

**Scientific articles identified in the Google Scholar database on September 3, 2018, applying the following categories in the search (see Table 5.3): "land use" OR "land cover" OR "forest") AND ("biophysical effect" OR "biophysical impact") AND ("temperature" OR "precipitation") -paleo -glacial -quaternary -Devon -Holocene -Pleistocene (in alphabetical order)**

Agovino, M., et al. (2018). "Agriculture, climate change and sustainability: The case of EU-28." Ecological Indicators.

Ahlsweide, B. J. and R. Q. Thomas (2017). "Community Earth System Model Simulations Reveal the Relative Importance of Afforestation and Forest Management to Surface Temperature in Eastern North America." Forests **8**(12): 499.

Alkama, R. and A. Cescatti (2016). "Biophysical climate impacts of recent changes in global forest cover." Science **351**(6273): 600-604.

Anderson-Teixeira, K. J., et al. (2012). "Climate-regulation services of natural and agricultural ecoregions of the Americas." Nature Climate Change **2**(3): 177.

Arnell, N. W., et al. (2002). "The consequences of CO<sub>2</sub> stabilisation for the impacts of climate change." Climatic Change **53**(4): 413-446.

Atkore, V., et al. (2017). "Assessing the recovery of fish assemblages downstream of hydrological barriers in India's Western Ghats." River Research and Applications **33**(7): 1026-1035.

Badreldin, N., et al. (2017). "The application of satellite-based model and bi-stable ecosystem balance concept to monitor desertification in arid lands, a case study of Sinai Peninsula." Modeling Earth Systems and Environment **3**(1): 21.

Bagley, J. E., et al. (2015). "Biophysical impacts of climate-smart agriculture in the Midwest United States." Plant, cell & environment **38**(9): 1913-1930.

Balkovič, J., et al. (2011). "Modelling soil organic carbon changes on arable land under climate change—a case study analysis of the Kočín Farm in Slovakia." Soil and Water Research **6**(1): 30-42.

Balkovič, J., et al. (2018). "Impacts and Uncertainties of + 2° C of Climate Change and Soil Degradation on European Crop Calorie Supply." Earth's Future **6**(3): 373-395.

Baptista, I., et al. (2015). "Soil and water conservation strategies in Cape Verde (Cabo Verde in Portuguese) and their impacts on livelihoods: an overview from the Ribeira Seca Watershed." Land **4**(1): 22-44.

Baptista, I., et al. (2016). "Assessing the Biophysical Impact and Financial Viability of Soil Management Technologies Under Variable Climate in Cabo Verde Drylands: The PESERA-DESMICE Approach." Land Degradation & Development **27**(7): 1679-1690.

Bennett, J. C., et al. (2014). "Performance of an empirical bias-correction of a high-resolution climate dataset." International Journal of Climatology **34**(7): 2189-2204.

Bidoglio, G., et al. (2018). "An environmental assessment of small hydropower in India: the real costs of dams' construction under a life cycle perspective." The International Journal of Life Cycle Assessment: 1-22.

Birdsey, R., et al. (2018). "Climate, economic, and environmental impacts of producing wood for bioenergy." Environmental Research Letters **13**(5): 050201.

Birkmann, J. (2011). "First- and second-order adaptation to natural hazards and extreme events in the context of climate change." Natural Hazards **58**(2): 811-840.

