm, Sweden. 2016.(Oral presentation)

**Wu, M.**, Smith, B., Schurgers, G., Siltberg, J., Rummukainen, M., Samuelsson, P. 'Vegetation-climate feedback causes reduced precipitation in CMIP5 regional Earth system model simulation over Africa' EGU General Assembly Conference Abstracts. Vienna, Austria. Vol. 15. 2013. (Poster)

**Wu, M.**, Arneht, A., Knorr, W., Thonicke, K. 'Response of vegetation structure to extreme climate events in Europe: Analysis from fire regime perspective' Climate Extremes and Biogeochemical Cycles 2013, Conference Abstracts. Seefeld, Austria. 2013.(Poster)

### BOOK AND BOOK CHAPTERS

**Wu, Minchao.** Land-atmosphere interactions and regional Earth system dynamics due to natural and anthropogenic vegetation changes. Doctoral Thesis. 2017 Jan Lund: Lund University, Faculty of Science, Department of Physical Geography and Ecosystem Science. 55 p.

Thonicke, K., Fyllas, N., Almut, A., Knorr, W., **Wu, M.** 2014 Jan 1 'Modeling vegetation and ecosystem responses to climate change and fire regime'. Chapter 14 in 'Forest fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world'. Moreno, J. M. (ed.). Toledo: FUME, p. 32-33 2 p. 14

Thonicke, K., Almut, A., Knorr, W., **Wu, M.**, Fyllas, N. 2014 Jan 1 'Threats of projected changes in fire regime for newly affected areas'. Chapter 15 in Europe and Northern Africa in 'Forest fires under

climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world'. Moreno, J. M. (ed.). Toledo: FUME, p. 34-35 2 p. 15

**Wu, Minchao.** Towards “Good Ecological Status”: Analysing the Nitrogen Lock-in in Danish Water Management, from A Transition Theory Perspective. Master Thesis. 2011 June Lund: Lund University, Faculty of Science, Lund University Centre for Sustainability Studies. 58 p.