- Blanco, M., et al. (2017). "Climate change impacts on EU agriculture: A regionalized perspective taking into account market-driven adjustments." *Agricultural Systems* **156**: 52-66.
- Brauman, K. A., et al. (2014). "Impacts of land-use change on groundwater supply: ecosystem services assessment in Kona, Hawaii." *Journal of Water Resources Planning and Management* **141**(12): A4014001.
- Burakowski, E. A., et al. (2016). "Evaluating the climate effects of reforestation in New England using a Weather Research and Forecasting (WRF) model multiphysics ensemble." *Journal of Climate* **29**(14): 5141-5156.
- Carlson, P. E., et al. (2018). "Responses of macroinvertebrate communities to small dam removals: Implications for bioassessment and restoration." *Journal of Applied Ecology* **55**(4): 1896-1907.
- Casadesus, J., et al. (2011). "Automated irrigation of apple trees based on measurements of light interception by the canopy." *biosystems engineering* **108**(3): 220-226.
- Cerdà, A., et al. (2017). "An economic, perception and biophysical approach to the use of oat straw as mulch in Mediterranean rainfed agriculture land." *Ecological Engineering* **108**: 162-171.
- Cerdà, A., et al. (2018). "Hydrological and erosional impact and farmer's perception on catch crops and weeds in citrus organic farming in Canyoles river watershed, Eastern Spain." *Agriculture, ecosystems & environment* **258**: 49-58.
- Challinor, A. J., et al. (2010). "Increased crop failure due to climate change: assessing adaptation options using models and socio-economic data for wheat in China." *Environmental Research Letters* **5**(3): 034012.
- Coe, M. T., et al. (2013). "Deforestation and climate feedbacks threaten the ecological integrity of south-southeastern Amazonia." *Phil. Trans. R. Soc. B* **368**(1619): 20120155.
- Collentine, D. and M. Futter (2018). "Realising the potential of natural water retention measures in catchment flood management: trade-offs and matching interests." *Journal of Flood Risk Management* **11**(1): 76-84.
- Confalonieri, R., et al. (2009). "An improved model to simulate rice yield." *Agronomy for Sustainable Development* **29**(3): 463-474.
- Daniels, P. L. (2010). "Climate change, economics and Buddhism—Part I: An integrated environmental analysis framework." *Ecological Economics* **69**(5): 952-961.
- Darama, Y. (2014). "Comment on "Groundwater depletion in the Middle East from GRACE with implications for transboundary water management in the Tigris-Euphrates-Western Iran Region" by Katalyn A. Voss et al." *Water Resources Research* **50**(1): 754-757.
- Devaraju, N., et al. (2018). "Quantifying the relative importance of direct and indirect biophysical effects of deforestation on surface temperature and teleconnections." *Journal of Climate* **31**(10): 3811-3829.
- Donohue, R. J., et al. (2017). "A simple hypothesis of how leaf and canopy-level transpiration and assimilation respond to elevated CO<sub>2</sub> reveals distinct response patterns between disturbed and undisturbed vegetation." *Journal of Geophysical Research: Biogeosciences* **122**(1): 168-184.
- Duveiller, G., et al. (2018). "Biophysics and vegetation cover change: a process-based evaluation framework for confronting land surface models with satellite observations." *Earth System Science Data* **10**(3): 1265-1279.
- Duveiller, G., et al. (2018). "The mark of vegetation change on Earth's surface energy balance." *Nature Communications* **9**(1): 679.
- Ewert, F., et al. (2015). "Crop modelling for integrated assessment of risk to food production from climate change."

Environmental Modelling & Software **72**: 287-303.

Fant, C., et al. (2016). "The impact of climate change on wind and solar resources in southern Africa." Applied Energy **161**: 556-564.

Fantin-Cruz, I., et al. (2015). "Effects of a diversion hydropower facility on the hydrological regime of the Correntes River, a tributary to the Pantanal floodplain, Brazil." Journal of Hydrology **531**: 810-820.

Fatichi, S., et al. (2014). "Ecohydrological effects of management on subalpine grasslands: From local to catchment scale." Water Resources Research **50**(1): 148-164.

Fleskens, L., et al. (2016). "The PESERA-DESMICE Modeling Framework for Spatial Assessment of the Physical Impact and Economic Viability of Land Degradation Mitigation Technologies." Frontiers in Environmental Science **4**: 31.

Forzieri, G., et al. (2018). "Response to Comment on "Satellites reveal contrasting responses of regional climate to the widespread greening of Earth"." Science **360**(6394): eaap9664.

Fu, B., et al. (2014). "Value of ecosystem hydropower service and its impact on the payment for ecosystem services." Science of the Total Environment **472**: 338-346.

Fussler, H.-M. (2005). "The ICLIPS Impacts Tool: A Graphical User Interface to Climate Impact Response Functions for Integrated Assessments of Climate Change." Integrated Assessment **4**(2).

Füssel, H.-M. (2010). "How inequitable is the global distribution of responsibility, capability, and vulnerability to climate change: A comprehensive indicator-based assessment." Global Environmental Change **20**(4): 597-611.

Füssel, H. M. (2010). "Modeling impacts and adaptation in global IAMs." Wiley Interdisciplinary Reviews: Climate Change **1**(2): 288-303.

Gaiser, T., et al. (2008). "Modeling carbon sequestration under zero tillage at the regional scale. I. The effect of soil erosion." Ecological Modelling **218**(1-2): 110-120.

Goodess, C., et al. (2003). "Representing climate and extreme weather events in integrated assessment models: a review of existing methods and options for development." Integrated Assessment **4**(3): 145-171.

Gotangco Castillo, C. K. and K. R. Gurney (2013). "A sensitivity analysis of surface biophysical, carbon, and climate impacts of tropical deforestation rates in CCSM4-CNDV." Journal of Climate **26**(3): 805-821.

Gotangco Castillo, C. K., et al. (2012). "REDD+ and climate: thinking beyond carbon." Carbon Management **3**(5): 457-466.

Gracey, E. O. and F. Verones (2016). "Impacts from hydropower production on biodiversity in an LCA framework—review and recommendations." The International Journal of Life Cycle Assessment **21**(3): 412-428.

Grenestam, E. and M. Nordin (2018). "Estimating the impact of agri-environmental payments on nutrient runoff using a unique combination of data." Land Use Policy **75**: 388-398.

Gries, T., et al. (2018). "Human-induced climate change: the impact of land-use change." Theoretical and Applied Climatology: 1-14.

Habron, G. B., et al. (2004). "A soft systems approach to watershed management: a road salt case study." Environmental management **33**(6): 776-787.

Harlan, T. (2018). "Rural utility to low-carbon industry: Small hydropower and the industrialization of renewable

energy in China." Geoforum **95**: 59-69.

Hemes, K. S., et al. (2018). "A unique combination of aerodynamic and surface properties contribute to surface cooling in restored wetlands of the Sacramento-San Joaquin Delta, California." Journal of Geophysical Research: Biogeosciences.

Henry, L.-A. and J. M. Roberts (2015). "Global biodiversity in cold-water coral reef ecosystems." Marine Animal Forests: the Ecology of Benthic Biodiversity Hotspots: 1-21.

Hood, A., et al. (2006). "Options for Victorian agriculture in a "new" climate: Pilot study linking climate change and land suitability modelling." Environmental Modelling & Software **21**(9): 1280-1289.

Houghton, R. A. (2018). "Interactions Between Land-Use Change and Climate-Carbon Cycle Feedbacks." Current Climate Change Reports **4**(2): 115-127.

Houspanossian, J., et al. (2013). "Radiation budget changes with dry forest clearing in temperate Argentina." Global Change Biology **19**(4): 1211-1222.

Huber, V., et al. (2014). "Climate impact research: beyond patchwork." Earth System Dynamics **5**(2): 399-408.

Kabir, M. J., et al. (2018). "Bio-economic evaluation of cropping systems for saline coastal Bangladesh: III Benefits of adaptation in current and future environments." Agricultural Systems **161**: 28-41.

Kelly, P. M. and W. N. Adger (2000). "Theory and practice in assessing vulnerability to climate change and Facilitating adaptation." Climatic Change **47**(4): 325-352.

Kim, S.-O. and B. Shelby (2006). "Comparing onsite and offsite methods for measuring norms for trail impacts." Environmental management **37**(4): 567-578.

Kirchberg, J., et al. (2016). "Evaluating the impacts of small impoundments on stream salamanders." Aquatic Conservation: Marine and Freshwater Ecosystems **26**(6): 1197-1206.

Kirchner, M., et al. (2016). "Spatial impacts of the CAP post-2013 and climate change scenarios on agricultural intensification and environment in Austria." Ecological Economics **123**: 35-56.

Kondo, M., et al. (2018). "Plant regrowth as a driver of recent enhancement of terrestrial CO<sub>2</sub> uptake." Geophysical Research Letters **45**(10): 4820-4830.

Kueppers, L. M. and M. A. Snyder (2012). "Influence of irrigated agriculture on diurnal surface energy and water fluxes, surface climate, and atmospheric circulation in California." Climate Dynamics **38**(5-6): 1017-1029.

Kumar, D. and S. Katoch (2015). "Small hydropower development in western Himalayas: Strategy for faster implementation." Renewable Energy **77**: 571-578.

Kumar, D. and S. Katoch (2015). "Sustainability suspense of small hydropower projects: A study from western Himalayan region of India." Renewable Energy **76**: 220-233.

Leclère, D., et al. (2014). "Climate change induced transformations of agricultural systems: insights from a global model." Environmental Research Letters **9**(12): 124018.

Lee, J. E., et al. (2011). "Land use change exacerbates tropical South American drought by sea surface temperature variability." Geophysical Research Letters **38**(19).

Lee, X., et al. (2011). "Observed increase in local cooling effect of deforestation at higher latitudes." Nature **479**(7373):

384.

Lewandowski, I., et al. (2006). "The economic value of the phytoremediation function—assessed by the example of cadmium remediation by willow (*Salix* spp)." *Agricultural Systems* **89**(1): 68-89.

Li, Y., et al. (2015). "Local cooling and warming effects of forests based on satellite observations." *Nature Communications* **6**: 6603.

Liu, J., et al. (2016). "The climatic impacts of land use and land cover change compared among countries." *Journal of Geographical Sciences* **26**(7): 889-903.

Liu, Z., et al. (2018). "Biophysical effect of conversion from croplands to grasslands in water-limited temperate regions of China." *Science of the Total Environment*.

Lorenz, R., et al. (2016). "Does Amazonian deforestation cause global effects; can we be sure?" *Journal of Geophysical Research: Atmospheres* **121**(10): 5567-5584.

Luo, Q., et al. (2017). "Economics and risk of adaptation options in the Australian cotton industry." *Agricultural Systems* **150**: 46-53.

Ma, W., et al. (2017). "Multiple satellite-based analysis reveals complex climate effects of temperate forests and related energy budget." *Journal of Geophysical Research: Atmospheres* **122**(7): 3806-3820.

Marin, A. (2010). "Riders under storms: contributions of nomadic herders' observations to analysing climate change in Mongolia." *Global Environmental Change* **20**(1): 162-176.

Mason, L. D., et al. (2013). "Thermal and hygric physiology of Australian burrowing mygalomorph spiders (*Aganippe* spp.)." *Journal of Comparative Physiology B* **183**(1): 71-82.

Mbaka, J. G. and M. Wanjiru Mwaniki (2015). "A global review of the downstream effects of small impoundments on stream habitat conditions and macroinvertebrates." *Environmental reviews* **23**(3): 257-262.

McManamay, R. A. (2014). "Quantifying and generalizing hydrologic responses to dam regulation using a statistical modeling approach." *Journal of Hydrology* **519**: 1278-1296.

McManamay, R. A., et al. (2015). "A multi-scale spatial approach to address environmental effects of small hydropower development." *Environmental management* **55**(1): 217-243.

McVittie, A., et al. (2017). "Ecosystem-based solutions for disaster risk reduction: Lessons from European applications of ecosystem-based adaptation measures." *International Journal of Disaster Risk Reduction*.

Meier, H. M., et al. (2011). "Climate-related changes in marine ecosystems simulated with a 3-dimensional coupled physical-biogeochemical model of the Baltic Sea." *Climate Research* **48**(1): 31-55.

Meroni, M., et al. (2017). "Remote sensing monitoring of land restoration interventions in semi-arid environments with a before–after control-impact statistical design." *International Journal of Applied Earth Observation and Geoinformation* **59**: 42-52.

Mondal, B., et al. (2018). "Augmentation of Water Resources Potential and Cropping Intensification Through Watershed Programs." *Water Environment Research* **90**(2): 101-109.

Montanari, A. (2014). "Water Resources Research in 2013." *Water Resources Research* **50**(4): 2787-2794.

Mosnier, A., et al. (2014). "Global food markets, trade and the cost of climate change adaptation." *Food Security* **6**(1):

29-44.

Murphy, L. N., et al. (2012). "Local and remote climate impacts from expansion of woody biomass for bioenergy feedstock in the southeastern United States." Journal of Climate **25**(21): 7643-7659.

Mykleby, P., et al. (2017). "Quantifying the trade-off between carbon sequestration and albedo in midlatitude and high-latitude North American forests." Geophysical Research Letters **44**(5): 2493-2501.

Müller, C. and R. D. Robertson (2014). "Projecting future crop productivity for global economic modeling." Agricultural Economics **45**(1): 37-50.

Müller, C., et al. (2014). "Hotspots of climate change impacts in sub-Saharan Africa and implications for adaptation and development." Global Change Biology **20**(8): 2505-2517.

Nelson, G. C., et al. (2014). "Climate change effects on agriculture: Economic responses to biophysical shocks." Proceedings of the National Academy of Sciences **111**(9): 3274-3279.

Nelson, G. C., et al. (2014). "Agriculture and climate change in global scenarios: why don't the models agree." Agricultural Economics **45**(1): 85-101.

Nelson, R., et al. (2010). "The vulnerability of Australian rural communities to climate variability and change: Part II—Integrating impacts with adaptive capacity." Environmental Science & Policy **13**(1): 18-27.

Nguyen, T. T., et al. (2016). "Indicator-based assessment of climate-change impacts on coasts: A review of concepts, methodological approaches and vulnerability indices." Ocean & coastal management **123**: 18-43.

Njuki, E., et al. (2018). "A new look at the decomposition of agricultural productivity growth incorporating weather effects." PLoS ONE **13**(2): e0192432.

Noble, B. F. (2004). "Integrating strategic environmental assessment with industry planning: a case study of the Pasquai-Porcupine forest management plan, Saskatchewan, Canada." Environmental management **33**(3): 401-411.

Nur, I. and K. K. Shrestha (2017). "An integrative perspective on community vulnerability to flooding in cities of developing countries." Procedia engineering **198**: 958-967.

O'BRIEN, K., et al. (2007). "Why different interpretations of vulnerability matter in climate change discourses." Climate policy **7**(1): 73-88.

Pangle, L. A., et al. (2014). "Rainfall seasonality and an ecohydrological feedback offset the potential impact of climate warming on evapotranspiration and groundwater recharge." Water Resources Research **50**(2): 1308-1321.

Pavan, A. L. R. and A. R. Ometto (2018). "Ecosystem Services in Life Cycle Assessment: A novel conceptual framework for soil." Science of the Total Environment **643**: 1337-1347.

Pearce, T., et al. (2011). "Advancing adaptation planning for climate change in the Inuvialuit Settlement Region (ISR): a review and critique." Regional Environmental Change **11**(1): 1-17.

Perugini, L., et al. (2017). "Biophysical effects on temperature and precipitation due to land cover change." Environmental Research Letters **12**(5): 053002.

Phillips, S. J., et al. (2006). "Maximum entropy modeling of species geographic distributions." Ecological Modelling **190**(3-4): 231-259.

Pisaniello, J. D. and J. L. Tingey-Holyoak (2017). "Water storage equity and safety assurance policy to mitigate

- potential 'dual-extreme cumulative threats' in agricultural catchments." Journal of Hydrology **545**: 55-71.
- Pitman, A., et al. (2012). "Effects of land cover change on temperature and rainfall extremes in multi-model ensemble simulations." Earth System Dynamics **3**(2): 213-231.
- Pongratz, J., et al. (2018). "Models meet data: Challenges and opportunities in implementing land management in Earth system models." Global Change Biology **24**(4): 1470-1487.
- Rydsaa, J. H., et al. (2015). "Sensitivity of the regional European boreal climate to changes in surface properties resulting from structural vegetation perturbations." Biogeosciences **12**(10): 3071-3087.
- Sanchez-Moreno, J. F., et al. (2014). "Influence of topography on rainfall variability in Santiago Island, Cape Verde." International Journal of Climatology **34**(4): 1081-1097.
- Schaeffer, M., et al. (2006). "CO<sub>2</sub> and albedo climate impacts of extratropical carbon and biomass plantations." Global Biogeochemical Cycles **20**(2).
- Schuenemann, F., et al. (2018). "Evaluating irrigation investments in Malawi: economy-wide impacts under uncertainty and labor constraints." Agricultural Economics **49**(2): 237-250.
- Schultz, N. M., et al. (2017). "Global satellite data highlights the diurnal asymmetry of the surface temperature response to deforestation." Journal of Geophysical Research: Biogeosciences **122**(4): 903-917.
- Schultz, N. M., et al. (2016). "Assessing the use of subgrid land model output to study impacts of land cover change." Journal of Geophysical Research: Atmospheres **121**(11): 6133-6147.
- Scott, D., et al. (2002). "Climate change and modelled biome representation in Canada's national park system: implications for system planning and park mandates." Global Ecology and Biogeography **11**(6): 475-484.
- Siegmund-Schultze, M., et al. (2015). "Paternalism or participatory governance? Efforts and obstacles in implementing the Brazilian water policy in a large watershed." Land Use Policy **48**: 120-130.
- Sietz, D., et al. (2017). "Learning from non-linear ecosystem dynamics is vital for achieving land degradation neutrality." Land Degradation & Development **28**(7): 2308-2314.
- Slootweg, R. (2005). "Biodiversity assessment framework: making biodiversity part of corporate social responsibility." Impact Assessment and Project Appraisal **23**(1): 37-46.
- Smith, N. G., et al. (2017). "Biophysical consequences of photosynthetic temperature acclimation for climate." Journal of Advances in Modeling Earth Systems **9**(1): 536-547.
- Smith, S. J., et al. (2005). "Climate change impacts for the conterminous USA: an integrated assessment." Climatic Change **69**(1): 7-25.
- Sommer, R., et al. (2013). "Impact of climate change on wheat productivity in Central Asia." Agriculture, ecosystems & environment **178**: 78-99.
- Stocking, M. and Y. Lu (2000). "Integrating biophysical and socio-economic aspects of soil conservation on the Loess Plateau, China. Part I. Design and calibration of a model." Land Degradation & Development **11**(2): 125-139.
- Strauss, F., et al. (2012). "Modeling climate change and biophysical impacts of crop production in the Austrian Marchfeld Region." Climatic Change **111**(3-4): 641-664.
- Svendsen, K. M., et al. (2009). "Flow and sediment regimes at tributary junctions on a regulated river: impact on

sediment residence time and benthic macroinvertebrate communities." Hydrological Processes: An International Journal **23**(2): 284-296.

Syktus, J. I. and C. A. McAlpine (2016). "More than carbon sequestration: biophysical climate benefits of restored savanna woodlands." Scientific Reports **6**: 29194.

Tesfaye, M. A., et al. (2015). "Selection of tree species and soil management for simultaneous fuelwood production and soil rehabilitation in the Ethiopian central highlands." Land Degradation & Development **26**(7): 665-679.

Thamo, T., et al. (2017). "Climate change impacts and farm-level adaptation: Economic analysis of a mixed cropping-livestock system." Agricultural Systems **150**: 99-108.

Toth, F. L., et al. (2000). "Climate impact response functions: An introduction." Climatic Change **46**(3): 225-246.

Trussart, S., et al. (2002). "Hydropower projects: a review of most effective mitigation measures." Energy Policy **30**(14): 1251-1259.

Tyndall, J. C., et al. (2013). "Field-level financial assessment of contour prairie strips for enhancement of environmental quality." Environmental management **52**(3): 736-747.

Udayakumara, E. and U. Gunawardena (2018). "Cost-Benefit Analysis of Samanalawewa Hydroelectric Project in Sri Lanka: An Ex Post Analysis." Earth Systems and Environment: 1-12.

Walther, S. C., et al. (2017). "The geographic distribution of small dams in Oregon using ecoregion and landform classification." Physical Geography **38**(3): 286-301.

Wang, C., et al. (2013). "Seasonality of soil CO<sub>2</sub> efflux in a temperate forest: Biophysical effects of snowpack and spring freeze-thaw cycles." Agricultural and Forest Meteorology **177**: 83-92.

Wang, L., et al. (2018). "Response of surface temperature to afforestation in the Kubuqi Desert, Inner Mongolia." Journal of Geophysical Research: Atmospheres **123**(2): 948-964.

Wang, Y.-P., et al. (2015). "Nitrogen and phosphorous limitation reduces the effects of land use change on land carbon uptake or emission." Environmental Research Letters **10**(1): 014001.

Vargas, A. and M. Reyes (2012). "Integral solutions to complex problems: climate change, adaptation policies and payment for ecosystem services schemes." International Journal of Pluralism and Economics Education **3**(2): 173-188.

Warren, R., et al. (2008). "Development and illustrative outputs of the Community Integrated Assessment System (CIAS), a multi-institutional modular integrated assessment approach for modelling climate change." Environmental Modelling & Software **23**(5): 592-610.

Vaze, J. and J. Teng (2011). "Future climate and runoff projections across New South Wales, Australia: results and practical applications." Hydrological Processes **25**(1): 18-35.

Wen, X., et al. (2018). "Future changes in Yuan River ecohydrology: Individual and cumulative impacts of climate change and cascade hydropower development on runoff and aquatic habitat quality." Science of the Total Environment **633**: 1403-1417.

Verrelst, J., et al. (2008). "Angular sensitivity analysis of vegetation indices derived from CHRIS/PROBA data." Remote Sensing of Environment **112**(5): 2341-2353.

Williges, K., et al. (2017). "Towards an assessment of adaptive capacity of the European agricultural sector to droughts." Climate Services **7**: 47-63.

Wiréhn, L. (2018). "Nordic agriculture under climate change: A systematic review of challenges, opportunities and adaptation strategies for crop production." Land Use Policy **77**: 63-74.

Yoo, G., et al. (2011). "Development and application of a methodology for vulnerability assessment of climate change in coastal cities." Ocean & coastal management **54**(7): 524-534.

Zhang, M., et al. (2014). "Response of surface air temperature to small-scale land clearing across latitudes." Environmental Research Letters **9**(3): 034002.

Zhang, Q., et al. (2018). "Vulnerability of communities to climate change: application of the livelihood vulnerability index to an environmentally sensitive region of China." Climate and Development: 1-18.

Zhang, X., et al. (2017). "Sustainable Effects of Small Hydropower Substituting Firewood Program in Majiang County, Guizhou Province, China." Sustainability **9**(6): 988.

Zhang, Y., et al. (2013). "Scale dependent ecosystem service." Ecosystem services in agricultural and urban landscapes: 107-121.

Zhao, K. and R. B. Jackson (2014). "Biophysical forcings of land-use changes from potential forestry activities in North America." Ecological Monographs **84**(2): 329-353.

Zhao, W., et al. (2017). "Comparison of surface energy budgets and feedbacks to microclimate among different land use types in an agro-pastoral ecotone of northern China." Science of the Total Environment **599**: 891-898.